

From: [Walden, James E -DNR](#)
To: [Bob Rosenkranz](#); ["Alido, Ferdinand"](#); [Rich Gnat](#); [United Engineering Tim Anderson](#)
Cc: [Drews, Mark D - DNR](#); [Mylotta, Pamela A - DNR](#)
Subject: Sample Results - Phoenix Heights Neighborhood Area, Waukesha WI
Date: Monday, December 4, 2023 3:10:00 PM
Attachments: [Sample Results Notification - Phoenix Heights Neighborhood Area Waukesha WI - WDNR BRRTS #02-68-098404 and #02-68-000601.msg](#)
[image001.png](#)
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[image003.png](#)
[image004.png](#)
[image005.png](#)
[RE Sample Results Notification - Phoenix Heights Neighborhood Area Waukesha WI - WDNR BRRTS #02-68-098404 and #02-68-000601.msg](#)
[231116_Kanter_1165 White Rock Avenue Plumbing Cleanout Gas Sample Results.pdf](#)

Hi all:

As you are aware SCS Engineers (SCS) has been sampling within the right of way in the vicinity of the Phoenix Heights Neighborhood at the request of the Wisconsin Department of Natural Resources. I am attaching results emails or letters that SCS has sent to the City of Waukesha and the owner of the property at 1165 White Rock Avenue as a courtesy, and for you to consider in your own investigations in this area. As stated in the SCS email, SCS will be preparing a summary report which will be posted on WDNR BRRTS at a later date.

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James Walden

Hydrogeologist, P.G. – Vapor Intrusion Expert

Bureau for Remediation and Redevelopment

Wisconsin Department of Natural Resources

Cell: 608-640-6639

jamese.walden@wisconsin.gov



dnr.wi.gov



From: [Krause, Jacob](#)
To: CLangemak@waukesha-wi.gov
Cc: [Drews, Mark D - DNR](#); [Borski, Jennifer - DNR](#); [Walden, James E -DNR](#); [Martinez, Joseph J - DNR](#); [Langdon, Robert](#)
Subject: Sample Results Notification - Phoenix Heights Neighborhood Area, Waukesha, WI - WDNR BRRTS #02-68-098404 and #02-68-000601
Date: Thursday, November 30, 2023 4:12:25 PM
Attachments: [Figure 1 Sanitary Sewer Gas Sample Locations \(GC ECD\).pdf](#)
[Figure 2 Sanitary Sewer Gas Sample Locations \(Passive\).pdf](#)
[Figure 3 Sanitary Sewer Liquid Sample Locations.pdf](#)
[Figure 4 Soil Gas Sample Location Map.pdf](#)
[Figure 5 Soil Gas Sample Location Map.pdf](#)
[Table 1 Sanitary Sewer Gas Analytical Results Summary_GCECD.pdf](#)
[Table 2 Sanitary Sewer Gas Analytical Results Summary_passive.pdf](#)
[Table 3 Sanitary Sewer Liquid Analytical Results Summary.pdf](#)
[Table 4 Soil Gas Analytical Results Summary.pdf](#)
[Sanitary Sewer Gas GC ECD Cover Letter- SCS Engineers - Waukesha 10-18-202.pdf](#)
[Sanitary Sewer Gas GC ECD data - SCS - Waukesha.xlsx](#)
[Sanitary Sewer Gas Lab report_2310524_d.pdf](#)
[Sanitary Sewer Gas_7275 Beacon Air Samples Analytical Report 11_09_2023_0737.pdf](#)
[Sanitary Sewer Liquid_40269525_frc.pdf](#)
[Sanitary Sewer Liquid_40269799_frc.pdf](#)
[Soil Gas Lab Report_7274 Beacon PSG Report_11_09_2023_0730.pdf](#)

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To Mr. Chris Langemak, Project Engineer, City of Waukesha:

This message serves as notification of laboratory analytical results for sanitary sewer gas, sanitary sewer liquid, and soil gas samples collected within the public right-of-way in Waukesha, Wisconsin. The sampling was completed by SCS Engineers (SCS) at the request of the Wisconsin Department of Natural Resources (WDNR) through the Vapor Intrusion Zone Contract (VIZC). Sanitary sewer gas samples were collected from sanitary manhole structures using two methods: grab gas samples analyzed locally on the same day as collection using a mobile gas spectrometer with an electron capture device (GC/ECD) from the locations shown on **Figure 1**, and passive sorbent tube samplers deployed at a subset of manholes for 7 days (**Figure 2**). Sanitary liquid samples were also collected using bailers from select manholes (**Figure 3**). Soil gas samples were collected by deploying passive sorbent tube samples in shallow soil within the grass terrace areas along E. Main St. (**Figure 4**) and White Rock Ave. (**Figure 5**). The laboratory analytical results have been tabulated for comparison to applicable standards established by WDNR, and are presented in the attached **Tables 1 through 4**. Copies of the laboratory analytical reports are also attached. A brief discussion of the analytical results follows below:

Sanitary Sewer Gas Samples: VOCs were detected in most passive samples. TCE was reported at concentrations in excess of SSGSLs at all locations instrumented with passive samplers, with the exception of samples "09R_SSG_23_20231018" collected from MH 1790. Grab samples "09R_SSG_26_20231011", "09R_SSG_27_20231011", "09R_SSG_28_20231011", "09R_SSG_29_20231011", "09R_SSG_30_20231011" analyzed using the GC/ECD also exceeded the SSGSL for TCE. Concentrations greater than 10% of SSGSLs were reported for additional VOCs and manhole locations, as shown in **Tables 1 and 2**.

Sanitary Sewer Liquid Samples: VOCs were detected in each of the samples submitted for laboratory analysis. The most elevated concentrations of TCE were detected in samples from MH 5632 and MH 1791, located along Perkins Ave.

Soil Gas Samples: Results from soil gas sampling generally indicated sporadic low-level VOCs below Vapor Risk Screening Levels (VRSLs), with the exception of TCE in sample "09R_SG_13_20231027", which exceeded the VRSL for residential and small commercial settings.

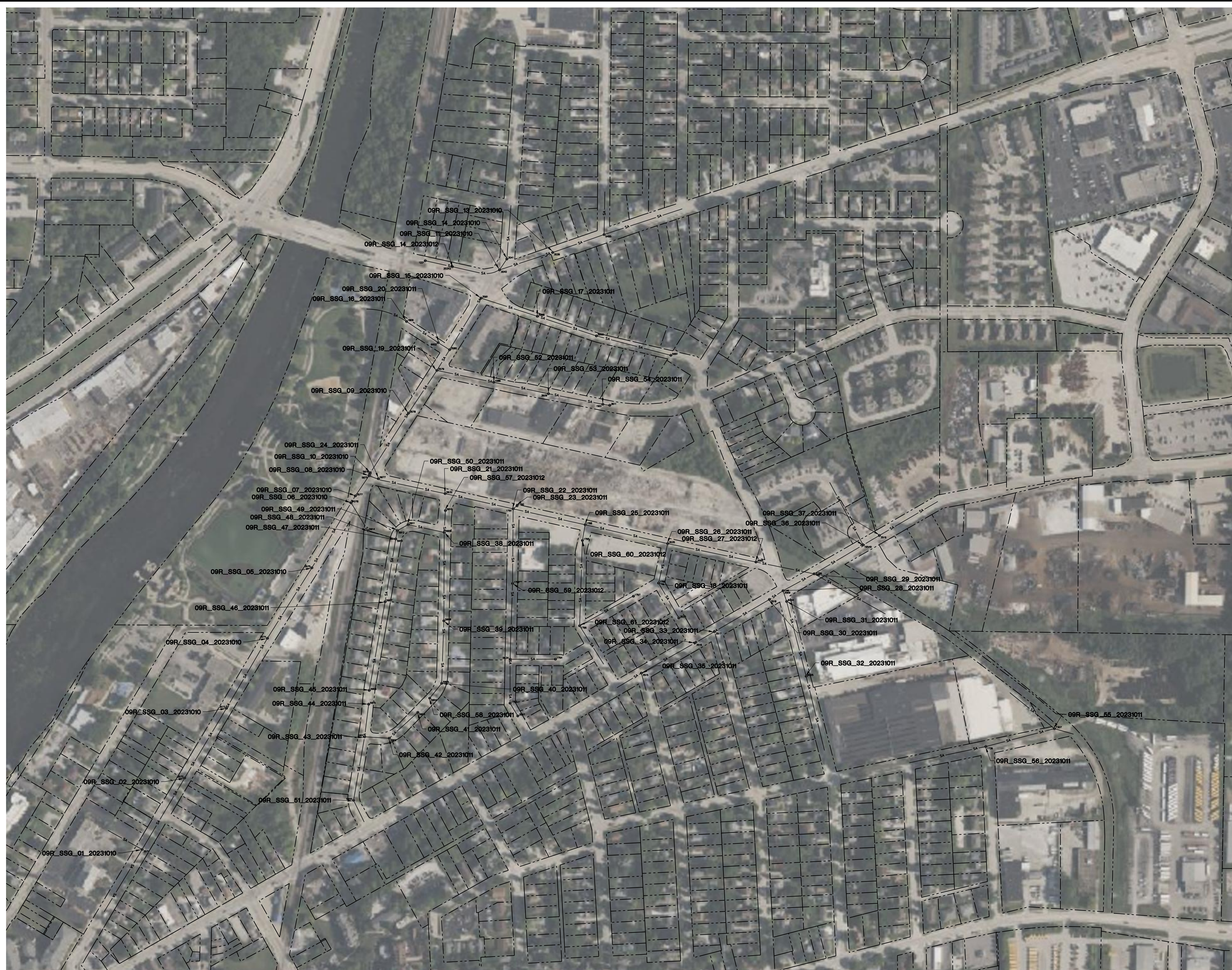
SCS will prepare a summary report which will provide further discussion of the results. Once complete, the report will be listed on the WDNR BRRTS database, which is available to the public.

Please contact Jim Walden (James.Walden@wisconsin.gov or 608-640-6639) at WDNR with any questions regarding the work completed or sample analytical results.




Thank you,

Jacob Krause, PG*
Project Hydrogeologist
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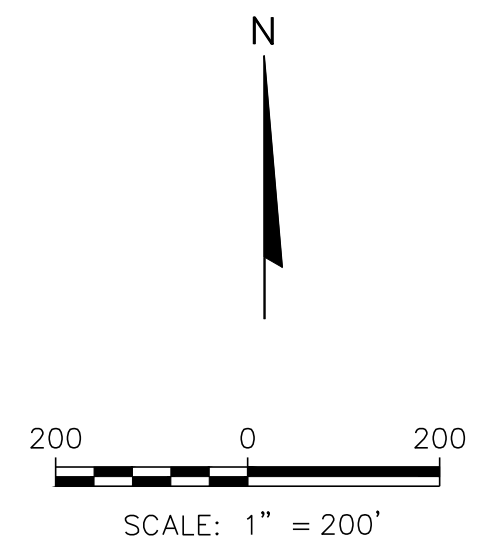
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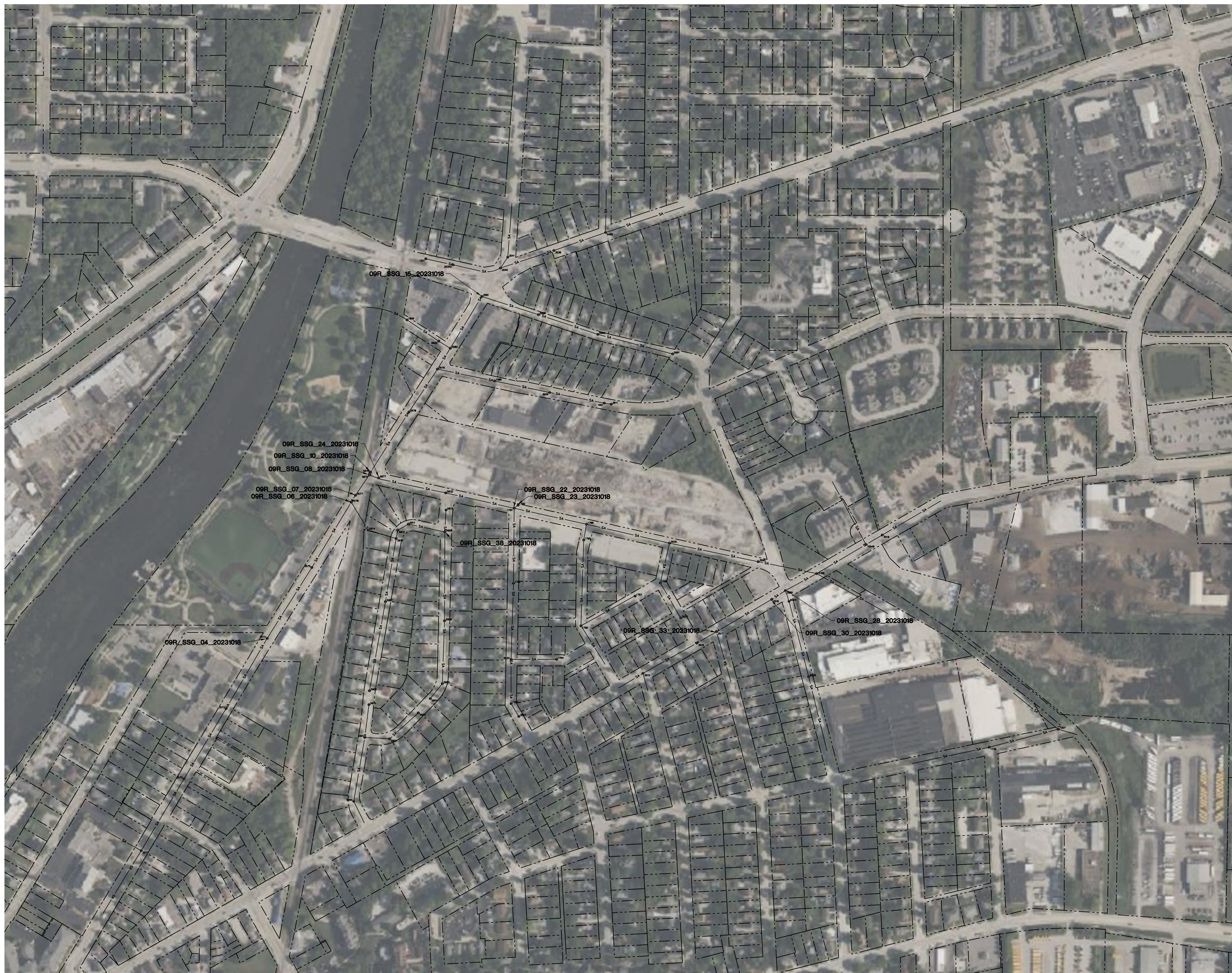


LEGEND

	PROPERTY LINE
	SANITARY SEWER
	SANITARY MANHOLE

- NOTES:
1. UNDATED AERIAL PHOTOGRAPH FROM BING MAPS, DISPLAYED BY AUTOCAD.
 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 THIS MAY NOT BE THE MOST CURRENT, COMPREHENSIVE DATA AVAILABLE.
 3. SANITARY SEWER LOCATIONS BASED ON CITY OF WAUKESHA UTILITIES ONLINE VIEWER.

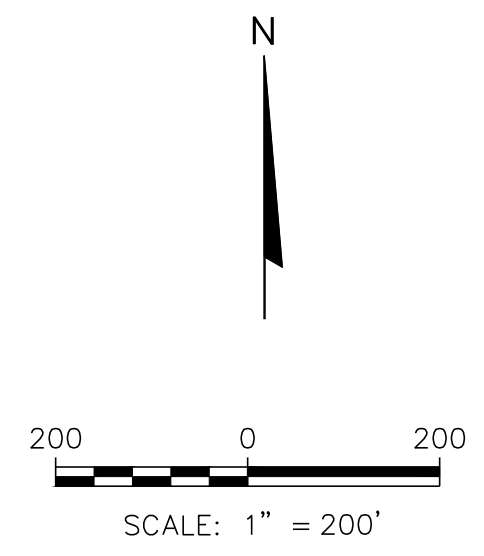


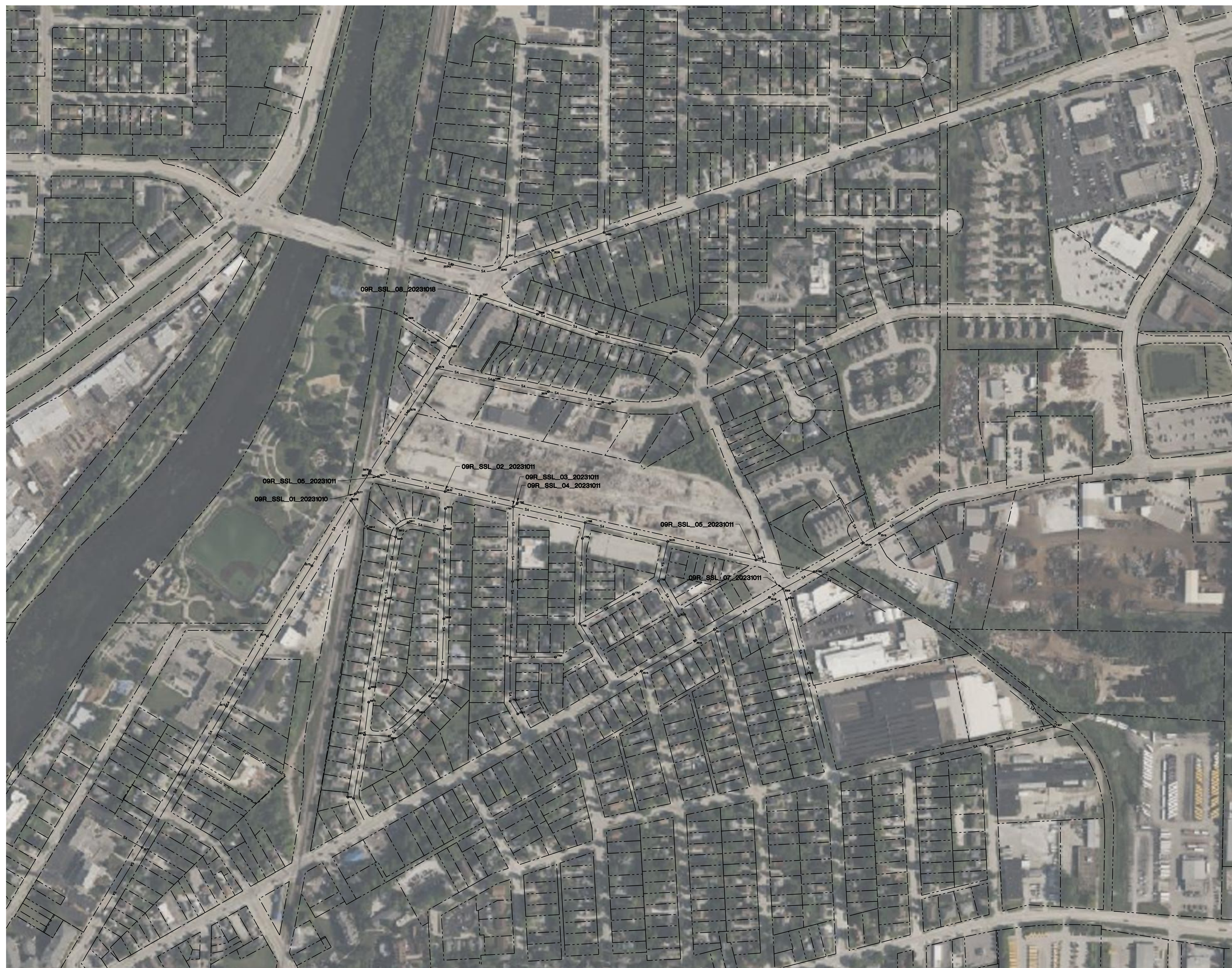


LEGEND

	PROPERTY LINE
	SANITARY SEWER
	SANITARY MANHOLE

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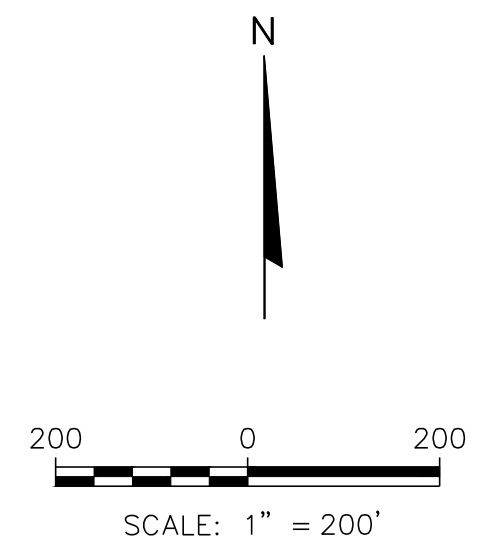




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	PROPERTY LINE
	SANITARY SEWER
	SANITARY MANHOLE

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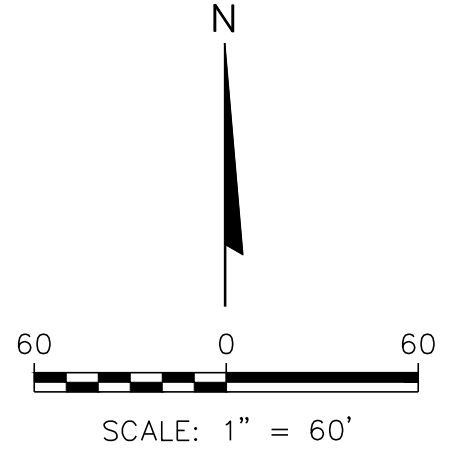



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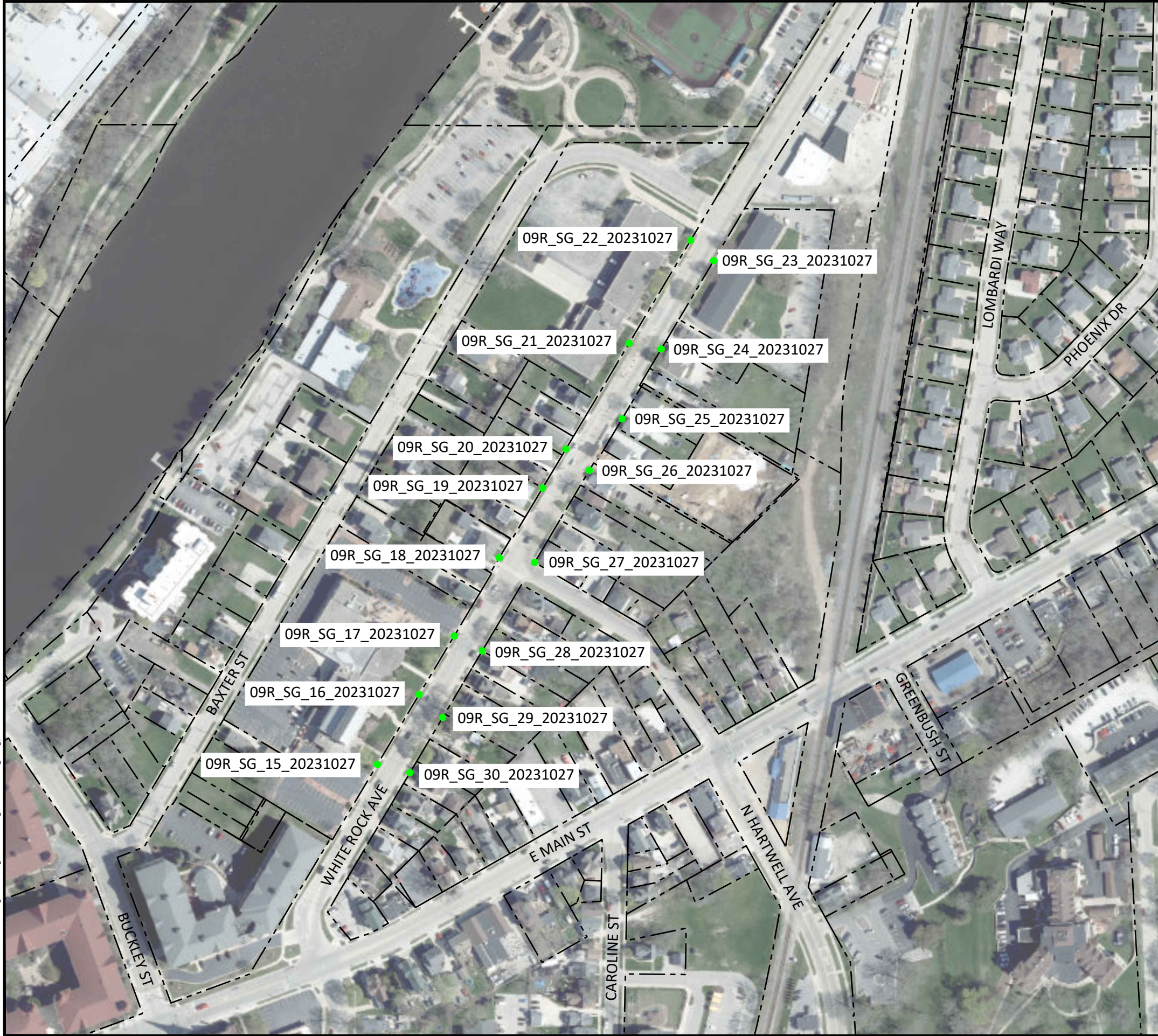
- SOIL GAS SAMPLING LOCATION
- - - APPROXIMATE PARCEL LINES



CLIENT	 WISCONSIN DEPARTMENT OF NATURAL RESOURCES	PROJECT NO: 2522269.05 DRAWN: 11/27/2023 REVISED:	SITE PHOENIX HEIGHTS NEIGHBORHOOD WAUKESHA, WI	ENGINEER GRASS TERRACE HAND DRILLED 1" BORINGS	FIGURE
					4

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

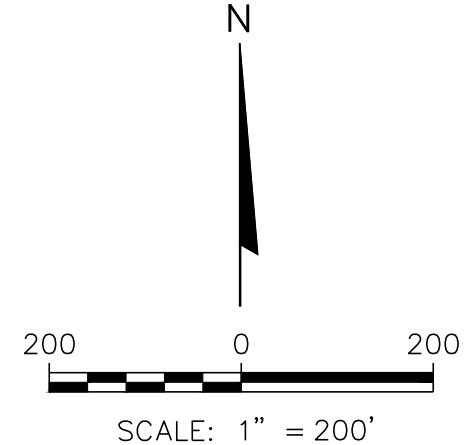
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● SOIL GAS SAMPLING LOCATION

--- APPROXIMATE PARCEL LINES



CLIENT	 WISCONSIN DEPARTMENT OF NATURAL RESOURCES	SITE	PHOENIX HEIGHTS NEIGHBORHOOD WAUKESHA, WI			ENGINEER
			GRASS TERRACE HAND DRILLED 1" BORINGS			
PROJECT NO:	2522269.05	DRAWN BY:	SB			FIGURE 5
DRAWN:	11/27/2023	CHECKED BY:	JJK			
REVISED:		APPROVED BY:	REL (11/30/2023)			

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

Table 1. Sanitary Sewer Gas Analytical Results Summary- Grab GC/ECD Samples
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #2522269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Hartman Lab Sample ID	Sample Location	Sample Date	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Tetrachloroethene (PCE)
09R_SSG_01_20231010	01	MH 3571	10/10/2023	1.0	<1.0	1.1
09R_SSG_02_20231010	02	MH 3572	10/10/2023	1.0	<1.0	<1.0
09R_SSG_03_20231010	03	MH 3573	10/10/2023	1.0	<1.0	<1.0
09R_SSG_04_20231010	04	MH 3574	10/10/2023	1.0	<1.0	<1.0
09R_SSG_05_20231010	05	MH 3575	10/10/2023	1.0	2.8	1.9
09R_SSG_06_20231010	06	MH 4078	10/10/2023	1.0	1.4	1.2
09R_SSG_07_20231010	07	MH 3577	10/10/2023	1.0	<1.0	<1.0
09R_SSG_08_20231010	08	MH 5875	10/10/2023	1.2	3.8	2.2
09R_SSG_09_20231010	09	MH 3578	10/10/2023	<1.0	1.0	2.0
09R_SSG_10_20231010	10	MH 5876	10/10/2023	1.0	5.3	1.7
09R_SSG_11_20231010	11	MH 3040	10/10/2023	<1.0	<1.0	1.1
09R_SSG_12_20231012	12_20231012	MH 20342	10/12/2023	<1.0	3.9	<1.0
09R_SSG_13_20231010	13	MH 3039	10/10/2023	<1.0	<1.0	1.1
09R_SSG_14_20231010	14	MH 3041	10/10/2023	<1.0	<1.0	1.0
09R_SSG_15_20231010	15	MH 3581	10/10/2023	<1.0	<1.0	<1.0
09R_SSG_16_20231011	16	MH 6602	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_17_20231011	17	MH 5989	10/11/2023	<1.0	<1.0	1.1
09R_SSG_18_20231011	18	MH 1798	10/11/2023	7.3	<u>51</u>	<1.0
09R_SSG_19_20231011	19	MH 3579	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_20_20231011	20	MH 3580	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_21_20231011	21	MH 5632	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_22_20231011	22	MH 1791	10/11/2023	4.8	<u>47</u>	<1.0
09R_SSG_23_20231011	23	MH 1790	10/11/2023	1.0	1.2	<1.0
09R_SSG_24_20231011	24	MH 5877	10/11/2023	1.0	1.4	<1.0
09R_SSG_25_20231011	25	MH 1788	10/11/2023	1.0	4.3	<1.0
09R_SSG_26_20231011	26	MH 3035	10/11/2023	7.7	<u>78</u>	<1.0
09R_SSG_27_20231012	27_20231012	MH 3595	10/12/2023	12	<u>86</u>	1.8
09R_SSG_28_20231011	28	MH 3569	10/11/2023	18	<u>87</u>	<1.0
09R_SSG_29_20231011	29	MH 4786	10/11/2023	25	<u>160</u>	1.2
09R_SSG_30_20231011	30	MH 3518	10/11/2023	17	<u>92</u>	<1.0
09R_SSG_31_20231011	31	MH 6004	10/11/2023	1.0	1.5	<1.0
09R_SSG_32_20231011	32	MH 6005	10/11/2023	2.4	<u>26</u>	<1.0
09R_SSG_33_20231011	33	MH 3517	10/11/2023	4.5	<u>21</u>	<1.0
09R_SSG_34_20231011	34	MH 3516	10/11/2023	2.1	4.4	<1.0
09R_SSG_35_20231011	35	MH 3515	10/11/2023	1.0	<1.0	<1.0
09R_SSG_36_20231011	36	MH 19549	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_37_20231011	37	MH 3519	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_38_20231011	38	MH 5909	10/11/2023	1.1	3.7	<1.0
09R_SSG_39_20231011	39	MH 5908	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_40_20231011	40	MH 5905	10/11/2023	<1.0	<u>12</u>	<1.0
09R_SSG_41_20231011	41	MH 5903	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_42_20231011	42	MH 5902	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_43_20231011	43	MH 5901	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_44_20231011	44	MH 5915	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_45_20231011	45	MH 5906	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_46_20231011	46	MH 5907	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_47_20231011	47	MH 5913	10/11/2023	<1.0	4.7	1
09R_SSG_48_20231011	48	MH 5914	10/11/2023	1.9	<u>35</u>	3.3
09R_SSG_49_20231011	49	MH 5912	10/11/2023	1.2	3.2	1.0
09R_SSG_50_20231011	50	MH 5911	10/11/2023	1.2	4.2	1.0
09R_SSG_51_20231011	51	MH 5900	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_52_20231011	52	MH 1086	10/11/2023	<1.0	1.6	3.4
09R_SSG_53_20231011	53	MH 3609	10/11/2023	<1.0	2.2	1.0
09R_SSG_54_20231011	54	MH 1901	10/11/2023	<1.0	1.4	1.0
09R_SSG_55_20231011	55	MH 7307	10/11/2023	1.0	<1.0	<1.0
09R_SSG_56_20231011	56	MH 1739	10/11/2023	<1.0	<1.0	<1.0
09R_SSG_57_20231012	57	MH 5910	10/12/2023	1.8	<u>12</u>	<1.0

**Table 1. Sanitary Sewer Gas Analytical Results Summary- Grab GC/ECD Samples
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood**

(Results are in µg/m³)

Sample ID	Hartman Lab Sample ID	Sample Location	Sample Date	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Tetrachloroethene (PCE)
09R_SSG_58_20231012	58	MH 5904	10/12/2023	<1.0	<1.0	<1.0
09R_SSG_59_20231012	59	MH 1792	10/12/2023	6.5	<u>55</u>	<1.0
09R_SSG_60_20231012	60	MH 1795	10/12/2023	1.2	4.2	<1.0
09R_SSG_61_20231012	61	MH 1796	10/12/2023	2.7	<u>22</u>	<1.0
Sanitary Sewer Gas Screening Level (Residential Buildings)				170,000	70	1,400
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)				730,000	290	5,800

Notes:

- Table provided by Hartman Environmental Geoscience and modified by SCS Engineers.
- Sanitary Sewer Gas Screening Levels (SSGSLs) calculated using U.S. EPA Vapor Intrusion Screening Levels (VISL) Calculator per the August 2023 Wisconsin Department of Natural Resources' WI Vapor Quick Look-Up Table instructions with Hazard Quotient of 1, Target Risk of 10-5, Commercial and Residential Exposure Scenarios, and Attenuation Factor of 0.03.
- Values** meet or exceed Sanitary Sewer Gas Screening Level for the appropriate setting (residential or commercial/industrial).
- Values meet or exceed 10% of the SSGSLs and further sampling is recommended per WDNR Guidance Document RR-649 *Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors*.

Laboratory Notes:

- Samples analyzed by Gas Chromatography with an Electron Capture Detector (GC-ECD).
- Value in *italics* indicates 1,1,1-TCA interference with co-eluting compound.

Created by:	<u>JJK</u>	Date:	<u>11/27/2023</u>
Last Rev by:	<u>JJK</u>	Date:	<u>11/30/2023</u>
Checked by:	<u>REL</u>	Date:	<u>11/30/2023</u>
Proj Mgr QA/QC:	<u>REL</u>	Date:	<u>11/30/2023</u>

Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloromethane	Cyclohexane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1-Dichloroethene (1,1-DCE)	cis-1,2-Dichloroethylene
CAS #	--	--	--	--	71-43-2	56-23-5	108-90-7	67-66-3	74-87-3	110-82-7	106-93-4	95-50-1	541-73-1	106-46-7	123-91-1	75-34-3	107-06-2	75-35-4	156-59-2
09R_SSG_04_20231018	Eurofins	MH 3574	10/18/2023	10/24/2023	<7.9	<2.4	<1.2	<u>21</u>	<14	<2.2	NA	<0.53	<0.59	<u>4</u>	NA	8.7	<2.0	<12	57
09R_SSG_06_20231018	Eurofins	MH 4078	10/18/2023	10/24/2023	<8.0	<2.4	<1.2	<u>18</u>	<15	<2.2	NA	<0.54	<0.60	<u>3</u>	NA	8.4	<2.0	<12	53
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	<u>13.2</u>	<2.05	<1.03	<u>33.3</u>	NA	NA	<2.26	17.1 Al2	<1.17	<1.17	8.09	15.5	<1.57	41.7	107
09R_SSG_07_20231018	Eurofins	MH 3577	10/18/2023	10/24/2023	<8.0	<2.4	<1.2	<u>17</u>	<15	<2.2	NA	<0.54	<0.60	<u>13</u>	NA	7.8	<2.0	<12	51
09R_SSG_08_20231018	Eurofins	MH 5875	10/18/2023	10/24/2023	<8.0	<2.4	<1.2	<u>17</u>	<15	<2.2	NA	<0.54	<0.60	<u>13</u>	NA	10	<2.0	<13	67
09R_SSG_10_20231018	Eurofins	MH 5876	10/18/2023	10/24/2023	<8.0	<2.5	<1.2	<u>10</u>	<15	<2.2	NA	<0.54	<0.60	<u>7.0</u>	NA	3.9	<2.0	<13	22
09R_SSG_15_20231018	Eurofins	MH 3581	10/18/2023	10/24/2023	<8.1	<2.5	<1.2	<u>13</u>	<15	<2.2	NA	<0.54	<0.61	<u>7.2</u>	NA	<2.8	<2.0	<13	6.6
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	<u>4.72</u>	<2.08	<1.05	<u>13.7</u>	NA	NA	<2.29	<u>4.48</u>	<1.19	<1.19	<u>63.5</u>	<1.05	<1.60	<2.71	2.25
09R_SSG_22_20231018	Eurofins	MH 1791	10/18/2023	10/24/2023	<9.0	<2.7	<1.4	<u>6.5</u>	<16	<2.5	NA	<0.60	<0.68	<u>7.8</u>	NA	5.3	<2.2	<14	44
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	<4.67	<2.30	<1.16	<u>8.32</u>	NA	NA	<2.54	3.00	<1.32	<1.32	5.13	2.24	<1.77	<3.00	19.5
09R_SSG_23_20231018	Eurofins	MH 1790	10/18/2023	10/24/2023	<9.0	<2.7	<1.4	<2.6	<16	<2.5	NA	<0.60	<0.68	<0.67	NA	<3.1	<2.2	<14	<2.6
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<4.68	<2.31	<1.17	<2.83	NA	NA	<2.54	<1.32	<1.32	<1.32	<2.42	<1.17	<1.77	<3.00	<1.87
09R_SSG_24_20231018	Eurofins	MH 5877	10/18/2023	10/24/2023	<9.1	<2.8	<1.4	<u>18</u>	<17	<2.5	NA	<0.61	<0.68	<u>19</u>	NA	13	<2.3	<14	96
09R_SSG_28_20231018	Eurofins	MH 3569	10/18/2023	10/24/2023	<9.0	<2.8	<1.4	<u>15</u>	<17	<2.5	NA	<0.61	<0.68	<u>17</u>	NA	16	<2.3	16	85
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	<u>5.71</u>	<2.32	<1.17	<u>5.46</u>	NA	NA	2.56	10.5	<1.33	<1.33	<u>34.0</u>	7.01	<1.78	33.2	55.6
09R_SSG_30_20231018	Eurofins	MH 3518	10/18/2023	10/24/2023	<9.2	<2.8	<1.4	<u>12</u>	<17	<2.5	NA	<0.62	<0.69	<u>16</u>	NA	15	<2.3	21	53
09R_SSG_33_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<9.2	<2.8	<1.4	<u>3.3</u>	<17	<2.5	NA	<0.61	<0.69	<u>3.7</u>	NA	6.0	<2.3	<14	8.5
09R_SSG_38_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<9.2	<2.8	<1.4	<u>6.6</u>	<17	<2.5	NA	<0.62	<0.69	<u>0.78</u>	NA	<3.2	<2.3	<14	5.7
LAB BLANK	Eurofins	--	--	10/24/2023	<7.9	<2.4	<1.2	<2.3	<14	<2.2	NA	<0.53	<0.59	<0.58	NA	<2.7	<2.0	<12	<2.3
Sanitary Sewer Gas Screening Level (Residential Buildings)					120	160	1700	41	3,100	210,000	1.6	7,000	NE	85	190	590	36	7,000	1,400
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					520	680	7300	180	3,000	880,000	6.8	29,000	NE	370	820	2600	160	29,000	5,800

See Revised Table 2 - Updated 12/01/2023

Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	trans-1,2-Dichloroethylene	Ethylbenzene	n-Heptane	n-Hexane [a.k.a. Hexane]	Isopropylbenzene [a.k.a. Cumene]	Methylene Chloride	Methyl Ethyl Ketone (2-Butanone [MEK])	Methyl Isobutyl Ketone (4-Methyl-2-pentanone [MIBK])	2-Methylnaphthalene	Methyl-tert-butyl ether (MTBE)	Naphthalene	Propylbenzene	Styrene	1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene (PCE)
CAS #	--	--	--	--	156-60-5	100-41-4	142-82-5	110-54-3	98-82-8	75-09-2	78-93-3	108-10-1	91-57-6	1634-04-4	91-00-3	103-65-1	100-42-5	79-34-5	630-20-6	127-18-4
09R_SSG_04_20231018	Eurofins	MH 3574	10/18/2023	10/24/2023	<5.4	7.7	28	<12	NA	NA	<5.8	<3.5	NA	<2.7	<0.98	<0.76	48	<0.96	NA	4.4
09R_SSG_06_20231018	Eurofins	MH 4078	10/18/2023	10/24/2023	<5.5	5.5	27	<12	NA	NA	<5.8	<3.5	NA	<2.7	<1.0	<0.77	28	<0.98	NA	4.0
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	15.5	3.79	NA	NA	<2.65	8.55	NA	NA	<2.89	<4.40	<2.75	NA	NA	NA	<2.15	7.86
09R_SSG_07_20231018	Eurofins	MH 3577	10/18/2023	10/24/2023	<5.5	5.3	27	<12	NA	NA	<5.8	<3.5	NA	<2.7	<1.0	<0.77	29	<0.98	NA	3.9
09R_SSG_08_20231018	Eurofins	MH 5875	10/18/2023	10/24/2023	<5.5	5.1	20	<12	NA	NA	<5.9	<3.5	NA	<2.8	<1.0	<0.78	23	<0.98	NA	4.1
09R_SSG_10_20231018	Eurofins	MH 5876	10/18/2023	10/24/2023	<5.5	3.4	15	<12	NA	NA	<5.9	<3.5	NA	<2.8	<1.0	<0.78	15	<0.98	NA	2.0
09R_SSG_15_20231018	Eurofins	MH 3581	10/18/2023	10/24/2023	<5.6	4.4	24	<12	NA	NA	<5.9	<3.6	NA	<2.8	<1.0	<0.78	6.3	<0.99	NA	2.2
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	<2.03	<2.63	NA	NA	<2.69	6.13	NA	NA	<2.94	<4.47	<2.79	NA	NA	NA	<2.18	<2.18
09R_SSG_22_20231018	Eurofins	MH 1791	10/18/2023	10/24/2023	<6.2	1.4	5.4	<13	NA	NA	<6.6	<3.9	NA	<3.1	<1.1	<0.87	4.2	<1.1	NA	3.0
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	2.84	<2.91	NA	NA	<2.98	<2.83	NA	NA	<3.25	<4.95	<3.09	NA	NA	NA	<2.41	<2.41
09R_SSG_23_20231018	Eurofins	MH 1790	10/18/2023	10/24/2023	<6.2	<1.2	<2.4	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.87	<1.1	<1.1	NA	<1.3
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<2.25	<2.92	NA	NA	<2.99	<2.83	NA	NA	<3.26	<4.96	<3.10	NA	NA	NA	<2.42	<2.42
09R_SSG_24_20231018	Eurofins	MH 5877	10/18/2023	10/24/2023	<6.2	5.2	14	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.88	29	<1.1	NA	5.1
09R_SSG_28_20231018	Eurofins	MH 3569	10/18/2023	10/24/2023	<6.2	2.3	2.8	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.87	2.0	<1.1	NA	5.9
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	10.3	<2.94	NA	NA	<3.01	<2.85	NA	NA	<3.28	<4.99	<3.12	NA	NA	NA	<2.43	3.77
09R_SSG_30_20231018	Eurofins	MH 3518	10/18/2023	10/24/2023	<6.3	2.4	2.5	<13	NA	NA	<6.7	<4.0	NA	<3.2	<1.1	<0.88	2.2	<1.1	NA	4.0
09R_SSG_33_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<6.3	<1.2	<2.4	<13	NA	NA	<6.7	<4.0	NA	<3.1	<1.1	<0.88	1.6	<1.1	NA	<1.3
09R_SSG_38_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<6.3	<1.2	<2.4	<13	NA	NA	<6.7	<4.0	NA	<3.2	<1.2	<0.89	<1.1	<1.1	NA	<1.3
LAB BLANK	Eurofins	--	--	10/24/2023	<5.4	<1.0	<2.1	<12	NA	NA	<5.8	<3.5	NA	<2.7	<0.98	<0.76	<0.96	<0.96	NA	<1.1
Sanitary Sewer Gas Screening Level (Residential Buildings)					1,400	370	14,000	24,000	14,000	21,000	170,000	100,000	NE	3,600	28	35,000	35,000	16	130	1,400
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					5,800	1,600	58,000	100,000	58,000	88,000	730,000	440,000	NE	16,000	120	150,000	150,000	71	550	5,800

See Revised Table 2 - Updated 12/01/2023

Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane	Trichloroethene (TCE)	1,1,2-Trichloro-trifluoroethane [a.k.a. 1,1,2-Trichloro-1,2,2-trifluoroethane]	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	Vinyl Chloride	m-Xylene & p-Xylene	o-Xylene
CAS #	--	--	--	--	108-88-3	120-82-1	71-55-6	79-00-5	79-01-6	76-13-1	95-63-6	108-67-9	87-61-6	96-18-4	75-01-4	179601-23-1	95-47-6
09R_SSG_04_20231018	Eurofins	MH 3574	10/18/2023	10/24/2023	12	NA	48	<1.7	450	NA	2.7	6.2	NA	NA	<14	7.8	3.8
09R_SSG_06_20231018	Eurofins	MH 4078	10/18/2023	10/24/2023	9.2	NA	46	<1.7	450	NA	2.6	6.1	NA	NA	<15	6.4	3.1
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	22.5	<2.26	20.9	<2.67	941	<0.988	<2.65	<1.65	<2.26	<1.17	6.93	5.43	3.35
09R_SSG_07_20231018	Eurofins	MH 3577	10/18/2023	10/24/2023	9.6	NA	44	<1.7	420	NA	2.6	8.0	NA	NA	<15	6.4	3.2
09R_SSG_08_20231018	Eurofins	MH 5875	10/18/2023	10/24/2023	10	NA	54	<1.7	520	NA	2.7	10	NA	NA	<15	5.3	2.7
09R_SSG_10_20231018	Eurofins	MH 5876	10/18/2023	10/24/2023	4.8	NA	20	<1.7	210	NA	1.5	4.4	NA	NA	<15	4.2	2.2
09R_SSG_15_20231018	Eurofins	MH 3581	10/18/2023	10/24/2023	4.3	NA	7.0	<1.7	70	NA	1.9	<0.71	NA	NA	<15	6.3	3.1
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	<5.59	<2.29	<0.851	<2.71	19.5	<1.00	<2.69	<2.69	<2.29	<1.19	<1.10	5.03	2.91
09R_SSG_22_20231018	Eurofins	MH 1791	10/18/2023	10/24/2023	4.8	NA	18	<1.9	200	NA	<0.70	1.3	NA	NA	<16	1.3	<1.1
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	<6.18	<2.54	3.69	<3.00	86.0	<1.11	<2.98	<2.98	<2.54	<1.32	<1.22	<2.81	<2.81
09R_SSG_23_20231018	Eurofins	MH 1790	10/18/2023	10/24/2023	<1.6	NA	<3.3	<1.9	<1.9	NA	<0.71	<0.78	NA	NA	<16	<1.2	<1.1
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<6.19	<2.54	<0.944	<3.00	<3.00	<1.11	<2.99	<2.99	<2.54	<1.32	<1.22	<2.82	<2.82
09R_SSG_24_20231018	Eurofins	MH 5877	10/18/2023	10/24/2023	12	NA	75	<1.9	740	NA	3.2	12	NA	NA	<17	4.7	2.3
09R_SSG_28_20231018	Eurofins	MH 3569	10/18/2023	10/24/2023	6.9	NA	250	<1.9	1,600	NA	2.7	3.7	NA	NA	<17	1.8	<1.1
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	<6.24	<2.56	20.9	<3.03	811	<1.12	<3.01	<3.01	<2.56	<1.33	5.11	<2.84	<2.84
09R_SSG_30_20231018	Eurofins	MH 3518	10/18/2023	10/24/2023	4.4	NA	240	<1.9	1,300	NA	1.5	1.9	NA	NA	<17	4.5	1.4
09R_SSG_33_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<1.6	NA	93	<1.9	900	NA	<0.72	<0.80	NA	NA	<17	<1.2	<1.1
09R_SSG_38_20231018	Eurofins	MH 3517	10/18/2023	10/24/2023	<1.6	NA	7.4	<1.9	70	NA	<0.72	<0.80	NA	NA	<17	<1.2	<1.1
LAB BLANK	Eurofins	--	--	10/24/2023	<1.4	NA	<2.9	<1.9	<1.7	NA	<0.62	<0.69	NA	NA	<14	<1.0	<0.96
Sanitary Sewer Gas Screening Level (Residential Buildings)					170,000	70	170,000	7.0	70	170,000	2,100	2,100	NE	10	56	NE	3,500
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					730,000	290	730,000	29	290	730,000	8,800	8,800	NE	44	930	NE	15,000

Abbreviations:
 µg/m³ = micrograms per cubic meter of air
 Eurofins = Eurofins Air Toxics
 CAS # = Chemical Abstracts Service Number
 Beacon = Beacon Environmental
 NA = Not Analyze
 NE = Not Exceeded Vapor Risk Screening Level
 -- = Not Applicable

- Notes:
1. Samples were collected using passive sorbent samplers and analyzed using the USEPA TO-17 analytical method.
 2. Sanitary Sewer Gas Screening Levels (SSGSLs) calculated using U.S. EPA Vapor Intrusion Screening Levels (VISL) Calculator per the August 2023 Wisconsin Department of Natural Resources' WI Vapor Quick Look-Up Table instructions with Hazard Quotient of 1, Target Risk of 10⁻⁵, Commercial and Residential Exposure Scenarios, and Attenuation Factor of 0.1.
 3. **Underlined** values meet or exceed SSGSLs for the appropriate setting (residential or commercial/industrial).
 4. Underlined values meet or exceed 10% of the SSGSLs and further sampling is recommended per WDNR Guidance Document RR-649 *Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors*.

Laboratory Notes/Qualifiers:
 AI2 = Quantifying Internal Standard recovery below laboratory and method acceptance limits, result value biased high.
 I3 = Internal Standard recovery was below laboratory and method acceptance limits, associated result with detections associated with this internal standard are biased high.

Created by: LMH Date: 11/28/2023
 Last Rev by: LMH Date: 11/29/2023
 Checked by: REO Date: 11/30/2023
 Proj Mgr QA/QC: REL Date: 11/30/2023

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See Revised Table 2 - Updated 12/01/2023

Table 3. Sanitary Sewer Liquid Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
(Results are in µg/L)

Sample ID	Sample Location	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs
09R_SSL_01_20231010	MH 3577	10/10/2023	--	<0.30	<0.33	4.4	<1.0	<0.81	<1.1	<1.9	Chloroform <u>2.7</u> J Chloromethane 2.8 J cis-1,2-Dichloroethene 1.9 1,1,1-Trichloroethane 4.7 Trichloroethene <u>6.2</u>
09R_SSL_02_20231011	MH 5632	10/11/2023	--	<0.30	<0.33	0.60 J	<1.0	<0.81	<1.1	<1.9	Chloroform <u>4.7</u> J Chloromethane 2.8 J 1,4-Dichlorobenzene 1.4 1,1-Dichloroethane 0.86 J cis-1,2-Dichloroethene 6.2 1,1,1-Trichloroethane 6.3 Trichloroethene <u>19.9</u> Vinyl Chloride <u>1.1</u>
09R_SSL_03_20231011	MH 1791	10/11/2023	--	<0.30	<0.33	0.39 J	<1.0	<0.81	<1.1	<1.9	Chloroform <u>0.87</u> J 1,4-Dichlorobenzene 1.2 1,1-Dichloroethane 1.1 cis-1,2-Dichloroethene 5.4 1,1,1-Trichloroethane 6.7 Trichloroethene <u>22.3</u> Vinyl Chloride <u>1.1</u>
09R_SSL_04_20231011	MH 1790	10/11/2023	--	<0.30	<0.33	<0.29	<1.0	<0.81	<1.1	<1.9	Trichloroethene <u>0.76</u> J

Table 3. Sanitary Sewer Liquid Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
(Results are in µg/L)

Sample ID	Sample Location	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs
09R_SSL_05_20231011	MH 5877	10/11/2023	--	<0.30	<0.33	<0.29	<1.0	<0.81	<1.1	<1.9	Chloroform <u>1.1</u> J 1,4-Dichlorobenzene 1.4 cis-1,2-Dichloroethene 2.4 1,1,1-Trichloroethane 5.1 Trichloroethene 8.8 Vinyl Chloride 0.29 J
09R_SSL_06_20231011	MH 3595	10/11/2023	--	<0.30	0.69 J	0.52 J	<1.0	<0.81	<1.1	<1.9	Chloroform 0.56 J 1,4-Dichlorobenzene 1.2 cis-1,2-Dichloroethene 5.0 1,1,1-Trichloroethane 4.7 Trichloroethene 7.8 Vinyl Chloride 1.2
09R_SSL_07_20231011	MH 3569	10/11/2023	--	<0.30	<0.33	<0.29	<1.0	<0.81	<1.1	<1.9	Chloroform <u>1.8</u> J 1,4-Dichlorobenzene 1.9 Styrene 0.43 J 1,1,1-Trichloroethane 4.4 Trichloroethene <u>2.5</u>
09R_SSL_08_20231018	MH 3581	10/18/2023	--	<0.30	<0.33	<0.29	<1.0	<0.81	<1.1	<1.9	Chloroform <u>1.7</u> J

Table 3. Sanitary Sewer Liquid Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/L)

Sample ID	Sample Location	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	Other VOCs
NR 140 Enforcement Standards (ESs)				5	700	800	2,000	480	60	100	Chloroform 6 Chloromethane 30 cis-1,2-Dichloroethene 70 1,4-Dichlorobenzene 75 1,1-Dichloroethane 850 Styrene 100 1,1,1-Trichloroethane 200 Trichloroethene 5 Vinyl Chloride 0.2
NR 140 Preventive Action Limits (PALs)				0.5	140	160	400	96	12	10	Chloroform 0.6 Chloromethane 3 cis-1,2-Dichloroethene 7 1,4-Dichlorobenzene 15 1,1-Dichloroethane 85 Styrene 10 1,1,1-Trichloroethane 40 Trichloroethene 0.5 Vinyl Chloride 0.02

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)
 TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

VOCs = Volatile Organic Compounds
 MTBE = Methyl tert-butyl ether

-- = Not Applicable

Notes:

NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from July 2023.

NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from July 2023.

Bold+underlined values meet or exceed NR 140 ESs.

Italic+underlined values meet or exceed NR 140 PALs.

Laboratory Notes/Qualifiers:

J = Estimated concentration at or above the Limit of Detection LOD and below the Limit of Quantitation (LOQ).

Created by: LMH Date: 10/30/2023
 Last revision by: LMH Date: 11/30/2023
 Checked by: REL Date: 11/30/2023
 Proj Mgr QA/QC: REL Date: 11/30/2023

I:\25222269.00\25222269.05 Phoenix Heights\Data and Calculations\Tables\[Sanitary Sewer Liquid Analytical Results Summary.xlsx]GW VOCs



October 18, 2023

Jacob Krause, PG
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

SUBJECT: Sewer Air Investigation – Waukesha, WI

Summary of Sampling Program

Hartman Environmental Geoscience (HEG) analyzed air from sewers and other sources on October 10th through 12th, 2023 at the above referenced address. Discrete vapor samples were collected in glass, gas-tight syringes by SCS personnel and analyzed on-site for 111 trichloroethane (TCA), trichloroethylene (TCE) and tetrachloroethylene (PCE) with a gas chromatograph equipped with an electron capture detector (ECD) following EPA method TO-14. A total of sixty-five (65) samples were collected and analyzed. Reporting level was 1.0 ug/m³ for each of the three compounds. The data are summarized in the attached Excel file.

Instrument Calibration

The instrument was calibrated at four calibration levels on the first day of the sampling program using a certified stock vapor standard. A single point continuing calibration check was performed on each day of the program prior to the analysis of samples and at the conclusion of analyzing samples. The reported values from the calibration check were within 35% of the actual value for all compounds which was within acceptable limits.

Hartman Environmental Geoscience appreciates the opportunity to work with SCS Engineers on this project.

Sincerely,

A handwritten signature in blue ink that reads "Blayne Hartman".

Blayne Hartman, Ph.D.

11/1/2023
Mr. Jacob Krause
SCS Engineers
2830 Dairy Drive

Madison WI 53718

Project Name: WDUR VIZ-C Phoenix Hgts.
Project #: 25222269.05
Workorder #: 2310524

Dear Mr. Jacob Krause

The following report includes the data for the above referenced project for sample(s) received on 10/19/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. WMS are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager

WORK ORDER #: 2310524

Work Order Summary

CLIENT: Mr. Jacob Krause
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

BILL TO: Mr. Jacob Krause
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

PHONE: 608-224-2830

P.O. #

FAX: 608-224-2839

PROJECT # 25222269.05 WDUR VIZ-C Phoenix

DATE RECEIVED: 10/19/2023

CONTACT: Hgts. Jade White

DATE COMPLETED: 11/01/2023

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	09R_SSG_04_20231018	Passive S.E. WMS
02A	09R_SSG_06_20231018	Passive S.E. WMS
03A	09R_SSG_07_20231018	Passive S.E. WMS
04A	09R_SSG_08_20231018	Passive S.E. WMS
05A	09R_SSG_10_20231018	Passive S.E. WMS
06A	09R_SSG_15_20231018	Passive S.E. WMS
07A	09R_SSG_22_20231018	Passive S.E. WMS
08A	09R_SSG_23_20231018	Passive S.E. WMS
09A	09R_SSG_24_20231018	Passive S.E. WMS
10A	09R_SSG_28_20231018	Passive S.E. WMS
11A	09R_SSG_30_20231018	Passive S.E. WMS
12A	09R_SSG_33_20231018	Passive S.E. WMS
13A	09R_SSG_38_20231018	Passive S.E. WMS
14A	Lab Blank	Passive S.E. WMS
15A	CCV	Passive S.E. WMS
16A	LCS	Passive S.E. WMS
16AA	LCSD	Passive S.E. WMS

CERTIFIED BY:



Technical Director

DATE: 11/01/23

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

LABORATORY NARRATIVE
WMS Passive SE by Mod EPA TO-17
SCS Engineers
Workorder# 2310524

Thirteen WMS-SE samples were received on October 19, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Please note that 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) can degrade into Trichloroethene (TCE) during storage on the charcoal-based sorbent used in the WMS device. Samples containing 1,1,2,2-PCA may yield reduced concentrations of 1,1,2,2-PCA and elevated concentrations of TCE.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

The Chain of Custody was missing method information. EATL proceeded with the analysis as per the

original contract or verbal agreement.

The Chain of Custody (COC) information for samples 09R_SSG_04_2023, 09R_SSG_06_2023, 09R_SSG_07_2023, 09R_SSG_08_2023, 09R_SSG_10_2023, 09R_SSG_15_2023, 09R_SSG_22_2023, 09R_SSG_23_2023, 09R_SSG_24_2023, 09R_SSG_28_2023, 09R_SSG_30_2023, 09R_SSG_33_2023 and 09R_SSG_38_2023 did not match the entries on the sample tags with regard to sample identification. The information on the tags was used to process and report the samples.

Analytical Notes

To calculate ug/m³ concentrations in the Lab Blank, a sampling duration of 11534 minutes was applied.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_04_20231018

Lab ID#: 2310524-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	2.7	0.16	8.7
cis-1,2-Dichloroethene	0.050	2.3	1.2	57
Chloroform	0.050	2.3	0.46	21
1,1,1-Trichloroethane	0.050	2.9	0.83	48
Heptane	0.050	2.1	0.67	28
Trichloroethene	0.050	1.7	14	450
Toluene	0.050	1.4	0.43	12
Tetrachloroethene	0.050	1.1	0.20	4.4
Ethyl Benzene	0.050	1.0	0.38	7.7
m,p-Xylene	0.050	1.0	0.37	7.8
o-Xylene	0.050	0.96	0.20	3.8
Styrene	0.050	0.96	2.5	48
1,3,5-Trimethylbenzene	0.050	0.69	0.38	5.2
1,2,4-Trimethylbenzene	0.050	0.62	0.22	2.7
1,4-Dichlorobenzene	0.050	0.58	1.2	14

Client Sample ID: 09R_SSG_06_20231018

Lab ID#: 2310524-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	2.7	0.15	8.4
cis-1,2-Dichloroethene	0.050	2.3	1.1	53
Chloroform	0.050	2.3	0.39	18
1,1,1-Trichloroethane	0.050	2.9	0.79	46
Heptane	0.050	2.1	0.64	27
Trichloroethene	0.050	1.7	13	450
Toluene	0.050	1.4	0.33	9.2
Tetrachloroethene	0.050	1.1	0.18	4.0
Ethyl Benzene	0.050	1.0	0.26	5.5
m,p-Xylene	0.050	1.1	0.30	6.4
o-Xylene	0.050	0.98	0.16	3.1
Styrene	0.050	0.98	1.4	28
1,3,5-Trimethylbenzene	0.050	0.70	0.50	6.9

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_06_20231018

Lab ID#: 2310524-02A

1,2,4-Trimethylbenzene	0.050	0.63	0.20	2.6
1,4-Dichlorobenzene	0.050	0.59	1.1	13

Client Sample ID: 09R_SSG_07_20231018

Lab ID#: 2310524-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	2.7	0.14	7.8
cis-1,2-Dichloroethene	0.050	2.3	1.1	51
Chloroform	0.050	2.3	0.36	17
1,1,1-Trichloroethane	0.050	2.9	0.76	44
Heptane	0.050	2.1	0.65	27
Trichloroethene	0.050	1.7	12	420
Toluene	0.050	1.4	0.34	9.6
Tetrachloroethene	0.050	1.1	0.17	3.9
Ethyl Benzene	0.050	1.0	0.26	5.3
m,p-Xylene	0.050	1.1	0.30	6.4
o-Xylene	0.050	0.98	0.16	3.2
Styrene	0.050	0.98	1.5	29
1,3,5-Trimethylbenzene	0.050	0.70	0.57	8.0
1,2,4-Trimethylbenzene	0.050	0.63	0.21	2.6
1,4-Dichlorobenzene	0.050	0.59	1.1	13

Client Sample ID: 09R_SSG_08_20231018

Lab ID#: 2310524-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	2.8	0.18	10
cis-1,2-Dichloroethene	0.050	2.3	1.4	67
Chloroform	0.050	2.3	0.36	17
1,1,1-Trichloroethane	0.050	2.9	0.92	54
Heptane	0.050	2.1	0.47	20
Trichloroethene	0.050	1.7	15	520
Toluene	0.050	1.4	0.35	10

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_08_20231018

Lab ID#: 2310524-04A

Tetrachloroethene	0.050	1.1	0.18	4.1
Ethyl Benzene	0.050	1.0	0.24	5.1
m,p-Xylene	0.050	1.1	0.24	5.3
o-Xylene	0.050	0.98	0.14	2.7
Styrene	0.050	0.98	1.2	23

1,3,5-Trimethylbenzene	0.050	0.70	0.74	10
1,2,4-Trimethylbenzene	0.050	0.63	0.21	2.7
1,4-Dichlorobenzene	0.050	0.60	1.1	13

Client Sample ID: 09R_SSG_10_20231018

Lab ID#: 2310524-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	2.8	0.071	3.9
cis-1,2-Dichloroethene	0.050	2.3	0.47	22
Chloroform	0.050	2.3	0.22	10
1,1,1-Trichloroethane	0.050	3.0	0.35	20
Heptane	0.050	2.1	0.36	15

Trichloroethene	0.050	1.7	6.0	210
Toluene	0.050	1.4	0.17	4.8
Tetrachloroethene	0.050	1.1	0.090	2.0
Ethyl Benzene	0.050	1.0	0.16	3.4
m,p-Xylene	0.050	1.1	0.19	4.2

o-Xylene	0.050	0.98	0.11	2.2
Styrene	0.050	0.98	0.75	15
1,3,5-Trimethylbenzene	0.050	0.70	0.32	4.4
1,2,4-Trimethylbenzene	0.050	0.63	0.13	1.6
1,4-Dichlorobenzene	0.050	0.60	0.58	7.0

Client Sample ID: 09R_SSG_15_20231018

Lab ID#: 2310524-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.050	2.3	0.14	6.6

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_15_20231018

Lab ID#: 2310524-06A

Chloroform	0.050	2.3	0.28	13
1,1,1-Trichloroethane	0.050	3.0	0.12	7.0
Heptane	0.050	2.1	0.56	24
Trichloroethene	0.050	1.7	2.0	70
Toluene	0.050	1.4	0.15	4.3
Tetrachloroethene	0.050	1.1	0.097	2.2
Ethyl Benzene	0.050	1.1	0.20	4.4
m,p-Xylene	0.050	1.1	0.29	6.3
o-Xylene	0.050	0.99	0.16	3.1
Styrene	0.050	0.99	0.32	6.3
1,2,4-Trimethylbenzene	0.050	0.64	0.15	1.9
1,4-Dichlorobenzene	0.050	0.60	0.60	7.2

Client Sample ID: 09R_SSG_22_20231018

Lab ID#: 2310524-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	3.1	0.086	5.3
cis-1,2-Dichloroethene	0.050	2.6	0.84	44
Chloroform	0.050	2.6	0.12	6.5
1,1,1-Trichloroethane	0.050	3.3	0.27	18
Heptane	0.050	2.4	0.11	5.4
Trichloroethene	0.050	1.9	5.3	200
Toluene	0.050	1.6	0.15	4.8
Tetrachloroethene	0.050	1.3	0.12	3.0
Ethyl Benzene	0.050	1.2	0.060	1.4
m,p-Xylene	0.050	1.2	0.052	1.3
Styrene	0.050	1.1	0.19	4.2
1,3,5-Trimethylbenzene	0.050	0.78	0.082	1.3
1,4-Dichlorobenzene	0.050	0.67	0.58	7.8

Client Sample ID: 09R_SSG_23_20231018

Lab ID#: 2310524-08A

No Detections Were Found.

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_24_20231018

Lab ID#: 2310524-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	3.1	0.21	13
cis-1,2-Dichloroethene	0.050	2.6	1.8	96
Chloroform	0.050	2.6	0.34	18
1,1,1-Trichloroethane	0.050	3.3	1.1	75
Heptane	0.050	2.4	0.29	14
Trichloroethene	0.050	1.9	19	740
Toluene	0.050	1.6	0.38	12
Tetrachloroethene	0.050	1.3	0.20	5.1
Ethyl Benzene	0.050	1.2	0.22	5.2
m,p-Xylene	0.050	1.2	0.19	4.7
o-Xylene	0.050	1.1	0.10	2.3
Styrene	0.050	1.1	1.3	29
1,3,5-Trimethylbenzene	0.050	0.79	0.76	12
1,2,4-Trimethylbenzene	0.050	0.71	0.22	3.2
1,4-Dichlorobenzene	0.050	0.67	1.4	19

Client Sample ID: 09R_SSG_28_20231018

Lab ID#: 2310524-10A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethene	0.20	14	0.22	16
1,1-Dichloroethane	0.050	3.1	0.26	16
cis-1,2-Dichloroethene	0.050	2.6	1.6	85
Chloroform	0.050	2.6	0.28	15
1,1,1-Trichloroethane	0.050	3.3	3.7	250
Heptane	0.050	2.4	0.060	2.8
Trichloroethene	0.050	1.9	42	1600
Toluene	0.050	1.6	0.21	6.9
Tetrachloroethene	0.050	1.3	0.23	5.9
Ethyl Benzene	0.050	1.2	0.096	2.3
m,p-Xylene	0.050	1.2	0.073	1.8
Styrene	0.050	1.1	0.092	2.0
1,3,5-Trimethylbenzene	0.050	0.79	0.24	3.7

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 09R_SSG_28_20231018

Lab ID#: 2310524-10A

1,2,4-Trimethylbenzene	0.050	0.71	0.19	2.7
1,4-Dichlorobenzene	0.050	0.67	1.3	17

Client Sample ID: 09R_SSG_30_20231018

Lab ID#: 2310524-11A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethene	0.20	14	0.29	21
1,1-Dichloroethane	0.050	3.2	0.24	15
cis-1,2-Dichloroethene	0.050	2.6	0.99	53
Chloroform	0.050	2.6	0.22	12
1,1,1-Trichloroethane	0.050	3.4	3.5	240
Heptane	0.050	2.4	0.052	2.5
Trichloroethene	0.050	1.9	33	1300
Toluene	0.050	1.6	0.13	4.4
Tetrachloroethene	0.050	1.3	0.15	4.0
Ethyl Benzene	0.050	1.2	0.10	2.4
m,p-Xylene	0.050	1.2	0.18	4.5
o-Xylene	0.050	1.1	0.062	1.4
Styrene	0.050	1.1	0.096	2.2
1,3,5-Trimethylbenzene	0.050	0.80	0.12	1.9
1,2,4-Trimethylbenzene	0.050	0.72	0.10	1.5
1,4-Dichlorobenzene	0.050	0.68	1.2	16

Client Sample ID: 09R_SSG_33_20231018

Lab ID#: 2310524-12A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1-Dichloroethane	0.050	3.1	0.095	6.0
cis-1,2-Dichloroethene	0.050	2.6	0.16	8.5
Chloroform	0.050	2.6	0.062	3.3
1,1,1-Trichloroethane	0.050	3.4	1.4	93
Trichloroethene	0.050	1.9	10	390
Styrene	0.050	1.1	0.073	1.6

**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: 09R_SSG_33_20231018

Lab ID#: 2310524-12A

1,4-Dichlorobenzene	0.050	0.68	0.27	3.7
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Client Sample ID: 09R_SSG_38_20231018

Lab ID#: 2310524-13A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.050	2.7	0.11	5.7
Chloroform	0.050	2.7	0.12	6.6
1,1,1-Trichloroethane	0.050	3.4	0.11	7.4
Trichloroethene	0.050	1.9	1.8	70
1,4-Dichlorobenzene	0.050	0.68	0.057	0.78



Air Toxics

Client Sample ID: 09R_SSG_04_20231018

Lab ID#: 2310524-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102409sim	Date of Collection:	10/18/23 10:34:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 12:51 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	14	Not Detected	Not Detected
Vinyl Chloride	0.20	14	Not Detected	Not Detected
1,1-Dichloroethene	0.20	12	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.7	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.4	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.7	0.16	8.7
2-Butanone (Methyl Ethyl Ketone)	0.10	5.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	1.2	57
Chloroform	0.050	2.3	0.46	21
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	2.9	0.83	48
Carbon Tetrachloride	0.050	2.4	Not Detected	Not Detected
Benzene	0.20	7.9	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.67	28
Trichloroethene	0.050	1.7	14	450
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	0.43	12
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.20	4.4
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	0.38	7.7
m,p-Xylene	0.050	1.0	0.37	7.8
o-Xylene	0.050	0.96	0.20	3.8
Styrene	0.050	0.96	2.5	48
1,1,2,2-Tetrachloroethane	0.050	0.96	Not Detected	Not Detected
Propylbenzene	0.050	0.76	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.69	0.38	5.2
1,2,4-Trimethylbenzene	0.050	0.62	0.22	2.7
1,3-Dichlorobenzene	0.050	0.59	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.58	1.2	14
1,2-Dichlorobenzene	0.050	0.53	Not Detected	Not Detected
Naphthalene	0.050	0.98	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11534 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130



Air Toxics

Client Sample ID: 09R_SSG_04_20231018

Lab ID#: 2310524-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102409sim	Date of Collection: 10/18/23 10:34:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 12:51 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_06_20231018

Lab ID#: 2310524-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102410sim	Date of Collection:	10/18/23 10:24:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 01:19 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	15	Not Detected	Not Detected
Vinyl Chloride	0.20	15	Not Detected	Not Detected
1,1-Dichloroethene	0.20	12	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.7	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.5	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.7	0.15	8.4
2-Butanone (Methyl Ethyl Ketone)	0.10	5.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	1.1	53
Chloroform	0.050	2.3	0.39	18
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	2.9	0.79	46
Carbon Tetrachloride	0.050	2.4	Not Detected	Not Detected
Benzene	0.20	8.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.64	27
Trichloroethene	0.050	1.7	13	450
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	0.33	9.2
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.18	4.0
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	0.26	5.5
m,p-Xylene	0.050	1.1	0.30	6.4
o-Xylene	0.050	0.98	0.16	3.1
Styrene	0.050	0.98	1.4	28
1,1,2,2-Tetrachloroethane	0.050	0.98	Not Detected	Not Detected
Propylbenzene	0.050	0.77	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.70	0.50	6.9
1,2,4-Trimethylbenzene	0.050	0.63	0.20	2.6
1,3-Dichlorobenzene	0.050	0.60	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.59	1.1	13
1,2-Dichlorobenzene	0.050	0.54	Not Detected	Not Detected
Naphthalene	0.050	1.0	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11392 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	80	70-130



Air Toxics

Client Sample ID: 09R_SSG_06_20231018

Lab ID#: 2310524-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102410sim	Date of Collection: 10/18/23 10:24:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 01:19 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_07_20231018

Lab ID#: 2310524-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102411sim	Date of Collection:	10/18/23 10:30:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 01:47 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	15	Not Detected	Not Detected
Vinyl Chloride	0.20	15	Not Detected	Not Detected
1,1-Dichloroethene	0.20	12	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.7	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.5	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.7	0.14	7.8
2-Butanone (Methyl Ethyl Ketone)	0.10	5.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	1.1	51
Chloroform	0.050	2.3	0.36	17
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	2.9	0.76	44
Carbon Tetrachloride	0.050	2.4	Not Detected	Not Detected
Benzene	0.20	8.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.65	27
Trichloroethene	0.050	1.7	12	420
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	0.34	9.6
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.17	3.9
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	0.26	5.3
m,p-Xylene	0.050	1.1	0.30	6.4
o-Xylene	0.050	0.98	0.16	3.2
Styrene	0.050	0.98	1.5	29
1,1,2,2-Tetrachloroethane	0.050	0.98	Not Detected	Not Detected
Propylbenzene	0.050	0.77	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.70	0.57	8.0
1,2,4-Trimethylbenzene	0.050	0.63	0.21	2.6
1,3-Dichlorobenzene	0.050	0.60	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.59	1.1	13
1,2-Dichlorobenzene	0.050	0.54	Not Detected	Not Detected
Naphthalene	0.050	1.0	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11385 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	83	70-130



Air Toxics

Client Sample ID: 09R_SSG_07_20231018

Lab ID#: 2310524-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102411sim	Date of Collection: 10/18/23 10:30:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 01:47 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_08_20231018

Lab ID#: 2310524-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102412sim	Date of Collection:	10/18/23 9:51:00 AM
Dil. Factor:	1.00	Date of Analysis:	10/24/23 02:15 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	15	Not Detected	Not Detected
Vinyl Chloride	0.20	15	Not Detected	Not Detected
1,1-Dichloroethene	0.20	13	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.8	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.5	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.8	0.18	10
2-Butanone (Methyl Ethyl Ketone)	0.10	5.9	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	1.4	67
Chloroform	0.050	2.3	0.36	17
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	2.9	0.92	54
Carbon Tetrachloride	0.050	2.4	Not Detected	Not Detected
Benzene	0.20	8.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.47	20
Trichloroethene	0.050	1.7	15	520
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	0.35	10
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.18	4.1
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	0.24	5.1
m,p-Xylene	0.050	1.1	0.24	5.3
o-Xylene	0.050	0.98	0.14	2.7
Styrene	0.050	0.98	1.2	23
1,1,2,2-Tetrachloroethane	0.050	0.98	Not Detected	Not Detected
Propylbenzene	0.050	0.78	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.70	0.74	10
1,2,4-Trimethylbenzene	0.050	0.63	0.21	2.7
1,3-Dichlorobenzene	0.050	0.60	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.60	1.1	13
1,2-Dichlorobenzene	0.050	0.54	Not Detected	Not Detected
Naphthalene	0.050	1.0	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11316 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130



Air Toxics

Client Sample ID: 09R_SSG_08_20231018

Lab ID#: 2310524-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102412sim	Date of Collection: 10/18/23 9:51:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/24/23 02:15 PM
		Date of Extraction: 10/24/23

Client Sample ID: 09R_SSG_10_20231018

Lab ID#: 2310524-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102413sim	Date of Collection:	10/18/23 9:54:00 AM
Dil. Factor:	1.00	Date of Analysis:	10/24/23 02:43 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	15	Not Detected	Not Detected
Vinyl Chloride	0.20	15	Not Detected	Not Detected
1,1-Dichloroethene	0.20	13	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.8	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.5	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.8	0.071	3.9
2-Butanone (Methyl Ethyl Ketone)	0.10	5.9	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	0.47	22
Chloroform	0.050	2.3	0.22	10
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.0	0.35	20
Carbon Tetrachloride	0.050	2.5	Not Detected	Not Detected
Benzene	0.20	8.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.36	15
Trichloroethene	0.050	1.7	6.0	210
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	0.17	4.8
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.090	2.0
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	0.16	3.4
m,p-Xylene	0.050	1.1	0.19	4.2
o-Xylene	0.050	0.98	0.11	2.2
Styrene	0.050	0.98	0.75	15
1,1,2,2-Tetrachloroethane	0.050	0.98	Not Detected	Not Detected
Propylbenzene	0.050	0.78	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.70	0.32	4.4
1,2,4-Trimethylbenzene	0.050	0.63	0.13	1.6
1,3-Dichlorobenzene	0.050	0.61	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.60	0.58	7.0
1,2-Dichlorobenzene	0.050	0.54	Not Detected	Not Detected
Naphthalene	0.050	1.0	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11289 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130



Air Toxics

Client Sample ID: 09R_SSG_10_20231018

Lab ID#: 2310524-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102413sim	Date of Collection: 10/18/23 9:54:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/24/23 02:43 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_15_20231018

Lab ID#: 2310524-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102414sim	Date of Collection:	10/18/23 10:02:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 03:11 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	15	Not Detected	Not Detected
Vinyl Chloride	0.20	15	Not Detected	Not Detected
1,1-Dichloroethene	0.20	13	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.8	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.6	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.8	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	5.9	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	0.14	6.6
Chloroform	0.050	2.3	0.28	13
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.0	0.12	7.0
Carbon Tetrachloride	0.050	2.5	Not Detected	Not Detected
Benzene	0.20	8.1	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	0.56	24
Trichloroethene	0.050	1.7	2.0	70
4-Methyl-2-pentanone	0.10	3.6	Not Detected	Not Detected
Toluene	0.050	1.4	0.15	4.3
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	0.097	2.2
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.1	0.20	4.4
m,p-Xylene	0.050	1.1	0.29	6.3
o-Xylene	0.050	0.99	0.16	3.1
Styrene	0.050	0.99	0.32	6.3
1,1,2,2-Tetrachloroethane	0.050	0.99	Not Detected	Not Detected
Propylbenzene	0.050	0.78	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.71	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	0.64	0.15	1.9
1,3-Dichlorobenzene	0.050	0.61	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.60	0.60	7.2
1,2-Dichlorobenzene	0.050	0.54	Not Detected	Not Detected
Naphthalene	0.050	1.0	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11207 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130



Air Toxics

Client Sample ID: 09R_SSG_15_20231018

Lab ID#: 2310524-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102414sim	Date of Collection: 10/18/23 10:02:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 03:11 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_22_20231018

Lab ID#: 2310524-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102415sim	Date of Collection:	10/18/23 10:42:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 03:39 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	16	Not Detected	Not Detected
Vinyl Chloride	0.20	16	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	3.1	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.2	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.1	0.086	5.3
2-Butanone (Methyl Ethyl Ketone)	0.10	6.6	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	0.84	44
Chloroform	0.050	2.6	0.12	6.5
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.3	0.27	18
Carbon Tetrachloride	0.050	2.7	Not Detected	Not Detected
Benzene	0.20	9.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.2	Not Detected	Not Detected
Heptane	0.050	2.4	0.11	5.4
Trichloroethene	0.050	1.9	5.3	200
4-Methyl-2-pentanone	0.10	3.9	Not Detected	Not Detected
Toluene	0.050	1.6	0.15	4.8
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	0.12	3.0
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	0.060	1.4
m,p-Xylene	0.050	1.2	0.052	1.3
o-Xylene	0.050	1.1	Not Detected	Not Detected
Styrene	0.050	1.1	0.19	4.2
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.87	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.78	0.082	1.3
1,2,4-Trimethylbenzene	0.050	0.70	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	0.68	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.67	0.58	7.8
1,2-Dichlorobenzene	0.050	0.60	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10127 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130



Air Toxics

Client Sample ID: 09R_SSG_22_20231018

Lab ID#: 2310524-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102415sim	Date of Collection: 10/18/23 10:42:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 03:39 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_23_20231018

Lab ID#: 2310524-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102416sim	Date of Collection:	10/18/23 10:48:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 04:06 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	16	Not Detected	Not Detected
Vinyl Chloride	0.20	16	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	3.1	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.2	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.1	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	6.6	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	Not Detected	Not Detected
Chloroform	0.050	2.6	Not Detected	Not Detected
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.3	Not Detected	Not Detected
Carbon Tetrachloride	0.050	2.7	Not Detected	Not Detected
Benzene	0.20	9.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.2	Not Detected	Not Detected
Heptane	0.050	2.4	Not Detected	Not Detected
Trichloroethene	0.050	1.9	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	Not Detected	Not Detected
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	Not Detected	Not Detected
m,p-Xylene	0.050	1.2	Not Detected	Not Detected
o-Xylene	0.050	1.1	Not Detected	Not Detected
Styrene	0.050	1.1	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.87	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.78	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	0.71	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	0.68	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.67	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	0.60	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10108 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130



Air Toxics

Client Sample ID: 09R_SSG_23_20231018

Lab ID#: 2310524-08A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102416sim	Date of Collection: 10/18/23 10:48:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 04:06 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_24_20231018

Lab ID#: 2310524-09A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102417sim	Date of Collection:	10/18/23 9:46:00 AM
Dil. Factor:	1.00	Date of Analysis:	10/24/23 04:34 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	17	Not Detected	Not Detected
Vinyl Chloride	0.20	17	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	3.1	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.2	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.1	0.21	13
2-Butanone (Methyl Ethyl Ketone)	0.10	6.6	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	1.8	96
Chloroform	0.050	2.6	0.34	18
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.3	1.1	75
Carbon Tetrachloride	0.050	2.8	Not Detected	Not Detected
Benzene	0.20	9.1	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.3	Not Detected	Not Detected
Heptane	0.050	2.4	0.29	14
Trichloroethene	0.050	1.9	19	740
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	0.38	12
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	0.20	5.1
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	0.22	5.2
m,p-Xylene	0.050	1.2	0.19	4.7
o-Xylene	0.050	1.1	0.10	2.3
Styrene	0.050	1.1	1.3	29
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.88	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.79	0.76	12
1,2,4-Trimethylbenzene	0.050	0.71	0.22	3.2
1,3-Dichlorobenzene	0.050	0.68	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.67	1.4	19
1,2-Dichlorobenzene	0.050	0.61	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10021 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130



Air Toxics

Client Sample ID: 09R_SSG_24_20231018

Lab ID#: 2310524-09A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102417sim	Date of Collection: 10/18/23 9:46:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/24/23 04:34 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_28_20231018

Lab ID#: 2310524-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102418sim	Date of Collection:	10/18/23 11:06:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 05:02 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	17	Not Detected	Not Detected
Vinyl Chloride	0.20	17	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	0.22	16
Methyl tert-butyl ether	0.050	3.1	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.2	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.1	0.26	16
2-Butanone (Methyl Ethyl Ketone)	0.10	6.6	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	1.6	85
Chloroform	0.050	2.6	0.28	15
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.3	3.7	250
Carbon Tetrachloride	0.050	2.8	Not Detected	Not Detected
Benzene	0.20	9.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.3	Not Detected	Not Detected
Heptane	0.050	2.4	0.060	2.8
Trichloroethene	0.050	1.9	42	1600
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	0.21	6.9
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	0.23	5.9
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	0.096	2.3
m,p-Xylene	0.050	1.2	0.073	1.8
o-Xylene	0.050	1.1	Not Detected	Not Detected
Styrene	0.050	1.1	0.092	2.0
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.87	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.79	0.24	3.7
1,2,4-Trimethylbenzene	0.050	0.71	0.19	2.7
1,3-Dichlorobenzene	0.050	0.68	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.67	1.3	17
1,2-Dichlorobenzene	0.050	0.61	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10036 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130



Air Toxics

Client Sample ID: 09R_SSG_28_20231018

Lab ID#: 2310524-10A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102418sim	Date of Collection: 10/18/23 11:06:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 05:02 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_30_20231018

Lab ID#: 2310524-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102419sim	Date of Collection:	10/18/23 9:36:00 AM
Dil. Factor:	1.00	Date of Analysis:	10/24/23 05:30 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	17	Not Detected	Not Detected
Vinyl Chloride	0.20	17	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	0.29	21
Methyl tert-butyl ether	0.050	3.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.3	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.2	0.24	15
2-Butanone (Methyl Ethyl Ketone)	0.10	6.7	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	0.99	53
Chloroform	0.050	2.6	0.22	12
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.4	3.5	240
Carbon Tetrachloride	0.050	2.8	Not Detected	Not Detected
Benzene	0.20	9.2	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.3	Not Detected	Not Detected
Heptane	0.050	2.4	0.052	2.5
Trichloroethene	0.050	1.9	33	1300
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	0.13	4.4
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	0.15	4.0
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	0.10	2.4
m,p-Xylene	0.050	1.2	0.18	4.5
o-Xylene	0.050	1.1	0.062	1.4
Styrene	0.050	1.1	0.096	2.2
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.88	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.80	0.12	1.9
1,2,4-Trimethylbenzene	0.050	0.72	0.10	1.5
1,3-Dichlorobenzene	0.050	0.69	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.68	1.2	16
1,2-Dichlorobenzene	0.050	0.62	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 9911 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130



Air Toxics

Client Sample ID: 09R_SSG_30_20231018

Lab ID#: 2310524-11A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102419sim	Date of Collection: 10/18/23 9:36:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/24/23 05:30 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_33_20231018

Lab ID#: 2310524-12A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102420sim	Date of Collection:	10/18/23 10:58:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 05:57 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	17	Not Detected	Not Detected
Vinyl Chloride	0.20	17	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	3.1	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.3	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.1	0.095	6.0
2-Butanone (Methyl Ethyl Ketone)	0.10	6.7	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.6	0.16	8.5
Chloroform	0.050	2.6	0.062	3.3
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.4	1.4	93
Carbon Tetrachloride	0.050	2.8	Not Detected	Not Detected
Benzene	0.20	9.2	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.3	Not Detected	Not Detected
Heptane	0.050	2.4	Not Detected	Not Detected
Trichloroethene	0.050	1.9	10	390
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	Not Detected	Not Detected
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	Not Detected	Not Detected
m,p-Xylene	0.050	1.2	Not Detected	Not Detected
o-Xylene	0.050	1.1	Not Detected	Not Detected
Styrene	0.050	1.1	0.073	1.6
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.88	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.80	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	0.72	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	0.69	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.68	0.27	3.7
1,2-Dichlorobenzene	0.050	0.61	Not Detected	Not Detected
Naphthalene	0.050	1.1	Not Detected	Not Detected

Temperature = 77.0F , duration time = 9934 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	84	70-130



Air Toxics

Client Sample ID: 09R_SSG_33_20231018

Lab ID#: 2310524-12A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102420sim	Date of Collection: 10/18/23 10:58:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 05:57 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: 09R_SSG_38_20231018

Lab ID#: 2310524-13A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102421sim	Date of Collection:	10/18/23 11:19:00 A
Dil. Factor:	1.00	Date of Analysis:	10/24/23 06:25 PM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	17	Not Detected	Not Detected
Vinyl Chloride	0.20	17	Not Detected	Not Detected
1,1-Dichloroethene	0.20	14	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	3.2	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	6.3	Not Detected	Not Detected
Hexane	0.20	13	Not Detected	Not Detected
1,1-Dichloroethane	0.050	3.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	6.7	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.7	0.11	5.7
Chloroform	0.050	2.7	0.12	6.6
Cyclohexane	0.050	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	3.4	0.11	7.4
Carbon Tetrachloride	0.050	2.8	Not Detected	Not Detected
Benzene	0.20	9.2	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.3	Not Detected	Not Detected
Heptane	0.050	2.4	Not Detected	Not Detected
Trichloroethene	0.050	1.9	1.8	70
4-Methyl-2-pentanone	0.10	4.0	Not Detected	Not Detected
Toluene	0.050	1.6	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	1.9	Not Detected	Not Detected
Tetrachloroethene	0.050	1.3	Not Detected	Not Detected
Chlorobenzene	0.050	1.4	Not Detected	Not Detected
Ethyl Benzene	0.050	1.2	Not Detected	Not Detected
m,p-Xylene	0.050	1.2	Not Detected	Not Detected
o-Xylene	0.050	1.1	Not Detected	Not Detected
Styrene	0.050	1.1	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	1.1	Not Detected	Not Detected
Propylbenzene	0.050	0.89	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.80	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	0.72	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	0.69	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.68	0.057	0.78
1,2-Dichlorobenzene	0.050	0.62	Not Detected	Not Detected
Naphthalene	0.050	1.2	Not Detected	Not Detected

Temperature = 77.0F , duration time = 9879 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130



Air Toxics

Client Sample ID: 09R_SSG_38_20231018

Lab ID#: 2310524-13A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102421sim	Date of Collection: 10/18/23 11:19:00 A
Dil. Factor:	1.00	Date of Analysis: 10/24/23 06:25 PM
		Date of Extraction: 10/24/23



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2310524-14A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102405sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/24/23 10:57 AM
		Date of Extraction:	10/24/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Chloromethane	0.20	14	Not Detected	Not Detected
Vinyl Chloride	0.20	14	Not Detected	Not Detected
1,1-Dichloroethene	0.20	12	Not Detected	Not Detected
Methyl tert-butyl ether	0.050	2.7	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	5.4	Not Detected	Not Detected
Hexane	0.20	12	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.7	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	5.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.3	Not Detected	Not Detected
Chloroform	0.050	2.3	Not Detected	Not Detected
Cyclohexane	0.050	2.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.050	2.9	Not Detected	Not Detected
Carbon Tetrachloride	0.050	2.4	Not Detected	Not Detected
Benzene	0.20	7.9	Not Detected	Not Detected
1,2-Dichloroethane	0.050	2.0	Not Detected	Not Detected
Heptane	0.050	2.1	Not Detected	Not Detected
Trichloroethene	0.050	1.7	Not Detected	Not Detected
4-Methyl-2-pentanone	0.10	3.5	Not Detected	Not Detected
Toluene	0.050	1.4	Not Detected	Not Detected
1,1,2-Trichloroethane	0.050	1.7	Not Detected	Not Detected
Tetrachloroethene	0.050	1.1	Not Detected	Not Detected
Chlorobenzene	0.050	1.2	Not Detected	Not Detected
Ethyl Benzene	0.050	1.0	Not Detected	Not Detected
m,p-Xylene	0.050	1.0	Not Detected	Not Detected
o-Xylene	0.050	0.96	Not Detected	Not Detected
Styrene	0.050	0.96	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.050	0.96	Not Detected	Not Detected
Propylbenzene	0.050	0.76	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.050	0.69	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.050	0.62	Not Detected	Not Detected
1,3-Dichlorobenzene	0.050	0.59	Not Detected	Not Detected
1,4-Dichlorobenzene	0.050	0.58	Not Detected	Not Detected
1,2-Dichlorobenzene	0.050	0.53	Not Detected	Not Detected
Naphthalene	0.050	0.98	Not Detected	Not Detected

Temperature = 77.0F , duration time = 11534 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2310524-14A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102405sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/23 10:57 AM
		Date of Extraction: 10/24/23

Client Sample ID: CCV

Lab ID#: 2310524-15A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102402sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/23 09:27 AM
		Date of Extraction: NA

Compound	%Recovery
Chloromethane	110
Vinyl Chloride	90
1,1-Dichloroethene	96
Methyl tert-butyl ether	100
trans-1,2-Dichloroethene	96
Hexane	88
1,1-Dichloroethane	92
2-Butanone (Methyl Ethyl Ketone)	91
cis-1,2-Dichloroethene	92
Chloroform	97
Cyclohexane	81
1,1,1-Trichloroethane	94
Carbon Tetrachloride	94
Benzene	81
1,2-Dichloroethane	97
Heptane	79
Trichloroethene	86
4-Methyl-2-pentanone	84
Toluene	84
1,1,2-Trichloroethane	80
Tetrachloroethene	85
Chlorobenzene	84
Ethyl Benzene	85
m,p-Xylene	88
o-Xylene	86
Styrene	78
1,1,2,2-Tetrachloroethane	84
Propylbenzene	86
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	98
1,2-Dichlorobenzene	89
Naphthalene	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	82	70-130

Client Sample ID: LCS

Lab ID#: 2310524-16A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102403sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/24/23 09:54 AM
		Date of Extraction:	10/24/23

Compound	%Recovery	Method Limits
Chloromethane	176 Q	50-140
Vinyl Chloride	82	50-140
1,1-Dichloroethene	97	70-130
Methyl tert-butyl ether	105	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	97	70-130
1,1-Dichloroethane	93	70-130
2-Butanone (Methyl Ethyl Ketone)	84	70-130
cis-1,2-Dichloroethene	89	70-130
Chloroform	97	70-130
Cyclohexane	93	70-130
1,1,1-Trichloroethane	102	70-130
Carbon Tetrachloride	103	70-130
Benzene	82	70-130
1,2-Dichloroethane	96	70-130
Heptane	89	70-130
Trichloroethene	93	70-130
4-Methyl-2-pentanone	82	70-130
Toluene	84	70-130
1,1,2-Trichloroethane	83	70-130
Tetrachloroethene	85	70-130
Chlorobenzene	80	70-130
Ethyl Benzene	92	70-130
m,p-Xylene	87	70-130
o-Xylene	83	70-130
Styrene	57	20-100
1,1,2,2-Tetrachloroethane	75	60-130
Propylbenzene	85	70-130
1,3,5-Trimethylbenzene	91	70-130
1,2,4-Trimethylbenzene	87	70-130
1,3-Dichlorobenzene	72	60-130
1,4-Dichlorobenzene	77	60-130
1,2-Dichlorobenzene	66	60-130
Naphthalene	26	5-80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	83	70-130

Client Sample ID: LCSD

Lab ID#: 2310524-16AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c102404sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/24/23 10:21 AM
		Date of Extraction:	10/24/23

Compound	%Recovery	Method Limits
Chloromethane	175 Q	50-140
Vinyl Chloride	82	50-140
1,1-Dichloroethene	97	70-130
Methyl tert-butyl ether	106	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	96	70-130
1,1-Dichloroethane	93	70-130
2-Butanone (Methyl Ethyl Ketone)	83	70-130
cis-1,2-Dichloroethene	89	70-130
Chloroform	94	70-130
Cyclohexane	90	70-130
1,1,1-Trichloroethane	98	70-130
Carbon Tetrachloride	101	70-130
Benzene	80	70-130
1,2-Dichloroethane	98	70-130
Heptane	94	70-130
Trichloroethene	98	70-130
4-Methyl-2-pentanone	88	70-130
Toluene	87	70-130
1,1,2-Trichloroethane	82	70-130
Tetrachloroethene	86	70-130
Chlorobenzene	84	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	95	70-130
o-Xylene	92	70-130
Styrene	62	20-100
1,1,2,2-Tetrachloroethane	84	60-130
Propylbenzene	96	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	95	70-130
1,3-Dichlorobenzene	75	60-130
1,4-Dichlorobenzene	83	60-130
1,2-Dichlorobenzene	68	60-130
Naphthalene	27	5-80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130



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

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 231003R02
Laboratory Work Order: 0007275

Project Description:

Phoenix Heights Neighborhood Area VI
Waukesha, WI

Client PO No.: 25222269.05-002

Prepared for:
Jacob Krause
SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Ryan W. Schneider
Senior Project Manager

November 09, 2023

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

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

Table of Contents

Cover Page	1
Sample Summary	3
Case Narrative	4
Analytical Results	6
Summary of Compound Detections	7
Data Summary Table	10
Detailed Analytical Results	11
0007275-01 - 09R_SSG_06_20231018	12
0007275-02 - 09R_SSG_15_20231018	13
0007275-03 - 09R_SSG_22_20231018	14
0007275-04 - 09R_SSG_23_20231018	15
0007275-05 - 09R_SSG_28_20231018	16
QC Summaries	17
Additional QC Information	26
Sample Result Calculations	27
Equation	32
MRL Calculation Table	33
Certifications	38
Notes and Definitions	39
Sample Management Records	40
Chain of Custody	41

SCS Engineers
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 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007275-01 Sampler Type:	09R_SSG_06_20231018 Beacon Passive Sampler	10/31/2023	TO-17 (Passive)	Sewer Gas
0007275-02 Sampler Type:	09R_SSG_15_20231018 Beacon Passive Sampler	10/31/2023	TO-17 (Passive)	Sewer Gas
0007275-03 Sampler Type:	09R_SSG_22_20231018 Beacon Passive Sampler	10/31/2023	TO-17 (Passive)	Sewer Gas
0007275-04 Sampler Type:	09R_SSG_23_20231018 Beacon Passive Sampler	10/31/2023	TO-17 (Passive)	Sewer Gas
0007275-05 Sampler Type:	09R_SSG_28_20231018 Beacon Passive Sampler	10/31/2023	TO-17 (Passive)	Sewer Gas

Project Completeness

Samples Received: 5
Samples Analyzed: 5

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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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)

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 quantitation (LOQ) as noted in the data tables. The reported data includes LOQ limits.

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 project method quantitation limit (MQL) 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.

SCS Engineers
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Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

STATEMENT OF DATA QUALIFICATIONS

Qualifier Summary:

Analysis: TO-17 (Passive) / Organics in Air by EPA TO-17 Using Beacon Sampler

0007275-01 09R_SSG_06_20231018

Compound	Q	Q Explanation
1,2-Dichlorobenzene	A12	Quantifying Internal Standard recovery below laboratory and method acceptance limits, result value biased high.
1,4-Dichlorobenzene-d4	I3	Internal Standard recovery was below laboratory and method acceptance limits, associated results with detections associated with this internal standard are biased high.

SCS Engineers
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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Analytical Results

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Analyte	CAS#	Result (µg/m ³)	Q	RT	LOQ (µg/m ³)	File ID
Lab Sample ID: 0007275-01 09R_SSG_06_20231018 Method: TO-17 (Passive) Sewer Gas						
Vinyl Chloride	75-01-4	6.93		1.582	1.09	Ka23110207.D
1,1-Dichloroethene	75-35-4	41.7		2.221	2.67	Ka23110207.D
Methylene Chloride	75-09-2	8.55		2.541	2.51	Ka23110207.D
trans-1,2-Dichloroethene	156-60-5	15.5		2.738	2.00	Ka23110207.D
1,1-Dichloroethane	75-34-3	15.5		3.103	1.03	Ka23110207.D
cis-1,2-Dichloroethene	156-59-2	107		3.674	1.66	Ka23110207.D
Chloroform	67-66-3	33.3		4.093	2.51	Ka23110207.D
1,1,1-Trichloroethane	71-55-6	20.9		4.280	0.838	Ka23110207.D
Benzene	71-43-2	13.2		4.800	4.15	Ka23110207.D
Trichloroethene	79-01-6	941		5.907	2.67	Ka23110207.D
1,4-Dioxane	123-91-1	8.09		6.456	2.15	Ka23110207.D
Toluene	108-88-3	22.5		7.627	5.50	Ka23110207.D
Tetrachloroethene	127-18-4	7.86		8.154	2.15	Ka23110207.D
Ethylbenzene	100-41-4	3.79		9.074	2.59	Ka23110207.D
p & m-Xylene	179601-23-1	5.43		9.178	2.50	Ka23110207.D
o-Xylene	95-47-6	3.35		9.477	2.50	Ka23110207.D
1,2-Dichlorobenzene	95-50-1	17.1	AI2	10.704	1.17	Ka23110207.D

SCS Engineers
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Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007275-02	09R_SSG_15_20231018	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m ³)	Q	RT	LOQ (µg/m ³)	File ID
Methylene Chloride	75-09-2	6.13		2.541	2.55	Ka23110208.D
cis-1,2-Dichloroethene	156-59-2	2.25		3.677	1.69	Ka23110208.D
Chloroform	67-66-3	13.7		4.099	2.55	Ka23110208.D
Benzene	71-43-2	4.72		4.797	4.22	Ka23110208.D
Trichloroethene	79-01-6	19.5		5.907	2.71	Ka23110208.D
1,4-Dioxane	123-91-1	63.5		6.472	2.18	Ka23110208.D
p & m-Xylene	179601-23-1	5.03		9.178	2.54	Ka23110208.D
o-Xylene	95-47-6	2.91		9.477	2.54	Ka23110208.D
1,2-Dichlorobenzene	95-50-1	4.48		10.704	1.19	Ka23110208.D

Lab Sample ID: 0007275-03	09R_SSG_22_20231018	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m ³)	Q	RT	LOQ (µg/m ³)	File ID
trans-1,2-Dichloroethene	156-60-5	2.84		2.735	2.25	Ka23110209.D
1,1-Dichloroethane	75-34-3	2.24		3.106	1.16	Ka23110209.D
cis-1,2-Dichloroethene	156-59-2	19.5		3.674	1.87	Ka23110209.D
Chloroform	67-66-3	8.32		4.096	2.83	Ka23110209.D
1,1,1-Trichloroethane	71-55-6	3.69		4.280	0.942	Ka23110209.D
Trichloroethene	79-01-6	86.0		5.908	3.00	Ka23110209.D
1,4-Dioxane	123-91-1	5.13		6.469	2.41	Ka23110209.D
1,2-Dichlorobenzene	95-50-1	3.09		10.705	1.32	Ka23110209.D

SCS Engineers
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Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007275-05	09R_SSG_28_20231018	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	5.11		1.582	1.23	Ka23110211.D
1,1-Dichloroethene	75-35-4	33.2		2.218	3.03	Ka23110211.D
trans-1,2-Dichloroethene	156-60-5	10.3		2.738	2.27	Ka23110211.D
1,1-Dichloroethane	75-34-3	7.01		3.106	1.17	Ka23110211.D
cis-1,2-Dichloroethene	156-59-2	55.6		3.674	1.88	Ka23110211.D
Chloroform	67-66-3	5.46		4.096	2.85	Ka23110211.D
1,1,1-Trichloroethane	71-55-6	20.9		4.280	0.951	Ka23110211.D
Benzene	71-43-2	5.71		4.797	4.71	Ka23110211.D
Trichloroethene	79-01-6	811		5.907	3.03	Ka23110211.D
1,4-Dioxane	123-91-1	34.0		6.463	2.43	Ka23110211.D
Tetrachloroethene	127-18-4	3.77		8.154	2.43	Ka23110211.D
1,2-Dichlorobenzene	95-50-1	10.5		10.704	1.33	Ka23110211.D

SCS Engineers
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Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Data Summary Table- Concentration

Compound	Frequency	LOQ ($\mu\text{g}/\text{m}^3$)	Max Value ($\mu\text{g}/\text{m}^3$)
Vinyl Chloride	2	1.09	6.93
1,1-Dichloroethene	2	2.67	41.7
Methylene Chloride	2	2.51	8.55
trans-1,2-Dichloroethene	3	2.00	15.5
1,1-Dichloroethane	3	1.03	15.5
cis-1,2-Dichloroethene	4	1.66	107
Chloroform	4	2.51	33.3
1,1,1-Trichloroethane	3	0.838	20.9
Benzene	3	4.15	13.2
Trichloroethene	4	2.67	941
1,4-Dioxane	4	2.15	63.5
Toluene	1	5.50	22.5
Tetrachloroethene	2	2.15	7.86
Ethylbenzene	1	2.59	3.79
p & m-Xylene	2	2.50	5.43
o-Xylene	2	2.50	3.35
1,2-Dichlorobenzene	4	1.17	17.1

SCS Engineers
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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Detailed Analytical Results

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Lab Sample ID: 0007275-01

09R_SSG_06_20231018

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	6.93		1.09	11/02/2023 10:59	Ka23110207.D
1,1-Dichloroethene	75-35-4	41.7		2.67	11/02/2023 10:59	Ka23110207.D
Methylene Chloride	75-09-2	8.55		2.51	11/02/2023 10:59	Ka23110207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.988		0.988	11/02/2023 10:59	Ka23110207.D
trans-1,2-Dichloroethene	156-60-5	15.5		2.00	11/02/2023 10:59	Ka23110207.D
Methyl-t-butyl ether	1634-04-4	<4.40		4.40	11/02/2023 10:59	Ka23110207.D
1,1-Dichloroethane	75-34-3	15.5		1.03	11/02/2023 10:59	Ka23110207.D
cis-1,2-Dichloroethene	156-59-2	107		1.66	11/02/2023 10:59	Ka23110207.D
Chloroform	67-66-3	33.3		2.51	11/02/2023 10:59	Ka23110207.D
1,2-Dichloroethane	107-06-2	<1.57		1.57	11/02/2023 10:59	Ka23110207.D
1,1,1-Trichloroethane	71-55-6	20.9		0.838	11/02/2023 10:59	Ka23110207.D
Carbon Tetrachloride	56-23-5	<2.05		2.05	11/02/2023 10:59	Ka23110207.D
Benzene	71-43-2	13.2		4.15	11/02/2023 10:59	Ka23110207.D
Trichloroethene	79-01-6	941		2.67	11/02/2023 10:59	Ka23110207.D
1,4-Dioxane	123-91-1	8.09		2.15	11/02/2023 10:59	Ka23110207.D
1,1,2-Trichloroethane	79-00-5	<2.67		2.67	11/02/2023 10:59	Ka23110207.D
Toluene	108-88-3	22.5		5.50	11/02/2023 10:59	Ka23110207.D
1,2-Dibromoethane (EDB)	106-93-4	<2.26		2.26	11/02/2023 10:59	Ka23110207.D
Tetrachloroethene	127-18-4	7.86		2.15	11/02/2023 10:59	Ka23110207.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.15		2.15	11/02/2023 10:59	Ka23110207.D
Chlorobenzene	108-90-7	<1.03		1.03	11/02/2023 10:59	Ka23110207.D
Ethylbenzene	100-41-4	3.79		2.59	11/02/2023 10:59	Ka23110207.D
p & m-Xylene	179601-23-1	5.43		2.50	11/02/2023 10:59	Ka23110207.D
o-Xylene	95-47-6	3.35		2.50	11/02/2023 10:59	Ka23110207.D
1,2,3-Trichloropropane	96-18-4	<1.17		1.17	11/02/2023 10:59	Ka23110207.D
Isopropylbenzene	98-82-8	<2.65		2.65	11/02/2023 10:59	Ka23110207.D
1,3,5-Trimethylbenzene	108-67-8	<2.65		2.65	11/02/2023 10:59	Ka23110207.D
1,2,4-Trimethylbenzene	95-63-6	<2.65		2.65	11/02/2023 10:59	Ka23110207.D
1,3-Dichlorobenzene	541-73-1	<1.17		1.17	11/02/2023 10:59	Ka23110207.D
1,4-Dichlorobenzene	106-46-7	<1.17		1.17	11/02/2023 10:59	Ka23110207.D
1,2-Dichlorobenzene	95-50-1	17.1	AI2	1.17	11/02/2023 10:59	Ka23110207.D
1,2,4-Trichlorobenzene	120-82-1	<2.26		2.26	11/02/2023 10:59	Ka23110207.D
Naphthalene	91-20-3	<2.75		2.75	11/02/2023 10:59	Ka23110207.D
1,2,3-Trichlorobenzene	87-61-6	<2.26		2.26	11/02/2023 10:59	Ka23110207.D
2-Methylnaphthalene	91-57-6	<2.89		2.89	11/02/2023 10:59	Ka23110207.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	102%	70-130		11/02/2023 10:59	Ka23110207.D
Surrogate: Toluene-d8	2037-26-5	97.1%	70-130		11/02/2023 10:59	Ka23110207.D
Surrogate: Bromofluorobenzene	460-00-4	108%	70-130		11/02/2023 10:59	Ka23110207.D

SCS Engineers
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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Lab Sample ID: 0007275-02

09R_SSG_15_20231018

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.10		1.10	11/02/2023 11:28	Ka23110208.D
1,1-Dichloroethene	75-35-4	<2.71		2.71	11/02/2023 11:28	Ka23110208.D
Methylene Chloride	75-09-2	6.13		2.55	11/02/2023 11:28	Ka23110208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.00		1.00	11/02/2023 11:28	Ka23110208.D
trans-1,2-Dichloroethene	156-60-5	<2.03		2.03	11/02/2023 11:28	Ka23110208.D
Methyl-t-butyl ether	1634-04-4	<4.47		4.47	11/02/2023 11:28	Ka23110208.D
1,1-Dichloroethane	75-34-3	<1.05		1.05	11/02/2023 11:28	Ka23110208.D
cis-1,2-Dichloroethene	156-59-2	2.25		1.69	11/02/2023 11:28	Ka23110208.D
Chloroform	67-66-3	13.7		2.55	11/02/2023 11:28	Ka23110208.D
1,2-Dichloroethane	107-06-2	<1.60		1.60	11/02/2023 11:28	Ka23110208.D
1,1,1-Trichloroethane	71-55-6	<0.851		0.851	11/02/2023 11:28	Ka23110208.D
Carbon Tetrachloride	56-23-5	<2.08		2.08	11/02/2023 11:28	Ka23110208.D
Benzene	71-43-2	4.72		4.22	11/02/2023 11:28	Ka23110208.D
Trichloroethene	79-01-6	19.5		2.71	11/02/2023 11:28	Ka23110208.D
1,4-Dioxane	123-91-1	63.5		2.18	11/02/2023 11:28	Ka23110208.D
1,1,2-Trichloroethane	79-00-5	<2.71		2.71	11/02/2023 11:28	Ka23110208.D
Toluene	108-88-3	<5.59		5.59	11/02/2023 11:28	Ka23110208.D
1,2-Dibromoethane (EDB)	106-93-4	<2.29		2.29	11/02/2023 11:28	Ka23110208.D
Tetrachloroethene	127-18-4	<2.18		2.18	11/02/2023 11:28	Ka23110208.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.18		2.18	11/02/2023 11:28	Ka23110208.D
Chlorobenzene	108-90-7	<1.05		1.05	11/02/2023 11:28	Ka23110208.D
Ethylbenzene	100-41-4	<2.63		2.63	11/02/2023 11:28	Ka23110208.D
p & m-Xylene	179601-23-1	5.03		2.54	11/02/2023 11:28	Ka23110208.D
o-Xylene	95-47-6	2.91		2.54	11/02/2023 11:28	Ka23110208.D
1,2,3-Trichloropropane	96-18-4	<1.19		1.19	11/02/2023 11:28	Ka23110208.D
Isopropylbenzene	98-82-8	<2.69		2.69	11/02/2023 11:28	Ka23110208.D
1,3,5-Trimethylbenzene	108-67-8	<2.69		2.69	11/02/2023 11:28	Ka23110208.D
1,2,4-Trimethylbenzene	95-63-6	<2.69		2.69	11/02/2023 11:28	Ka23110208.D
1,3-Dichlorobenzene	541-73-1	<1.19		1.19	11/02/2023 11:28	Ka23110208.D
1,4-Dichlorobenzene	106-46-7	<1.19		1.19	11/02/2023 11:28	Ka23110208.D
1,2-Dichlorobenzene	95-50-1	4.48		1.19	11/02/2023 11:28	Ka23110208.D
1,2,4-Trichlorobenzene	120-82-1	<2.29		2.29	11/02/2023 11:28	Ka23110208.D
Naphthalene	91-20-3	<2.79		2.79	11/02/2023 11:28	Ka23110208.D
1,2,3-Trichlorobenzene	87-61-6	<2.29		2.29	11/02/2023 11:28	Ka23110208.D
2-Methylnaphthalene	91-57-6	<2.94		2.94	11/02/2023 11:28	Ka23110208.D
<i>Analyte</i>	<i>CAS#</i>	<i>% Recovery</i>	<i>Recovery Limits</i>	<i>Q</i>	<i>Analyzed</i>	<i>File ID</i>
<i>Surrogate: 1,2-DCA-d4</i>	17060-07-0	95.1%	70-130		11/02/2023 11:28	Ka23110208.D
<i>Surrogate: Toluene-d8</i>	2037-26-5	93.9%	70-130		11/02/2023 11:28	Ka23110208.D
<i>Surrogate: Bromofluorobenzene</i>	460-00-4	111%	70-130		11/02/2023 11:28	Ka23110208.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Lab Sample ID: 0007275-03

09R_SSG_22_20231018

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.22		1.22	11/02/2023 11:57	Ka23110209.D
1,1-Dichloroethene	75-35-4	<3.00		3.00	11/02/2023 11:57	Ka23110209.D
Methylene Chloride	75-09-2	<2.83		2.83	11/02/2023 11:57	Ka23110209.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.11		1.11	11/02/2023 11:57	Ka23110209.D
trans-1,2-Dichloroethene	156-60-5	2.84		2.25	11/02/2023 11:57	Ka23110209.D
Methyl-t-butyl ether	1634-04-4	<4.95		4.95	11/02/2023 11:57	Ka23110209.D
1,1-Dichloroethane	75-34-3	2.24		1.16	11/02/2023 11:57	Ka23110209.D
cis-1,2-Dichloroethene	156-59-2	19.5		1.87	11/02/2023 11:57	Ka23110209.D
Chloroform	67-66-3	8.32		2.83	11/02/2023 11:57	Ka23110209.D
1,2-Dichloroethane	107-06-2	<1.77		1.77	11/02/2023 11:57	Ka23110209.D
1,1,1-Trichloroethane	71-55-6	3.69		0.942	11/02/2023 11:57	Ka23110209.D
Carbon Tetrachloride	56-23-5	<2.30		2.30	11/02/2023 11:57	Ka23110209.D
Benzene	71-43-2	<4.67		4.67	11/02/2023 11:57	Ka23110209.D
Trichloroethene	79-01-6	86.0		3.00	11/02/2023 11:57	Ka23110209.D
1,4-Dioxane	123-91-1	5.13		2.41	11/02/2023 11:57	Ka23110209.D
1,1,2-Trichloroethane	79-00-5	<3.00		3.00	11/02/2023 11:57	Ka23110209.D
Toluene	108-88-3	<6.18		6.18	11/02/2023 11:57	Ka23110209.D
1,2-Dibromoethane (EDB)	106-93-4	<2.54		2.54	11/02/2023 11:57	Ka23110209.D
Tetrachloroethene	127-18-4	<2.41		2.41	11/02/2023 11:57	Ka23110209.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.41		2.41	11/02/2023 11:57	Ka23110209.D
Chlorobenzene	108-90-7	<1.16		1.16	11/02/2023 11:57	Ka23110209.D
Ethylbenzene	100-41-4	<2.91		2.91	11/02/2023 11:57	Ka23110209.D
p & m-Xylene	179601-23-1	<2.81		2.81	11/02/2023 11:57	Ka23110209.D
o-Xylene	95-47-6	<2.81		2.81	11/02/2023 11:57	Ka23110209.D
1,2,3-Trichloropropane	96-18-4	<1.32		1.32	11/02/2023 11:57	Ka23110209.D
Isopropylbenzene	98-82-8	<2.98		2.98	11/02/2023 11:57	Ka23110209.D
1,3,5-Trimethylbenzene	108-67-8	<2.98		2.98	11/02/2023 11:57	Ka23110209.D
1,2,4-Trimethylbenzene	95-63-6	<2.98		2.98	11/02/2023 11:57	Ka23110209.D
1,3-Dichlorobenzene	541-73-1	<1.32		1.32	11/02/2023 11:57	Ka23110209.D
1,4-Dichlorobenzene	106-46-7	<1.32		1.32	11/02/2023 11:57	Ka23110209.D
1,2-Dichlorobenzene	95-50-1	3.09		1.32	11/02/2023 11:57	Ka23110209.D
1,2,4-Trichlorobenzene	120-82-1	<2.54		2.54	11/02/2023 11:57	Ka23110209.D
Naphthalene	91-20-3	<3.09		3.09	11/02/2023 11:57	Ka23110209.D
1,2,3-Trichlorobenzene	87-61-6	<2.54		2.54	11/02/2023 11:57	Ka23110209.D
2-Methylnaphthalene	91-57-6	<3.25		3.25	11/02/2023 11:57	Ka23110209.D
<i>Analyte</i>	<i>CAS#</i>	<i>% Recovery</i>	<i>Recovery Limits</i>	<i>Q</i>	<i>Analyzed</i>	<i>File ID</i>
<i>Surrogate: 1,2-DCA-d4</i>	17060-07-0	102%	70-130		11/02/2023 11:57	Ka23110209.D
<i>Surrogate: Toluene-d8</i>	2037-26-5	94.4%	70-130		11/02/2023 11:57	Ka23110209.D
<i>Surrogate: Bromofluorobenzene</i>	460-00-4	109%	70-130		11/02/2023 11:57	Ka23110209.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Lab Sample ID: 0007275-04

09R_SSG_23_20231018

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.22		1.22	11/02/2023 12:25	Ka23110210.D
1,1-Dichloroethene	75-35-4	<3.00		3.00	11/02/2023 12:25	Ka23110210.D
Methylene Chloride	75-09-2	<2.83		2.83	11/02/2023 12:25	Ka23110210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.11		1.11	11/02/2023 12:25	Ka23110210.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	11/02/2023 12:25	Ka23110210.D
Methyl-t-butyl ether	1634-04-4	<4.96		4.96	11/02/2023 12:25	Ka23110210.D
1,1-Dichloroethane	75-34-3	<1.17		1.17	11/02/2023 12:25	Ka23110210.D
cis-1,2-Dichloroethene	156-59-2	<1.87		1.87	11/02/2023 12:25	Ka23110210.D
Chloroform	67-66-3	<2.83		2.83	11/02/2023 12:25	Ka23110210.D
1,2-Dichloroethane	107-06-2	<1.77		1.77	11/02/2023 12:25	Ka23110210.D
1,1,1-Trichloroethane	71-55-6	<0.944		0.944	11/02/2023 12:25	Ka23110210.D
Carbon Tetrachloride	56-23-5	<2.31		2.31	11/02/2023 12:25	Ka23110210.D
Benzene	71-43-2	<4.68		4.68	11/02/2023 12:25	Ka23110210.D
Trichloroethene	79-01-6	<3.00		3.00	11/02/2023 12:25	Ka23110210.D
1,4-Dioxane	123-91-1	<2.42		2.42	11/02/2023 12:25	Ka23110210.D
1,1,2-Trichloroethane	79-00-5	<3.00		3.00	11/02/2023 12:25	Ka23110210.D
Toluene	108-88-3	<6.19		6.19	11/02/2023 12:25	Ka23110210.D
1,2-Dibromoethane (EDB)	106-93-4	<2.54		2.54	11/02/2023 12:25	Ka23110210.D
Tetrachloroethene	127-18-4	<2.42		2.42	11/02/2023 12:25	Ka23110210.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.42		2.42	11/02/2023 12:25	Ka23110210.D
Chlorobenzene	108-90-7	<1.17		1.17	11/02/2023 12:25	Ka23110210.D
Ethylbenzene	100-41-4	<2.92		2.92	11/02/2023 12:25	Ka23110210.D
p & m-Xylene	179601-23-1	<2.82		2.82	11/02/2023 12:25	Ka23110210.D
o-Xylene	95-47-6	<2.82		2.82	11/02/2023 12:25	Ka23110210.D
1,2,3-Trichloropropane	96-18-4	<1.32		1.32	11/02/2023 12:25	Ka23110210.D
Isopropylbenzene	98-82-8	<2.99		2.99	11/02/2023 12:25	Ka23110210.D
1,3,5-Trimethylbenzene	108-67-8	<2.99		2.99	11/02/2023 12:25	Ka23110210.D
1,2,4-Trimethylbenzene	95-63-6	<2.99		2.99	11/02/2023 12:25	Ka23110210.D
1,3-Dichlorobenzene	541-73-1	<1.32		1.32	11/02/2023 12:25	Ka23110210.D
1,4-Dichlorobenzene	106-46-7	<1.32		1.32	11/02/2023 12:25	Ka23110210.D
1,2-Dichlorobenzene	95-50-1	<1.32		1.32	11/02/2023 12:25	Ka23110210.D
1,2,4-Trichlorobenzene	120-82-1	<2.54		2.54	11/02/2023 12:25	Ka23110210.D
Naphthalene	91-20-3	<3.10		3.10	11/02/2023 12:25	Ka23110210.D
1,2,3-Trichlorobenzene	87-61-6	<2.54		2.54	11/02/2023 12:25	Ka23110210.D
2-Methylnaphthalene	91-57-6	<3.26		3.26	11/02/2023 12:25	Ka23110210.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	95.3%	70-130		11/02/2023 12:25	Ka23110210.D
Surrogate: Toluene-d8	2037-26-5	96.4%	70-130		11/02/2023 12:25	Ka23110210.D
Surrogate: Bromofluorobenzene	460-00-4	106%	70-130		11/02/2023 12:25	Ka23110210.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Lab Sample ID: 0007275-05

09R_SSG_28_20231018

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	5.11		1.23	11/02/2023 12:55	Ka23110211.D
1,1-Dichloroethene	75-35-4	33.2		3.03	11/02/2023 12:55	Ka23110211.D
Methylene Chloride	75-09-2	<2.85		2.85	11/02/2023 12:55	Ka23110211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.12		1.12	11/02/2023 12:55	Ka23110211.D
trans-1,2-Dichloroethene	156-60-5	10.3		2.27	11/02/2023 12:55	Ka23110211.D
Methyl-t-butyl ether	1634-04-4	<4.99		4.99	11/02/2023 12:55	Ka23110211.D
1,1-Dichloroethane	75-34-3	7.01		1.17	11/02/2023 12:55	Ka23110211.D
cis-1,2-Dichloroethene	156-59-2	55.6		1.88	11/02/2023 12:55	Ka23110211.D
Chloroform	67-66-3	5.46		2.85	11/02/2023 12:55	Ka23110211.D
1,2-Dichloroethane	107-06-2	<1.78		1.78	11/02/2023 12:55	Ka23110211.D
1,1,1-Trichloroethane	71-55-6	20.9		0.951	11/02/2023 12:55	Ka23110211.D
Carbon Tetrachloride	56-23-5	<2.32		2.32	11/02/2023 12:55	Ka23110211.D
Benzene	71-43-2	5.71		4.71	11/02/2023 12:55	Ka23110211.D
Trichloroethene	79-01-6	811		3.03	11/02/2023 12:55	Ka23110211.D
1,4-Dioxane	123-91-1	34.0		2.43	11/02/2023 12:55	Ka23110211.D
1,1,2-Trichloroethane	79-00-5	<3.03		3.03	11/02/2023 12:55	Ka23110211.D
Toluene	108-88-3	<6.24		6.24	11/02/2023 12:55	Ka23110211.D
1,2-Dibromoethane (EDB)	106-93-4	<2.56		2.56	11/02/2023 12:55	Ka23110211.D
Tetrachloroethene	127-18-4	3.77		2.43	11/02/2023 12:55	Ka23110211.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.43		2.43	11/02/2023 12:55	Ka23110211.D
Chlorobenzene	108-90-7	<1.17		1.17	11/02/2023 12:55	Ka23110211.D
Ethylbenzene	100-41-4	<2.94		2.94	11/02/2023 12:55	Ka23110211.D
p & m-Xylene	179601-23-1	<2.84		2.84	11/02/2023 12:55	Ka23110211.D
o-Xylene	95-47-6	<2.84		2.84	11/02/2023 12:55	Ka23110211.D
1,2,3-Trichloropropane	96-18-4	<1.33		1.33	11/02/2023 12:55	Ka23110211.D
Isopropylbenzene	98-82-8	<3.01		3.01	11/02/2023 12:55	Ka23110211.D
1,3,5-Trimethylbenzene	108-67-8	<3.01		3.01	11/02/2023 12:55	Ka23110211.D
1,2,4-Trimethylbenzene	95-63-6	<3.01		3.01	11/02/2023 12:55	Ka23110211.D
1,3-Dichlorobenzene	541-73-1	<1.33		1.33	11/02/2023 12:55	Ka23110211.D
1,4-Dichlorobenzene	106-46-7	<1.33		1.33	11/02/2023 12:55	Ka23110211.D
1,2-Dichlorobenzene	95-50-1	10.5		1.33	11/02/2023 12:55	Ka23110211.D
1,2,4-Trichlorobenzene	120-82-1	<2.56		2.56	11/02/2023 12:55	Ka23110211.D
Naphthalene	91-20-3	<3.12		3.12	11/02/2023 12:55	Ka23110211.D
1,2,3-Trichlorobenzene	87-61-6	<2.56		2.56	11/02/2023 12:55	Ka23110211.D
2-Methylnaphthalene	91-57-6	<3.28		3.28	11/02/2023 12:55	Ka23110211.D
<i>Analyte</i>	<i>CAS#</i>	<i>% Recovery</i>	<i>Recovery Limits</i>	<i>Q</i>	<i>Analyzed</i>	<i>File ID</i>
<i>Surrogate: 1,2-DCA-d4</i>	17060-07-0	95.5%	70-130		11/02/2023 12:55	Ka23110211.D
<i>Surrogate: Toluene-d8</i>	2037-26-5	95.2%	70-130		11/02/2023 12:55	Ka23110211.D
<i>Surrogate: Bromofluorobenzene</i>	460-00-4	108%	70-130		11/02/2023 12:55	Ka23110211.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

QC Information/Summary

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J069 - Instrument: K System - File ID: Ka23103116.D

B23J069-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	53.0	10	ng	50.0		106	70-130			
1,1-Dichloroethene	51.2	10	ng	50.0		102	70-130			
Methylene Chloride	53.4	10	ng	50.0		107	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	50.6	10	ng	50.0		101	70-130			
trans-1,2-Dichloroethene	53.0	10	ng	50.0		106	70-130			
Methyl-t-butyl ether	48.5	25	ng	50.0		97.0	70-130			
1,1-Dichloroethane	50.7	10	ng	50.0		101	70-130			
cis-1,2-Dichloroethene	51.0	10	ng	50.0		102	70-130			
Chloroform	50.4	10	ng	50.0		101	70-130			
1,2-Dichloroethane	52.6	10	ng	50.0		105	70-130			
1,1,1-Trichloroethane	49.9	10	ng	50.0		99.8	70-130			
Carbon Tetrachloride	48.5	10	ng	50.0		96.9	70-130			
Benzene	38.2	25	ng	50.0		76.5	70-130			
Trichloroethene	50.2	10	ng	50.0		100	70-130			
1,4-Dioxane	45.0	10	ng	50.0		90.0	70-130			
1,1,2-Trichloroethane	50.4	10	ng	50.0		101	70-130			
Toluene	57.2	25	ng	50.0		114	70-130			
1,2-Dibromoethane (EDB)	53.0	10	ng	50.0		106	70-130			
Tetrachloroethene	50.9	10	ng	50.0		102	70-130			
1,1,1,2-Tetrachloroethane	50.5	10	ng	50.0		101	70-130			
Chlorobenzene	50.3	10	ng	50.0		101	70-130			
Ethylbenzene	56.1	25	ng	50.0		112	70-130			
p & m-Xylene	58.7	25	ng	50.0		117	70-130			
o-Xylene	57.8	25	ng	50.0		116	70-130			
1,2,3-Trichloropropane	53.7	10	ng	50.0		107	70-130			
Isopropylbenzene	53.6	25	ng	50.0		107	70-130			
1,3,5-Trimethylbenzene	50.7	25	ng	50.0		101	70-130			
1,2,4-Trimethylbenzene	46.8	25	ng	50.0		93.6	70-130			
1,3-Dichlorobenzene	49.6	10	ng	50.0		99.2	70-130			
1,4-Dichlorobenzene	49.5	10	ng	50.0		99.1	70-130			
1,2-Dichlorobenzene	49.5	10	ng	50.0		99.0	70-130			
1,2,4-Trichlorobenzene	41.2	10	ng	50.0		82.3	70-130			
Naphthalene	49.4	25	ng	50.0		98.7	70-130			
1,2,3-Trichlorobenzene	50.9	10	ng	50.0		102	70-130			
2-Methylnaphthalene	51.1	25	ng	50.0		102	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>50.5</i>		<i>ng</i>	<i>50.0</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>53.6</i>		<i>ng</i>	<i>50.0</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>52.1</i>		<i>ng</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J069 - Instrument: K System - File ID: Ka23103119.D

B23J069-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	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	<5	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<5	25	ng							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>104</i>		<i>ng</i>	<i>100</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>109</i>		<i>ng</i>	<i>100</i>		<i>109</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>98.3</i>		<i>ng</i>	<i>100</i>		<i>98.3</i>	<i>70-130</i>			

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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

Sequence: B23K004 - Batch: 23K0003 - Instrument: K System - File ID: Ka23110202.D

23K0003-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	52.3	10	ng	50.0		105	70-130			
1,1-Dichloroethene	50.1	10	ng	50.0		100	70-130			
Methylene Chloride	56.4	10	ng	50.0		113	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.4	10	ng	50.0		98.8	70-130			
trans-1,2-Dichloroethene	54.3	10	ng	50.0		109	70-130			
Methyl-t-butyl ether	49.7	25	ng	50.0		99.3	70-130			
1,1-Dichloroethane	53.0	10	ng	50.0		106	70-130			
cis-1,2-Dichloroethene	50.6	10	ng	50.0		101	70-130			
Chloroform	50.3	10	ng	50.0		101	70-130			
1,2-Dichloroethane	52.2	10	ng	50.0		104	70-130			
1,1,1-Trichloroethane	48.2	10	ng	50.0		96.4	70-130			
Carbon Tetrachloride	49.8	10	ng	50.0		99.5	70-130			
Benzene	42.7	25	ng	50.0		85.3	70-130			
Trichloroethene	47.6	10	ng	50.0		95.3	70-130			
1,4-Dioxane	46.9	10	ng	50.0		93.9	70-130			
1,1,2-Trichloroethane	48.4	10	ng	50.0		96.7	70-130			
Toluene	58.5	25	ng	50.0		117	70-130			
1,2-Dibromoethane (EDB)	54.1	10	ng	50.0		108	70-130			
Tetrachloroethene	50.2	10	ng	50.0		100	70-130			
1,1,1,2-Tetrachloroethane	48.4	10	ng	50.0		96.7	70-130			
Chlorobenzene	48.8	10	ng	50.0		97.7	70-130			
Ethylbenzene	53.8	25	ng	50.0		108	70-130			
p & m-Xylene	55.1	25	ng	50.0		110	70-130			
o-Xylene	55.9	25	ng	50.0		112	70-130			
1,2,3-Trichloropropane	51.6	10	ng	50.0		103	70-130			
Isopropylbenzene	51.5	25	ng	50.0		103	70-130			
1,3,5-Trimethylbenzene	51.6	25	ng	50.0		103	70-130			
1,2,4-Trimethylbenzene	48.2	25	ng	50.0		96.3	70-130			
1,3-Dichlorobenzene	47.6	10	ng	50.0		95.2	70-130			
1,4-Dichlorobenzene	47.5	10	ng	50.0		95.0	70-130			
1,2-Dichlorobenzene	47.2	10	ng	50.0		94.3	70-130			
1,2,4-Trichlorobenzene	37.0	10	ng	50.0		73.9	70-130			
Naphthalene	44.7	25	ng	50.0		89.4	70-130			
1,2,3-Trichlorobenzene	44.6	10	ng	50.0		89.3	70-130			
2-Methylnaphthalene	47.3	25	ng	50.0		94.6	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>51.9</i>		<i>ng</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>56.1</i>		<i>ng</i>	<i>50.0</i>		<i>112</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>51.0</i>		<i>ng</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>			

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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

Sequence: B23K004 - Batch: 23K0003 - Instrument: K System - File ID: Ka23110203.D

23K0003-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<1.09	1.09	µg/m³							U
1,1-Dichloroethene	<2.67	2.67	µg/m³							U
Methylene Chloride	<2.51	2.51	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.988	0.988	µg/m³							U
trans-1,2-Dichloroethene	<2.00	2.00	µg/m³							U
Methyl-t-butyl ether	<4.40	4.40	µg/m³							U
1,1-Dichloroethane	<1.03	1.03	µg/m³							U
cis-1,2-Dichloroethene	<1.66	1.66	µg/m³							U
Chloroform	<2.51	2.51	µg/m³							U
1,2-Dichloroethane	<1.57	1.57	µg/m³							U
1,1,1-Trichloroethane	<0.838	0.838	µg/m³							U
Carbon Tetrachloride	<2.05	2.05	µg/m³							U
Benzene	<4.15	4.15	µg/m³							U
Trichloroethene	<2.67	2.67	µg/m³							U
1,4-Dioxane	<2.15	2.15	µg/m³							U
1,1,2-Trichloroethane	<2.67	2.67	µg/m³							U
Toluene	<5.50	5.50	µg/m³							U
1,2-Dibromoethane (EDB)	<2.26	2.26	µg/m³							U
Tetrachloroethene	<2.15	2.15	µg/m³							U
1,1,1,2-Tetrachloroethane	<2.15	2.15	µg/m³							U
Chlorobenzene	<1.03	1.03	µg/m³							U
Ethylbenzene	<2.59	2.59	µg/m³							U
p & m-Xylene	<2.50	2.50	µg/m³							U
o-Xylene	<2.50	2.50	µg/m³							U
1,2,3-Trichloropropane	<1.17	1.17	µg/m³							U
Isopropylbenzene	<2.65	2.65	µg/m³							U
1,3,5-Trimethylbenzene	<2.65	2.65	µg/m³							U
1,2,4-Trimethylbenzene	<2.65	2.65	µg/m³							U
1,3-Dichlorobenzene	<1.17	1.17	µg/m³							U
1,4-Dichlorobenzene	<1.17	1.17	µg/m³							U
1,2-Dichlorobenzene	<1.17	1.17	µg/m³							U
1,2,4-Trichlorobenzene	<2.26	2.26	µg/m³							U
Naphthalene	<2.75	2.75	µg/m³							U
1,2,3-Trichlorobenzene	<2.26	2.26	µg/m³							U
2-Methylnaphthalene	<2.89	2.89	µg/m³							U
Surrogate: 1,2-DCA-d4	106		ng	100		106	70-130			
Surrogate: Toluene-d8	112		ng	100		112	70-130			
Surrogate: Bromofluorobenzene	96.6		ng	100		96.6	70-130			

SCS Engineers
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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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

Sequence: B23K004 - Instrument: K System - File ID: Ka23110204.D

B23K004-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	55.6	10	ng	50.0		111	70-130			
1,1-Dichloroethene	50.2	10	ng	50.0		100	70-130			
Methylene Chloride	54.6	10	ng	50.0		109	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.7	10	ng	50.0		99.4	70-130			
trans-1,2-Dichloroethene	53.8	10	ng	50.0		108	70-130			
Methyl-t-butyl ether	48.4	25	ng	50.0		96.7	70-130			
1,1-Dichloroethane	52.7	10	ng	50.0		105	70-130			
cis-1,2-Dichloroethene	50.5	10	ng	50.0		101	70-130			
Chloroform	50.1	10	ng	50.0		100	70-130			
1,2-Dichloroethane	52.9	10	ng	50.0		106	70-130			
1,1,1-Trichloroethane	49.9	10	ng	50.0		99.8	70-130			
Carbon Tetrachloride	51.9	10	ng	50.0		104	70-130			
Benzene	47.0	25	ng	50.0		93.9	70-130			
Trichloroethene	48.7	10	ng	50.0		97.5	70-130			
1,4-Dioxane	45.3	10	ng	50.0		90.6	70-130			
1,1,2-Trichloroethane	49.6	10	ng	50.0		99.2	70-130			
Toluene	58.8	25	ng	50.0		118	70-130			
1,2-Dibromoethane (EDB)	54.1	10	ng	50.0		108	70-130			
Tetrachloroethene	50.4	10	ng	50.0		101	70-130			
1,1,1,2-Tetrachloroethane	50.2	10	ng	50.0		100	70-130			
Chlorobenzene	48.9	10	ng	50.0		97.8	70-130			
Ethylbenzene	54.5	25	ng	50.0		109	70-130			
p & m-Xylene	55.9	25	ng	50.0		112	70-130			
o-Xylene	53.2	25	ng	50.0		106	70-130			
1,2,3-Trichloropropane	52.7	10	ng	50.0		105	70-130			
Isopropylbenzene	51.9	25	ng	50.0		104	70-130			
1,3,5-Trimethylbenzene	52.8	25	ng	50.0		106	70-130			
1,2,4-Trimethylbenzene	49.3	25	ng	50.0		98.6	70-130			
1,3-Dichlorobenzene	49.9	10	ng	50.0		99.8	70-130			
1,4-Dichlorobenzene	49.8	10	ng	50.0		99.6	70-130			
1,2-Dichlorobenzene	47.8	10	ng	50.0		95.6	70-130			
1,2,4-Trichlorobenzene	39.9	10	ng	50.0		79.9	70-130			
Naphthalene	47.1	25	ng	50.0		94.2	70-130			
1,2,3-Trichlorobenzene	47.2	10	ng	50.0		94.3	70-130			
2-Methylnaphthalene	47.1	25	ng	50.0		94.2	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>51.1</i>		<i>ng</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>54.5</i>		<i>ng</i>	<i>50.0</i>		<i>109</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>50.0</i>		<i>ng</i>	<i>50.0</i>		<i>99.9</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23K004 - Instrument: K System - File ID: Ka23110212.D

B23K004-CCV1 (LCS, Closing Calibration Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	53.8	10	ng	50.0		108	70-130			
1,1-Dichloroethene	48.7	10	ng	50.0		97.4	70-130			
Methylene Chloride	53.9	10	ng	50.0		108	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.4	10	ng	50.0		98.9	70-130			
trans-1,2-Dichloroethene	53.1	10	ng	50.0		106	70-130			
Methyl-t-butyl ether	49.8	25	ng	50.0		99.7	70-130			
1,1-Dichloroethane	52.6	10	ng	50.0		105	70-130			
cis-1,2-Dichloroethene	48.7	10	ng	50.0		97.3	70-130			
Chloroform	49.8	10	ng	50.0		99.5	70-130			
1,2-Dichloroethane	51.4	10	ng	50.0		103	70-130			
1,1,1-Trichloroethane	47.8	10	ng	50.0		95.5	70-130			
Carbon Tetrachloride	48.5	10	ng	50.0		96.9	70-130			
Benzene	43.8	25	ng	50.0		87.5	70-130			
Trichloroethene	46.8	10	ng	50.0		93.6	70-130			
1,4-Dioxane	49.0	10	ng	50.0		98.0	70-130			
1,1,2-Trichloroethane	47.5	10	ng	50.0		95.0	70-130			
Toluene	57.5	25	ng	50.0		115	70-130			
1,2-Dibromoethane (EDB)	50.8	10	ng	50.0		102	70-130			
Tetrachloroethene	48.7	10	ng	50.0		97.4	70-130			
1,1,1,2-Tetrachloroethane	47.4	10	ng	50.0		94.9	70-130			
Chlorobenzene	49.2	10	ng	50.0		98.3	70-130			
Ethylbenzene	55.1	25	ng	50.0		110	70-130			
p & m-Xylene	58.0	25	ng	50.0		116	70-130			
o-Xylene	56.1	25	ng	50.0		112	70-130			
1,2,3-Trichloropropane	53.6	10	ng	50.0		107	70-130			
Isopropylbenzene	53.6	25	ng	50.0		107	70-130			
1,3,5-Trimethylbenzene	49.7	25	ng	50.0		99.3	70-130			
1,2,4-Trimethylbenzene	47.2	25	ng	50.0		94.3	70-130			
1,3-Dichlorobenzene	48.0	10	ng	50.0		96.0	70-130			
1,4-Dichlorobenzene	48.0	10	ng	50.0		96.0	70-130			
1,2-Dichlorobenzene	47.8	10	ng	50.0		95.5	70-130			
1,2,4-Trichlorobenzene	39.2	10	ng	50.0		78.5	70-130			
Naphthalene	48.5	25	ng	50.0		97.0	70-130			
1,2,3-Trichlorobenzene	48.4	10	ng	50.0		96.9	70-130			
2-Methylnaphthalene	51.5	25	ng	50.0		103	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	52.4		ng	50.0		105	70-130			
<i>Surrogate: Toluene-d8</i>	54.8		ng	50.0		110	70-130			
<i>Surrogate: Bromofluorobenzene</i>	52.2		ng	50.0		104	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23K004 - Instrument: K System - File ID: Ka23110213.D

B23K004-CCB1 (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	<5	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<5	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>108</i>		<i>ng</i>	<i>100</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>102</i>		<i>ng</i>	<i>100</i>		<i>102</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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TO-17 (Passive) - LCS/LCSD RPD Quality Control Summary

LCS: 23K0003-BS1 File ID: Ka23110202.D
LCSD: B23K004-ICV1 File ID: Ka23110204.D

Analyzed: 11/2/23 9:25
Analyzed: 11/2/23 8:35

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	52.30	104.6		50	55.57	111.00	70-130	6.06	30	
1,1-Dichloroethene	75-35-4	50.05	100.1		50	50.21	100.00	70-130	0.32	30	
Methylene Chloride	75-09-2	56.35	112.7		50	54.64	109.00	70-130	3.08	30	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	49.42	98.84		50	49.7	99.40	70-130	0.56	30	
trans-1,2-Dichloroethene	156-60-5	54.33	108.66		50	53.83	108.00	70-130	0.92	30	
Methyl-t-butyl ether	1634-04-4	49.66	99.32		50	48.35	96.70	70-130	2.67	30	
1,1-Dichloroethane	75-34-3	52.96	105.92		50	52.73	105.00	70-130	0.44	30	
cis-1,2-Dichloroethene	156-59-2	50.59	101.18		50	50.46	101.00	70-130	0.26	30	
Chloroform	67-66-3	50.28	100.56		50	50.08	100.00	70-130	0.40	30	
1,2-Dichloroethane	107-06-2	52.22	104.44		50	52.88	106.00	70-130	1.26	30	
1,1,1-Trichloroethane	71-55-6	48.22	96.44		50	49.88	99.80	70-130	3.38	30	
Carbon Tetrachloride	56-23-5	49.75	99.5		50	51.87	104.00	70-130	4.17	30	
Benzene	71-43-2	42.67	85.34		50	46.95	93.90	70-130	9.55	30	
Trichloroethene	79-01-6	47.64	95.28		50	48.74	97.50	70-130	2.28	30	
1,4-Dioxane	123-91-1	46.93	93.86		50	45.31	90.60	70-130	3.51	30	
1,1,2-Trichloroethane	79-00-5	48.37	96.74		50	49.58	99.20	70-130	2.47	30	
Toluene	108-88-3	58.46	116.92		50	58.77	118.00	70-130	0.53	30	
1,2-Dibromoethane (EDB)	106-93-4	54.05	108.1		50	54.1	108.00	70-130	0.09	30	
Tetrachloroethene	127-18-4	50.24	100.48		50	50.35	101.00	70-130	0.22	30	
1,1,1,2-Tetrachloroethane	630-20-6	48.37	96.74		50	50.16	100.00	70-130	3.63	30	
Chlorobenzene	108-90-7	48.83	97.66		50	48.9	97.80	70-130	0.14	30	
Ethylbenzene	100-41-4	53.83	107.66		50	54.46	109.00	70-130	1.16	30	
p & m-Xylene	179601-23-1	55.12	110.24		50	55.91	112.00	70-130	1.42	30	
o-Xylene	95-47-6	55.91	111.82		50	53.15	106.00	70-130	5.06	30	
1,2,3-Trichloropropane	96-18-4	51.60	103.2		50	52.65	105.00	70-130	2.01	30	
Isopropylbenzene	98-82-8	51.47	102.94		50	51.92	104.00	70-130	0.87	30	
1,3,5-Trimethylbenzene	108-67-8	51.64	103.28		50	52.84	106.00	70-130	2.30	30	
1,2,4-Trimethylbenzene	95-63-6	48.15	96.3		50	49.3	98.60	70-130	2.36	30	
1,3-Dichlorobenzene	541-73-1	47.60	95.2		50	49.88	99.80	70-130	4.68	30	
1,4-Dichlorobenzene	106-46-7	47.49	94.98		50	49.81	99.60	70-130	4.77	30	
1,2-Dichlorobenzene	95-50-1	47.17	94.34		50	47.78	95.60	70-130	1.28	30	
1,2,4-Trichlorobenzene	120-82-1	36.96	73.92		50	39.93	79.90	70-130	7.73	30	
Naphthalene	91-20-3	44.72	89.44		50	47.1	94.20	70-130	5.18	30	
1,2,3-Trichlorobenzene	87-61-6	44.63	89.26		50	47.16	94.30	70-130	5.51	30	
2-Methylnaphthalene	91-57-6	47.32	94.64		50	47.1	94.20	70-130	0.47	30	

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Additional QC Information

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007275-01 **Sample Name:** 09R_SSG_06_20231018 **̄ Temp (°C):** 15.56

Vinyl Chloride	11,392	1.00	0.808	63.87	6.93	Ka23110207.D
1,1-Dichloroethene	11,392	1.00	0.329	156.46	41.7	Ka23110207.D
Methylene Chloride	11,392	1.00	0.349 ^g	34.01	8.55	Ka23110207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	11,392	1.00	0.888 ^g	U	U	Ka23110207.D
trans-1,2-Dichloroethene	11,392	1.00	0.439	77.33	15.5	Ka23110207.D
Methyl-t-butyl ether	11,392	1.00	0.499 ^g	U	U	Ka23110207.D
1,1-Dichloroethane	11,392	1.00	0.848	149.57	15.5	Ka23110207.D
cis-1,2-Dichloroethene	11,392	1.00	0.529	643.23	107	Ka23110207.D
Chloroform	11,392	1.00	0.349 ^g	132.42	33.3	Ka23110207.D
1,2-Dichloroethane	11,392	1.00	0.559	U	U	Ka23110207.D
1,1,1-Trichloroethane	11,392	1.00	1.048	249.80	20.9	Ka23110207.D
Carbon Tetrachloride	11,392	1.00	0.429 ^g	U	U	Ka23110207.D
Benzene	11,392	1.00	0.529	79.64	13.2	Ka23110207.D
Trichloroethene	11,392	1.00	0.329	3529.58	941	Ka23110207.D
1,4-Dioxane	11,392	1.00	0.409 ^g	37.71	8.09	Ka23110207.D
1,1,2-Trichloroethane	11,392	1.00	0.329 ^g	U	U	Ka23110207.D
Toluene	11,392	1.00	0.399	102.24	22.5	Ka23110207.D
1,2-Dibromoethane (EDB)	11,392	1.00	0.389 ^g	U	U	Ka23110207.D
Tetrachloroethene	11,392	1.00	0.409	36.64	7.86	Ka23110207.D
1,1,1,2-Tetrachloroethane	11,392	1.00	0.409 ^g	U	U	Ka23110207.D
Chlorobenzene	11,392	1.00	0.848 ^g	U	U	Ka23110207.D
Ethylbenzene	11,392	1.00	0.848	36.63	3.79	Ka23110207.D
p & m-Xylene	11,392	1.00	0.878	54.32	5.43	Ka23110207.D
o-Xylene	11,392	1.00	0.878	33.55	3.35	Ka23110207.D
1,2,3-Trichloropropane	11,392	1.00	0.749 ^g	U	U	Ka23110207.D
Isopropylbenzene	11,392	1.00	0.828 ^g	U	U	Ka23110207.D
1,3,5-Trimethylbenzene	11,392	1.00	0.828 ^g	U	U	Ka23110207.D
1,2,4-Trimethylbenzene	11,392	1.00	0.828 ^g	U	U	Ka23110207.D
1,3-Dichlorobenzene	11,392	1.00	0.749 ^g	U	U	Ka23110207.D
1,4-Dichlorobenzene	11,392	1.00	0.749 ^g	U	U	Ka23110207.D
1,2-Dichlorobenzene	11,392	1.00	0.749 ^g	145.57	17.1	Ka23110207.D
1,2,4-Trichlorobenzene	11,392	1.00	0.389 ^g	U	U	Ka23110207.D
Naphthalene	11,392	1.00	0.798 ^g	U	U	Ka23110207.D
1,2,3-Trichlorobenzene	11,392	1.00	0.389 ^g	U	U	Ka23110207.D
2-Methylnaphthalene	11,392	1.00	0.759 ^g	U	U	Ka23110207.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007275-02 **Sample Name:** 09R_SSG_15_20231018 **̄ Temp (°C):** 15.56

Vinyl Chloride	11,207	1.00	0.808	U	U	Ka23110208.D
1,1-Dichloroethene	11,207	1.00	0.329	U	U	Ka23110208.D
Methylene Chloride	11,207	1.00	0.349 ^g	23.98	6.13	Ka23110208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	11,207	1.00	0.888 ^g	U	U	Ka23110208.D
trans-1,2-Dichloroethene	11,207	1.00	0.439	U	U	Ka23110208.D
Methyl-t-butyl ether	11,207	1.00	0.499 ^g	U	U	Ka23110208.D
1,1-Dichloroethane	11,207	1.00	0.848	U	U	Ka23110208.D
cis-1,2-Dichloroethene	11,207	1.00	0.529	13.31	2.25	Ka23110208.D
Chloroform	11,207	1.00	0.349 ^g	53.67	13.7	Ka23110208.D
1,2-Dichloroethane	11,207	1.00	0.559	U	U	Ka23110208.D
1,1,1-Trichloroethane	11,207	1.00	1.048	U	U	Ka23110208.D
Carbon Tetrachloride	11,207	1.00	0.429 ^g	U	U	Ka23110208.D
Benzene	11,207	1.00	0.529	28.00	4.72	Ka23110208.D
Trichloroethene	11,207	1.00	0.329	72.13	19.5	Ka23110208.D
1,4-Dioxane	11,207	1.00	0.409 ^g	291.43	63.5	Ka23110208.D
1,1,2-Trichloroethane	11,207	1.00	0.329 ^g	U	U	Ka23110208.D
Toluene	11,207	1.00	0.399	U	U	Ka23110208.D
1,2-Dibromoethane (EDB)	11,207	1.00	0.389 ^g	U	U	Ka23110208.D
Tetrachloroethene	11,207	1.00	0.409	U	U	Ka23110208.D
1,1,1,2-Tetrachloroethane	11,207	1.00	0.409 ^g	U	U	Ka23110208.D
Chlorobenzene	11,207	1.00	0.848 ^g	U	U	Ka23110208.D
Ethylbenzene	11,207	1.00	0.848	U	U	Ka23110208.D
p & m-Xylene	11,207	1.00	0.878	49.55	5.03	Ka23110208.D
o-Xylene	11,207	1.00	0.878	28.60	2.91	Ka23110208.D
1,2,3-Trichloropropane	11,207	1.00	0.749 ^g	U	U	Ka23110208.D
Isopropylbenzene	11,207	1.00	0.828 ^g	U	U	Ka23110208.D
1,3,5-Trimethylbenzene	11,207	1.00	0.828 ^g	U	U	Ka23110208.D
1,2,4-Trimethylbenzene	11,207	1.00	0.828 ^g	U	U	Ka23110208.D
1,3-Dichlorobenzene	11,207	1.00	0.749 ^g	U	U	Ka23110208.D
1,4-Dichlorobenzene	11,207	1.00	0.749 ^g	U	U	Ka23110208.D
1,2-Dichlorobenzene	11,207	1.00	0.749 ^g	37.57	4.48	Ka23110208.D
1,2,4-Trichlorobenzene	11,207	1.00	0.389 ^g	U	U	Ka23110208.D
Naphthalene	11,207	1.00	0.798 ^g	U	U	Ka23110208.D
1,2,3-Trichlorobenzene	11,207	1.00	0.389 ^g	U	U	Ka23110208.D
2-Methylnaphthalene	11,207	1.00	0.759 ^g	U	U	Ka23110208.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007275-03	Sample Name: 09R_SSG_22_20231018	̄ Temp (°C): 15.56
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Vinyl Chloride	10,128	1.00	0.808	U	U	Ka23110209.D
1,1-Dichloroethene	10,128	1.00	0.329	U	U	Ka23110209.D
Methylene Chloride	10,128	1.00	0.349 ^g	U	U	Ka23110209.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,128	1.00	0.888 ^g	U	U	Ka23110209.D
trans-1,2-Dichloroethene	10,128	1.00	0.439	12.62	2.84	Ka23110209.D
Methyl-t-butyl ether	10,128	1.00	0.499 ^g	U	U	Ka23110209.D
1,1-Dichloroethane	10,128	1.00	0.848	19.23	2.24	Ka23110209.D
cis-1,2-Dichloroethene	10,128	1.00	0.529	104.32	19.5	Ka23110209.D
Chloroform	10,128	1.00	0.349 ^g	29.44	8.32	Ka23110209.D
1,2-Dichloroethane	10,128	1.00	0.559	U	U	Ka23110209.D
1,1,1-Trichloroethane	10,128	1.00	1.048	39.13	3.69	Ka23110209.D
Carbon Tetrachloride	10,128	1.00	0.429 ^g	U	U	Ka23110209.D
Benzene	10,128	1.00	0.529	U	U	Ka23110209.D
Trichloroethene	10,128	1.00	0.329	286.77	86.0	Ka23110209.D
1,4-Dioxane	10,128	1.00	0.409 ^g	21.28	5.13	Ka23110209.D
1,1,2-Trichloroethane	10,128	1.00	0.329 ^g	U	U	Ka23110209.D
Toluene	10,128	1.00	0.399	U	U	Ka23110209.D
1,2-Dibromoethane (EDB)	10,128	1.00	0.389 ^g	U	U	Ka23110209.D
Tetrachloroethene	10,128	1.00	0.409	U	U	Ka23110209.D
1,1,1,2-Tetrachloroethane	10,128	1.00	0.409 ^g	U	U	Ka23110209.D
Chlorobenzene	10,128	1.00	0.848 ^g	U	U	Ka23110209.D
Ethylbenzene	10,128	1.00	0.848	U	U	Ka23110209.D
p & m-Xylene	10,128	1.00	0.878	U	U	Ka23110209.D
o-Xylene	10,128	1.00	0.878	U	U	Ka23110209.D
1,2,3-Trichloropropane	10,128	1.00	0.749 ^g	U	U	Ka23110209.D
Isopropylbenzene	10,128	1.00	0.828 ^g	U	U	Ka23110209.D
1,3,5-Trimethylbenzene	10,128	1.00	0.828 ^g	U	U	Ka23110209.D
1,2,4-Trimethylbenzene	10,128	1.00	0.828 ^g	U	U	Ka23110209.D
1,3-Dichlorobenzene	10,128	1.00	0.749 ^g	U	U	Ka23110209.D
1,4-Dichlorobenzene	10,128	1.00	0.749 ^g	U	U	Ka23110209.D
1,2-Dichlorobenzene	10,128	1.00	0.749 ^g	23.46	3.09	Ka23110209.D
1,2,4-Trichlorobenzene	10,128	1.00	0.389 ^g	U	U	Ka23110209.D
Naphthalene	10,128	1.00	0.798 ^g	U	U	Ka23110209.D
1,2,3-Trichlorobenzene	10,128	1.00	0.389 ^g	U	U	Ka23110209.D
2-Methylnaphthalene	10,128	1.00	0.759 ^g	U	U	Ka23110209.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007275-04	Sample Name: 09R_SSG_23_20231018	̄ Temp (°C): 15.56
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Vinyl Chloride	10,108	1.00	0.808	U	U	Ka23110210.D
1,1-Dichloroethene	10,108	1.00	0.329	U	U	Ka23110210.D
Methylene Chloride	10,108	1.00	0.349 ^g	U	U	Ka23110210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,108	1.00	0.888 ^g	U	U	Ka23110210.D
trans-1,2-Dichloroethene	10,108	1.00	0.439	U	U	Ka23110210.D
Methyl-t-butyl ether	10,108	1.00	0.499 ^g	U	U	Ka23110210.D
1,1-Dichloroethane	10,108	1.00	0.848	U	U	Ka23110210.D
cis-1,2-Dichloroethene	10,108	1.00	0.529	U	U	Ka23110210.D
Chloroform	10,108	1.00	0.349 ^g	U	U	Ka23110210.D
1,2-Dichloroethane	10,108	1.00	0.559	U	U	Ka23110210.D
1,1,1-Trichloroethane	10,108	1.00	1.048	U	U	Ka23110210.D
Carbon Tetrachloride	10,108	1.00	0.429 ^g	U	U	Ka23110210.D
Benzene	10,108	1.00	0.529	U	U	Ka23110210.D
Trichloroethene	10,108	1.00	0.329	U	U	Ka23110210.D
1,4-Dioxane	10,108	1.00	0.409 ^g	U	U	Ka23110210.D
1,1,2-Trichloroethane	10,108	1.00	0.329 ^g	U	U	Ka23110210.D
Toluene	10,108	1.00	0.399	U	U	Ka23110210.D
1,2-Dibromoethane (EDB)	10,108	1.00	0.389 ^g	U	U	Ka23110210.D
Tetrachloroethene	10,108	1.00	0.409	U	U	Ka23110210.D
1,1,1,2-Tetrachloroethane	10,108	1.00	0.409 ^g	U	U	Ka23110210.D
Chlorobenzene	10,108	1.00	0.848 ^g	U	U	Ka23110210.D
Ethylbenzene	10,108	1.00	0.848	U	U	Ka23110210.D
p & m-Xylene	10,108	1.00	0.878	U	U	Ka23110210.D
o-Xylene	10,108	1.00	0.878	U	U	Ka23110210.D
1,2,3-Trichloropropane	10,108	1.00	0.749 ^g	U	U	Ka23110210.D
Isopropylbenzene	10,108	1.00	0.828 ^g	U	U	Ka23110210.D
1,3,5-Trimethylbenzene	10,108	1.00	0.828 ^g	U	U	Ka23110210.D
1,2,4-Trimethylbenzene	10,108	1.00	0.828 ^g	U	U	Ka23110210.D
1,3-Dichlorobenzene	10,108	1.00	0.749 ^g	U	U	Ka23110210.D
1,4-Dichlorobenzene	10,108	1.00	0.749 ^g	U	U	Ka23110210.D
1,2-Dichlorobenzene	10,108	1.00	0.749 ^g	U	U	Ka23110210.D
1,2,4-Trichlorobenzene	10,108	1.00	0.389 ^g	U	U	Ka23110210.D
Naphthalene	10,108	1.00	0.798 ^g	U	U	Ka23110210.D
1,2,3-Trichlorobenzene	10,108	1.00	0.389 ^g	U	U	Ka23110210.D
2-Methylnaphthalene	10,108	1.00	0.759 ^g	U	U	Ka23110210.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007275-05	Sample Name: 09R_SSG_28_20231018	̄ Temp (°C): 15.56
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Vinyl Chloride	10,036	1.00	0.808	41.47	5.11	Ka23110211.D
1,1-Dichloroethene	10,036	1.00	0.329	109.72	33.2	Ka23110211.D
Methylene Chloride	10,036	1.00	0.349 ^g	U	U	Ka23110211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,036	1.00	0.888 ^g	U	U	Ka23110211.D
trans-1,2-Dichloroethene	10,036	1.00	0.439	45.27	10.3	Ka23110211.D
Methyl-t-butyl ether	10,036	1.00	0.499 ^g	U	U	Ka23110211.D
1,1-Dichloroethane	10,036	1.00	0.848	59.66	7.01	Ka23110211.D
cis-1,2-Dichloroethene	10,036	1.00	0.529	295.33	55.6	Ka23110211.D
Chloroform	10,036	1.00	0.349 ^g	19.14	5.46	Ka23110211.D
1,2-Dichloroethane	10,036	1.00	0.559	U	U	Ka23110211.D
1,1,1-Trichloroethane	10,036	1.00	1.048	219.77	20.9	Ka23110211.D
Carbon Tetrachloride	10,036	1.00	0.429 ^g	U	U	Ka23110211.D
Benzene	10,036	1.00	0.529	30.33	5.71	Ka23110211.D
Trichloroethene	10,036	1.00	0.329	2680.14	811	Ka23110211.D
1,4-Dioxane	10,036	1.00	0.409 ^g	139.82	34.0	Ka23110211.D
1,1,2-Trichloroethane	10,036	1.00	0.329 ^g	U	U	Ka23110211.D
Toluene	10,036	1.00	0.399	U	U	Ka23110211.D
1,2-Dibromoethane (EDB)	10,036	1.00	0.389 ^g	U	U	Ka23110211.D
Tetrachloroethene	10,036	1.00	0.409	15.49	3.77	Ka23110211.D
1,1,1,2-Tetrachloroethane	10,036	1.00	0.409 ^g	U	U	Ka23110211.D
Chlorobenzene	10,036	1.00	0.848 ^g	U	U	Ka23110211.D
Ethylbenzene	10,036	1.00	0.848	U	U	Ka23110211.D
p & m-Xylene	10,036	1.00	0.878	U	U	Ka23110211.D
o-Xylene	10,036	1.00	0.878	U	U	Ka23110211.D
1,2,3-Trichloropropane	10,036	1.00	0.749 ^g	U	U	Ka23110211.D
Isopropylbenzene	10,036	1.00	0.828 ^g	U	U	Ka23110211.D
1,3,5-Trimethylbenzene	10,036	1.00	0.828 ^g	U	U	Ka23110211.D
1,2,4-Trimethylbenzene	10,036	1.00	0.828 ^g	U	U	Ka23110211.D
1,3-Dichlorobenzene	10,036	1.00	0.749 ^g	U	U	Ka23110211.D
1,4-Dichlorobenzene	10,036	1.00	0.749 ^g	U	U	Ka23110211.D
1,2-Dichlorobenzene	10,036	1.00	0.749 ^g	78.70	10.5	Ka23110211.D
1,2,4-Trichlorobenzene	10,036	1.00	0.389 ^g	U	U	Ka23110211.D
Naphthalene	10,036	1.00	0.798 ^g	U	U	Ka23110211.D
1,2,3-Trichlorobenzene	10,036	1.00	0.389 ^g	U	U	Ka23110211.D
2-Methylnaphthalene	10,036	1.00	0.759 ^g	U	U	Ka23110211.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751**Site Name:** Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause**Beacon Proposal:** 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Calculations:

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

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

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

Note: T_u is 16.65°C

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

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

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R02 Lab Work Order: 0007275 Reported: 11/09/2023
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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 LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007275-01	Sample Name: 09R_SSG_06_20231018	̄ Temp (°C): 15.56
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Vinyl Chloride	11,392	1.00	0.808	10.0	1.09
1,1-Dichloroethene	11,392	1.00	0.329	10.0	2.67
Methylene Chloride	11,392	1.00	0.349 §	10.0	2.51
1,1,2-Trichlorotrifluoroethane (Fr.113)	11,392	1.00	0.888 §	10.0	0.988
trans-1,2-Dichloroethene	11,392	1.00	0.439	10.0	2.00
Methyl-t-butyl ether	11,392	1.00	0.499 §	25.0	4.40
1,1-Dichloroethane	11,392	1.00	0.848	10.0	1.03
cis-1,2-Dichloroethene	11,392	1.00	0.529	10.0	1.66
Chloroform	11,392	1.00	0.349 §	10.0	2.51
1,2-Dichloroethane	11,392	1.00	0.559	10.0	1.57
1,1,1-Trichloroethane	11,392	1.00	1.048	10.0	0.838
Carbon Tetrachloride	11,392	1.00	0.429 §	10.0	2.05
Benzene	11,392	1.00	0.529	25.0	4.15
Trichloroethene	11,392	1.00	0.329	10.0	2.67
1,4-Dioxane	11,392	1.00	0.409 §	10.0	2.15
1,1,2-Trichloroethane	11,392	1.00	0.329 §	10.0	2.67
Toluene	11,392	1.00	0.399	25.0	5.50
1,2-Dibromoethane (EDB)	11,392	1.00	0.389 §	10.0	2.26
Tetrachloroethene	11,392	1.00	0.409	10.0	2.15
1,1,1,2-Tetrachloroethane	11,392	1.00	0.409 §	10.0	2.15
Chlorobenzene	11,392	1.00	0.848 §	10.0	1.03
Ethylbenzene	11,392	1.00	0.848	25.0	2.59
p & m-Xylene	11,392	1.00	0.878	25.0	2.50
o-Xylene	11,392	1.00	0.878	25.0	2.50
1,2,3-Trichloropropane	11,392	1.00	0.749 §	10.0	1.17
Isopropylbenzene	11,392	1.00	0.828 §	25.0	2.65
1,3,5-Trimethylbenzene	11,392	1.00	0.828 §	25.0	2.65
1,2,4-Trimethylbenzene	11,392	1.00	0.828 §	25.0	2.65
1,3-Dichlorobenzene	11,392	1.00	0.749 §	10.0	1.17
1,4-Dichlorobenzene	11,392	1.00	0.749 §	10.0	1.17
1,2-Dichlorobenzene	11,392	1.00	0.749 §	10.0	1.17
1,2,4-Trichlorobenzene	11,392	1.00	0.389 §	10.0	2.26
Naphthalene	11,392	1.00	0.798 §	25.0	2.75
1,2,3-Trichlorobenzene	11,392	1.00	0.389 §	10.0	2.26
2-Methylnaphthalene	11,392	1.00	0.759 §	25.0	2.89

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007275-02 **Sample Name:** 09R_SSG_15_20231018 **̄ Temp (°C):** 15.56

Vinyl Chloride	11,207	1.00	0.808	10.0	1.10
1,1-Dichloroethene	11,207	1.00	0.329	10.0	2.71
Methylene Chloride	11,207	1.00	0.349 §	10.0	2.55
1,1,2-Trichlorotrifluoroethane (Fr.113)	11,207	1.00	0.888 §	10.0	1.00
trans-1,2-Dichloroethene	11,207	1.00	0.439	10.0	2.03
Methyl-t-butyl ether	11,207	1.00	0.499 §	25.0	4.47
1,1-Dichloroethane	11,207	1.00	0.848	10.0	1.05
cis-1,2-Dichloroethene	11,207	1.00	0.529	10.0	1.69
Chloroform	11,207	1.00	0.349 §	10.0	2.55
1,2-Dichloroethane	11,207	1.00	0.559	10.0	1.60
1,1,1-Trichloroethane	11,207	1.00	1.048	10.0	0.851
Carbon Tetrachloride	11,207	1.00	0.429 §	10.0	2.08
Benzene	11,207	1.00	0.529	25.0	4.22
Trichloroethene	11,207	1.00	0.329	10.0	2.71
1,4-Dioxane	11,207	1.00	0.409 §	10.0	2.18
1,1,2-Trichloroethane	11,207	1.00	0.329 §	10.0	2.71
Toluene	11,207	1.00	0.399	25.0	5.59
1,2-Dibromoethane (EDB)	11,207	1.00	0.389 §	10.0	2.29
Tetrachloroethene	11,207	1.00	0.409	10.0	2.18
1,1,1,2-Tetrachloroethane	11,207	1.00	0.409 §	10.0	2.18
Chlorobenzene	11,207	1.00	0.848 §	10.0	1.05
Ethylbenzene	11,207	1.00	0.848	25.0	2.63
p & m-Xylene	11,207	1.00	0.878	25.0	2.54
o-Xylene	11,207	1.00	0.878	25.0	2.54
1,2,3-Trichloropropane	11,207	1.00	0.749 §	10.0	1.19
Isopropylbenzene	11,207	1.00	0.828 §	25.0	2.69
1,3,5-Trimethylbenzene	11,207	1.00	0.828 §	25.0	2.69
1,2,4-Trimethylbenzene	11,207	1.00	0.828 §	25.0	2.69
1,3-Dichlorobenzene	11,207	1.00	0.749 §	10.0	1.19
1,4-Dichlorobenzene	11,207	1.00	0.749 §	10.0	1.19
1,2-Dichlorobenzene	11,207	1.00	0.749 §	10.0	1.19
1,2,4-Trichlorobenzene	11,207	1.00	0.389 §	10.0	2.29
Naphthalene	11,207	1.00	0.798 §	25.0	2.79
1,2,3-Trichlorobenzene	11,207	1.00	0.389 §	10.0	2.29
2-Methylnaphthalene	11,207	1.00	0.759 §	25.0	2.94

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007275-03 **Sample Name:** 09R_SSG_22_20231018 **̄ Temp (°C):** 15.56

Vinyl Chloride	10,128	1.00	0.808	10.0	1.22
1,1-Dichloroethene	10,128	1.00	0.329	10.0	3.00
Methylene Chloride	10,128	1.00	0.349 §	10.0	2.83
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,128	1.00	0.888 §	10.0	1.11
trans-1,2-Dichloroethene	10,128	1.00	0.439	10.0	2.25
Methyl-t-butyl ether	10,128	1.00	0.499 §	25.0	4.95
1,1-Dichloroethane	10,128	1.00	0.848	10.0	1.16
cis-1,2-Dichloroethene	10,128	1.00	0.529	10.0	1.87
Chloroform	10,128	1.00	0.349 §	10.0	2.83
1,2-Dichloroethane	10,128	1.00	0.559	10.0	1.77
1,1,1-Trichloroethane	10,128	1.00	1.048	10.0	0.942
Carbon Tetrachloride	10,128	1.00	0.429 §	10.0	2.30
Benzene	10,128	1.00	0.529	25.0	4.67
Trichloroethene	10,128	1.00	0.329	10.0	3.00
1,4-Dioxane	10,128	1.00	0.409 §	10.0	2.41
1,1,2-Trichloroethane	10,128	1.00	0.329 §	10.0	3.00
Toluene	10,128	1.00	0.399	25.0	6.18
1,2-Dibromoethane (EDB)	10,128	1.00	0.389 §	10.0	2.54
Tetrachloroethene	10,128	1.00	0.409	10.0	2.41
1,1,1,2-Tetrachloroethane	10,128	1.00	0.409 §	10.0	2.41
Chlorobenzene	10,128	1.00	0.848 §	10.0	1.16
Ethylbenzene	10,128	1.00	0.848	25.0	2.91
p & m-Xylene	10,128	1.00	0.878	25.0	2.81
o-Xylene	10,128	1.00	0.878	25.0	2.81
1,2,3-Trichloropropane	10,128	1.00	0.749 §	10.0	1.32
Isopropylbenzene	10,128	1.00	0.828 §	25.0	2.98
1,3,5-Trimethylbenzene	10,128	1.00	0.828 §	25.0	2.98
1,2,4-Trimethylbenzene	10,128	1.00	0.828 §	25.0	2.98
1,3-Dichlorobenzene	10,128	1.00	0.749 §	10.0	1.32
1,4-Dichlorobenzene	10,128	1.00	0.749 §	10.0	1.32
1,2-Dichlorobenzene	10,128	1.00	0.749 §	10.0	1.32
1,2,4-Trichlorobenzene	10,128	1.00	0.389 §	10.0	2.54
Naphthalene	10,128	1.00	0.798 §	25.0	3.09
1,2,3-Trichlorobenzene	10,128	1.00	0.389 §	10.0	2.54
2-Methylnaphthalene	10,128	1.00	0.759 §	25.0	3.25

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007275-04

Sample Name: 09R_SSG_23_20231018

̄ Temp (°C): 15.56

Vinyl Chloride	10,108	1.00	0.808	10.0	1.22
1,1-Dichloroethene	10,108	1.00	0.329	10.0	3.00
Methylene Chloride	10,108	1.00	0.349 ^g	10.0	2.83
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,108	1.00	0.888 ^g	10.0	1.11
trans-1,2-Dichloroethene	10,108	1.00	0.439	10.0	2.25
Methyl-t-butyl ether	10,108	1.00	0.499 ^g	25.0	4.96
1,1-Dichloroethane	10,108	1.00	0.848	10.0	1.17
cis-1,2-Dichloroethene	10,108	1.00	0.529	10.0	1.87
Chloroform	10,108	1.00	0.349 ^g	10.0	2.83
1,2-Dichloroethane	10,108	1.00	0.559	10.0	1.77
1,1,1-Trichloroethane	10,108	1.00	1.048	10.0	0.944
Carbon Tetrachloride	10,108	1.00	0.429 ^g	10.0	2.31
Benzene	10,108	1.00	0.529	25.0	4.68
Trichloroethene	10,108	1.00	0.329	10.0	3.00
1,4-Dioxane	10,108	1.00	0.409 ^g	10.0	2.42
1,1,2-Trichloroethane	10,108	1.00	0.329 ^g	10.0	3.00
Toluene	10,108	1.00	0.399	25.0	6.19
1,2-Dibromoethane (EDB)	10,108	1.00	0.389 ^g	10.0	2.54
Tetrachloroethene	10,108	1.00	0.409	10.0	2.42
1,1,1,2-Tetrachloroethane	10,108	1.00	0.409 ^g	10.0	2.42
Chlorobenzene	10,108	1.00	0.848 ^g	10.0	1.17
Ethylbenzene	10,108	1.00	0.848	25.0	2.92
p & m-Xylene	10,108	1.00	0.878	25.0	2.82
o-Xylene	10,108	1.00	0.878	25.0	2.82
1,2,3-Trichloropropane	10,108	1.00	0.749 ^g	10.0	1.32
Isopropylbenzene	10,108	1.00	0.828 ^g	25.0	2.99
1,3,5-Trimethylbenzene	10,108	1.00	0.828 ^g	25.0	2.99
1,2,4-Trimethylbenzene	10,108	1.00	0.828 ^g	25.0	2.99
1,3-Dichlorobenzene	10,108	1.00	0.749 ^g	10.0	1.32
1,4-Dichlorobenzene	10,108	1.00	0.749 ^g	10.0	1.32
1,2-Dichlorobenzene	10,108	1.00	0.749 ^g	10.0	1.32
1,2,4-Trichlorobenzene	10,108	1.00	0.389 ^g	10.0	2.54
Naphthalene	10,108	1.00	0.798 ^g	25.0	3.10
1,2,3-Trichlorobenzene	10,108	1.00	0.389 ^g	10.0	2.54
2-Methylnaphthalene	10,108	1.00	0.759 ^g	25.0	3.26

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007275-05 **Sample Name:** 09R_SSG_28_20231018 **̄ Temp (°C):** 15.56

Vinyl Chloride	10,036	1.00	0.808	10.0	1.23
1,1-Dichloroethene	10,036	1.00	0.329	10.0	3.03
Methylene Chloride	10,036	1.00	0.349 §	10.0	2.85
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,036	1.00	0.888 §	10.0	1.12
trans-1,2-Dichloroethene	10,036	1.00	0.439	10.0	2.27
Methyl-t-butyl ether	10,036	1.00	0.499 §	25.0	4.99
1,1-Dichloroethane	10,036	1.00	0.848	10.0	1.17
cis-1,2-Dichloroethene	10,036	1.00	0.529	10.0	1.88
Chloroform	10,036	1.00	0.349 §	10.0	2.85
1,2-Dichloroethane	10,036	1.00	0.559	10.0	1.78
1,1,1-Trichloroethane	10,036	1.00	1.048	10.0	0.951
Carbon Tetrachloride	10,036	1.00	0.429 §	10.0	2.32
Benzene	10,036	1.00	0.529	25.0	4.71
Trichloroethene	10,036	1.00	0.329	10.0	3.03
1,4-Dioxane	10,036	1.00	0.409 §	10.0	2.43
1,1,2-Trichloroethane	10,036	1.00	0.329 §	10.0	3.03
Toluene	10,036	1.00	0.399	25.0	6.24
1,2-Dibromoethane (EDB)	10,036	1.00	0.389 §	10.0	2.56
Tetrachloroethene	10,036	1.00	0.409	10.0	2.43
1,1,1,2-Tetrachloroethane	10,036	1.00	0.409 §	10.0	2.43
Chlorobenzene	10,036	1.00	0.848 §	10.0	1.17
Ethylbenzene	10,036	1.00	0.848	25.0	2.94
p & m-Xylene	10,036	1.00	0.878	25.0	2.84
o-Xylene	10,036	1.00	0.878	25.0	2.84
1,2,3-Trichloropropane	10,036	1.00	0.749 §	10.0	1.33
Isopropylbenzene	10,036	1.00	0.828 §	25.0	3.01
1,3,5-Trimethylbenzene	10,036	1.00	0.828 §	25.0	3.01
1,2,4-Trimethylbenzene	10,036	1.00	0.828 §	25.0	3.01
1,3-Dichlorobenzene	10,036	1.00	0.749 §	10.0	1.33
1,4-Dichlorobenzene	10,036	1.00	0.749 §	10.0	1.33
1,2-Dichlorobenzene	10,036	1.00	0.749 §	10.0	1.33
1,2,4-Trichlorobenzene	10,036	1.00	0.389 §	10.0	2.56
Naphthalene	10,036	1.00	0.798 §	25.0	3.12
1,2,3-Trichlorobenzene	10,036	1.00	0.389 §	10.0	2.56
2-Methylnaphthalene	10,036	1.00	0.759 §	25.0	3.28

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

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: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Qualifiers/Notes and Definitions

General Definitions:

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

Sample/Sample Receipt Qualifiers and Notes:

AI2	Quantifying Internal Standard recovery below laboratory and method acceptance limits, result value biased high.
I3	Internal Standard recovery was below laboratory and method acceptance limits, associated results with detections associated with this internal standard are biased high.

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R02
Lab Work Order: 0007275
Reported: 11/09/2023

Sample Management Records

Client Information		Project Manager: <u>Rob Langdon</u>		Client PO: <u>25222269-05</u>		INDOOR AIR	AMBIENT AIR	CRAWL SPACE	SEWER GAS				
Company: <u>SCS Engineers</u>		Project Name: <u>WDNR VEEC Phoenix Heights</u>		Turn around time (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush (specify) ___ days									
Address: <u>2830 Dairy Dr.</u>		Location: <u>Waukesha, WI</u>		Analysis: <input checked="" type="checkbox"/> Method TO-17 <input type="checkbox"/> Method 8260C									
City / State / Zip: <u>Madison, WI, 53718</u>		Submitted by: <u>Jacob Krause</u>		Email: <u>jkrause jkrause@scsengineers.com</u>									
Phone: <u>608 224 2830</u>		Start Date		Start Time		Stop Date		Stop Time		Aver Temp (C)		Notes	
<u>09R-SSG-06-20231018</u>		<u>10-10-23</u>		<u>12:32</u>		<u>10-18-23</u>		<u>10:27</u>		<u>60</u>		<u>MH 4078</u>	
<u>09R-SSG-15-20231018</u>		<u>10-10-23</u>		<u>15:15</u>		<u>10-18-23</u>		<u>10:02</u>		<u>60</u>		<u>MH 3581</u>	
<u>09R-SSG-22-20231018</u>		<u>10-11-23</u>		<u>09:55</u>		<u>10-18-23</u>		<u>10:43</u>		<u>60</u>		<u>MH 1791</u>	
<u>09R-SSG-23-20231018</u>		<u>10-11-23</u>		<u>10:20</u>		<u>10-18-23</u>		<u>10:48</u>		<u>60</u>		<u>MH 1790</u>	
<u>09R-SSG-28-20231018</u>		<u>10-11-23</u>		<u>11:50</u>		<u>10-18-23</u>		<u>11:06</u>		<u>60</u>		<u>MH 3569</u>	
Special Notes / Instructions:													
Relinquished by (signature): <u>[Signature]</u>		Date / Time: <u>10/30/23 14:52</u>		Received by (signature): <u>Nicko Reif</u>		Date / Time: <u>10/31/23 14:59</u>							
Relinquished by (signature):		Date / Time:		Received by (signature):		Date / Time:							
For Lab Use Only		Beacon Job No: <u>7275</u>		Beacon Proposal: <u>231003R02</u>									
Courier Name: <u>FedEx</u>		Shipment Condition: <u>Good</u>		Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a		Custody Seal No: <u>5722516</u>							



October 20, 2023

Rob Langdon
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25222269.05 PHOENIX
Pace Project No.: 40269525

Dear Rob Langdon:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269525001	MH 3577	Water	10/10/23 13:20	10/13/23 09:15
40269525002	MH 5632	Water	10/11/23 09:23	10/13/23 09:15
40269525003	MH 1791	Water	10/11/23 09:55	10/13/23 09:15
40269525004	MH 1790	Water	10/11/23 10:15	10/13/23 09:15
40269525005	MH 5877	Water	10/11/23 10:42	10/13/23 09:15
40269525006	MH 3595	Water	10/11/23 11:25	10/13/23 09:15
40269525007	MH 3569	Water	10/11/23 11:42	10/13/23 09:15

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SAMPLE ANALYTE COUNT

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40269525001	MH 3577	EPA 8260	EIB	63	PASI-G
40269525002	MH 5632	EPA 8260	EIB	63	PASI-G
40269525003	MH 1791	EPA 8260	EIB	63	PASI-G
40269525004	MH 1790	EPA 8260	EIB	63	PASI-G
40269525005	MH 5877	EPA 8260	EIB	63	PASI-G
40269525006	MH 3595	EPA 8260	EIB	63	PASI-G
40269525007	MH 3569	EPA 8260	EIB	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40269525001	MH 3577					
EPA 8260	Chloroform	2.7J	ug/L	5.0	10/17/23 14:16	
EPA 8260	Chloromethane	2.8J	ug/L	5.0	10/17/23 14:16	
EPA 8260	cis-1,2-Dichloroethene	1.9	ug/L	1.0	10/17/23 14:16	
EPA 8260	Toluene	4.4	ug/L	1.0	10/17/23 14:16	
EPA 8260	1,1,1-Trichloroethane	4.7	ug/L	1.0	10/17/23 14:16	
EPA 8260	Trichloroethene	6.2	ug/L	1.0	10/17/23 14:16	
40269525002	MH 5632					
EPA 8260	Chloroform	4.7J	ug/L	5.0	10/17/23 14:36	
EPA 8260	Chloromethane	2.8J	ug/L	5.0	10/17/23 14:36	
EPA 8260	1,4-Dichlorobenzene	1.4	ug/L	1.0	10/17/23 14:36	
EPA 8260	1,1-Dichloroethane	0.86J	ug/L	1.0	10/17/23 14:36	
EPA 8260	cis-1,2-Dichloroethene	6.2	ug/L	1.0	10/17/23 14:36	
EPA 8260	Toluene	0.60J	ug/L	1.0	10/17/23 14:36	
EPA 8260	1,1,1-Trichloroethane	6.3	ug/L	1.0	10/17/23 14:36	
EPA 8260	Trichloroethene	19.9	ug/L	1.0	10/17/23 14:36	
EPA 8260	Vinyl chloride	1.1	ug/L	1.0	10/17/23 14:36	
40269525003	MH 1791					
EPA 8260	Chloroform	0.87J	ug/L	5.0	10/17/23 14:57	
EPA 8260	1,4-Dichlorobenzene	1.2	ug/L	1.0	10/17/23 14:57	
EPA 8260	1,1-Dichloroethane	1.1	ug/L	1.0	10/17/23 14:57	
EPA 8260	cis-1,2-Dichloroethene	5.4	ug/L	1.0	10/17/23 14:57	
EPA 8260	Toluene	0.39J	ug/L	1.0	10/17/23 14:57	
EPA 8260	1,1,1-Trichloroethane	6.7	ug/L	1.0	10/17/23 14:57	
EPA 8260	Trichloroethene	22.3	ug/L	1.0	10/17/23 14:57	
EPA 8260	Vinyl chloride	1.1	ug/L	1.0	10/17/23 14:57	
40269525004	MH 1790					
EPA 8260	Trichloroethene	0.76J	ug/L	1.0	10/18/23 13:16	
40269525005	MH 5877					
EPA 8260	Chloroform	1.1J	ug/L	5.0	10/17/23 17:35	
EPA 8260	1,4-Dichlorobenzene	1.4	ug/L	1.0	10/17/23 17:35	
EPA 8260	cis-1,2-Dichloroethene	2.4	ug/L	1.0	10/17/23 17:35	
EPA 8260	1,1,1-Trichloroethane	5.1	ug/L	1.0	10/17/23 17:35	
EPA 8260	Trichloroethene	8.8	ug/L	1.0	10/17/23 17:35	
EPA 8260	Vinyl chloride	0.29J	ug/L	1.0	10/17/23 17:35	
40269525006	MH 3595					
EPA 8260	Chloroform	0.56J	ug/L	5.0	10/17/23 17:55	
EPA 8260	1,4-Dichlorobenzene	1.2	ug/L	1.0	10/17/23 17:55	
EPA 8260	cis-1,2-Dichloroethene	5.0	ug/L	1.0	10/17/23 17:55	
EPA 8260	Ethylbenzene	0.69J	ug/L	1.0	10/17/23 17:55	
EPA 8260	Toluene	0.52J	ug/L	1.0	10/17/23 17:55	
EPA 8260	1,1,1-Trichloroethane	4.7	ug/L	1.0	10/17/23 17:55	
EPA 8260	Trichloroethene	7.8	ug/L	1.0	10/17/23 17:55	
EPA 8260	Vinyl chloride	1.2	ug/L	1.0	10/17/23 17:55	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40269525007	MH 3569					
EPA 8260	Chloroform	1.8J	ug/L	5.0	10/17/23 18:16	
EPA 8260	1,4-Dichlorobenzene	1.9	ug/L	1.0	10/17/23 18:16	
EPA 8260	Styrene	0.43J	ug/L	1.0	10/17/23 18:16	
EPA 8260	1,1,1-Trichloroethane	4.4	ug/L	1.0	10/17/23 18:16	
EPA 8260	Trichloroethene	2.5	ug/L	1.0	10/17/23 18:16	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 3577 Lab ID: 40269525001 Collected: 10/10/23 13:20 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 14:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:16	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:16	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 14:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 14:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 14:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 14:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 14:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 14:16	75-00-3	
Chloroform	2.7J	ug/L	5.0	0.50	1		10/17/23 14:16	67-66-3	
Chloromethane	2.8J	ug/L	5.0	1.6	1		10/17/23 14:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 14:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 14:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 14:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 14:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:16	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/17/23 14:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 14:16	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/17/23 14:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 14:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 14:16	75-35-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.47	1		10/17/23 14:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 14:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 14:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 14:16	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:16	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 14:16	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 14:16	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 14:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 14:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 14:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:16	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 14:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:16	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:16	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: **MH 3577** Lab ID: **40269525001** Collected: 10/10/23 13:20 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 14:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:16	127-18-4	
Toluene	4.4	ug/L	1.0	0.29	1		10/17/23 14:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 14:16	120-82-1	
1,1,1-Trichloroethane	4.7	ug/L	1.0	0.30	1		10/17/23 14:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 14:16	79-00-5	
Trichloroethene	6.2	ug/L	1.0	0.32	1		10/17/23 14:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 14:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 14:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/17/23 14:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 14:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/17/23 14:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/17/23 14:16	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/17/23 14:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 5632 Lab ID: 40269525002 Collected: 10/11/23 09:23 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 14:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:36	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:36	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:36	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 14:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 14:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 14:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 14:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 14:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 14:36	75-00-3	
Chloroform	4.7J	ug/L	5.0	0.50	1		10/17/23 14:36	67-66-3	
Chloromethane	2.8J	ug/L	5.0	1.6	1		10/17/23 14:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 14:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 14:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 14:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 14:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:36	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:36	541-73-1	
1,4-Dichlorobenzene	1.4	ug/L	1.0	0.89	1		10/17/23 14:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 14:36	75-71-8	
1,1-Dichloroethane	0.86J	ug/L	1.0	0.30	1		10/17/23 14:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 14:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 14:36	75-35-4	
cis-1,2-Dichloroethene	6.2	ug/L	1.0	0.47	1		10/17/23 14:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 14:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 14:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 14:36	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:36	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 14:36	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 14:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 14:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 14:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 14:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:36	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 14:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:36	100-42-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 5632 Lab ID: 40269525002 Collected: 10/11/23 09:23 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 14:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:36	127-18-4	
Toluene	0.60J	ug/L	1.0	0.29	1		10/17/23 14:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 14:36	120-82-1	
1,1,1-Trichloroethane	6.3	ug/L	1.0	0.30	1		10/17/23 14:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 14:36	79-00-5	
Trichloroethene	19.9	ug/L	1.0	0.32	1		10/17/23 14:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 14:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 14:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:36	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.17	1		10/17/23 14:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 14:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/17/23 14:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/17/23 14:36	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/17/23 14:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 1791 Lab ID: 40269525003 Collected: 10/11/23 09:55 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 14:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:57	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:57	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 14:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 14:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 14:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 14:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 14:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 14:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 14:57	75-00-3	
Chloroform	0.87J	ug/L	5.0	0.50	1		10/17/23 14:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/17/23 14:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 14:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 14:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 14:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 14:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 14:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:57	541-73-1	
1,4-Dichlorobenzene	1.2	ug/L	1.0	0.89	1		10/17/23 14:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 14:57	75-71-8	
1,1-Dichloroethane	1.1	ug/L	1.0	0.30	1		10/17/23 14:57	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 14:57	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 14:57	75-35-4	
cis-1,2-Dichloroethene	5.4	ug/L	1.0	0.47	1		10/17/23 14:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 14:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 14:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 14:57	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:57	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 14:57	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 14:57	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 14:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 14:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 14:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 14:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 14:57	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 14:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 14:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:57	100-42-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 1791 Lab ID: 40269525003 Collected: 10/11/23 09:55 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 14:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 14:57	127-18-4	
Toluene	0.39J	ug/L	1.0	0.29	1		10/17/23 14:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 14:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 14:57	120-82-1	
1,1,1-Trichloroethane	6.7	ug/L	1.0	0.30	1		10/17/23 14:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 14:57	79-00-5	
Trichloroethene	22.3	ug/L	1.0	0.32	1		10/17/23 14:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 14:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 14:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 14:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 14:57	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.17	1		10/17/23 14:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 14:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/17/23 14:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/17/23 14:57	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/17/23 14:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 1790 Lab ID: 40269525004 Collected: 10/11/23 10:15 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/18/23 13:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/18/23 13:16	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/18/23 13:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/18/23 13:16	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/18/23 13:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/18/23 13:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/18/23 13:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/18/23 13:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/18/23 13:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/18/23 13:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/18/23 13:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/18/23 13:16	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/18/23 13:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/18/23 13:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/18/23 13:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/18/23 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/18/23 13:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/18/23 13:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/18/23 13:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/18/23 13:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/18/23 13:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/18/23 13:16	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/18/23 13:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/18/23 13:16	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/18/23 13:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/18/23 13:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/18/23 13:16	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/18/23 13:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/18/23 13:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/18/23 13:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/18/23 13:16	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/18/23 13:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/18/23 13:16	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/18/23 13:16	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/18/23 13:16	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/18/23 13:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/18/23 13:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/18/23 13:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/18/23 13:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/18/23 13:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/18/23 13:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/18/23 13:16	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/18/23 13:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/18/23 13:16	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/18/23 13:16	100-42-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 1790 Lab ID: 40269525004 Collected: 10/11/23 10:15 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/18/23 13:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/18/23 13:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/18/23 13:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/18/23 13:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/18/23 13:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/18/23 13:16	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/18/23 13:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/18/23 13:16	79-00-5	
Trichloroethene	0.76J	ug/L	1.0	0.32	1		10/18/23 13:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/18/23 13:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/18/23 13:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/18/23 13:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/18/23 13:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/18/23 13:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/18/23 13:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/23 13:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		10/18/23 13:16	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/18/23 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 5877 Lab ID: 40269525005 Collected: 10/11/23 10:42 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 17:35	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:35	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 17:35	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:35	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 17:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 17:35	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 17:35	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 17:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 17:35	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 17:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 17:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 17:35	75-00-3	
Chloroform	1.1J	ug/L	5.0	0.50	1		10/17/23 17:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/17/23 17:35	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 17:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 17:35	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 17:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 17:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 17:35	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 17:35	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 17:35	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 17:35	541-73-1	
1,4-Dichlorobenzene	1.4	ug/L	1.0	0.89	1		10/17/23 17:35	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 17:35	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/17/23 17:35	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 17:35	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 17:35	75-35-4	
cis-1,2-Dichloroethene	2.4	ug/L	1.0	0.47	1		10/17/23 17:35	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 17:35	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 17:35	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 17:35	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:35	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 17:35	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 17:35	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 17:35	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 17:35	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 17:35	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 17:35	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 17:35	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 17:35	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 17:35	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 17:35	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 17:35	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 17:35	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:35	100-42-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 5877 Lab ID: 40269525005 Collected: 10/11/23 10:42 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 17:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 17:35	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 17:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/17/23 17:35	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 17:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 17:35	120-82-1	
1,1,1-Trichloroethane	5.1	ug/L	1.0	0.30	1		10/17/23 17:35	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 17:35	79-00-5	
Trichloroethene	8.8	ug/L	1.0	0.32	1		10/17/23 17:35	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:35	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 17:35	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 17:35	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:35	108-67-8	
Vinyl chloride	0.29J	ug/L	1.0	0.17	1		10/17/23 17:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 17:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/17/23 17:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/17/23 17:35	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/17/23 17:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 3595 Lab ID: 40269525006 Collected: 10/11/23 11:25 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 17:55	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:55	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 17:55	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:55	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 17:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 17:55	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 17:55	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 17:55	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 17:55	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 17:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 17:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 17:55	75-00-3	
Chloroform	0.56J	ug/L	5.0	0.50	1		10/17/23 17:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/17/23 17:55	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 17:55	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 17:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 17:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 17:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 17:55	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 17:55	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 17:55	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 17:55	541-73-1	
1,4-Dichlorobenzene	1.2	ug/L	1.0	0.89	1		10/17/23 17:55	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 17:55	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/17/23 17:55	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 17:55	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 17:55	75-35-4	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	0.47	1		10/17/23 17:55	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 17:55	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 17:55	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 17:55	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:55	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 17:55	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 17:55	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 17:55	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 17:55	108-20-3	
Ethylbenzene	0.69J	ug/L	1.0	0.33	1		10/17/23 17:55	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 17:55	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 17:55	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 17:55	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 17:55	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 17:55	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 17:55	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 17:55	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:55	100-42-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 3595 Lab ID: 40269525006 Collected: 10/11/23 11:25 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 17:55	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 17:55	127-18-4	
Toluene	0.52J	ug/L	1.0	0.29	1		10/17/23 17:55	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 17:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 17:55	120-82-1	
1,1,1-Trichloroethane	4.7	ug/L	1.0	0.30	1		10/17/23 17:55	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 17:55	79-00-5	
Trichloroethene	7.8	ug/L	1.0	0.32	1		10/17/23 17:55	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 17:55	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 17:55	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 17:55	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 17:55	108-67-8	
Vinyl chloride	1.2	ug/L	1.0	0.17	1		10/17/23 17:55	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 17:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/17/23 17:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/17/23 17:55	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/17/23 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 3569 Lab ID: 40269525007 Collected: 10/11/23 11:42 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/17/23 18:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 18:16	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/17/23 18:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 18:16	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/17/23 18:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/17/23 18:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 18:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/17/23 18:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/17/23 18:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/17/23 18:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/17/23 18:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/17/23 18:16	75-00-3	
Chloroform	1.8J	ug/L	5.0	0.50	1		10/17/23 18:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/17/23 18:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 18:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/17/23 18:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/17/23 18:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/17/23 18:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/17/23 18:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/17/23 18:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 18:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 18:16	541-73-1	
1,4-Dichlorobenzene	1.9	ug/L	1.0	0.89	1		10/17/23 18:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/17/23 18:16	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/17/23 18:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/17/23 18:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/17/23 18:16	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/17/23 18:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/17/23 18:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/17/23 18:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/17/23 18:16	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/17/23 18:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/17/23 18:16	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/17/23 18:16	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/17/23 18:16	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 18:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/17/23 18:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/17/23 18:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/17/23 18:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/17/23 18:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/17/23 18:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/17/23 18:16	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/17/23 18:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/17/23 18:16	103-65-1	
Styrene	0.43J	ug/L	1.0	0.36	1		10/17/23 18:16	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Sample: MH 3569 Lab ID: 40269525007 Collected: 10/11/23 11:42 Received: 10/13/23 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/17/23 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/17/23 18:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/17/23 18:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/17/23 18:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/17/23 18:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/17/23 18:16	120-82-1	
1,1,1-Trichloroethane	4.4	ug/L	1.0	0.30	1		10/17/23 18:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/17/23 18:16	79-00-5	
Trichloroethene	2.5	ug/L	1.0	0.32	1		10/17/23 18:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/17/23 18:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/17/23 18:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/17/23 18:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/17/23 18:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/17/23 18:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/17/23 18:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		10/17/23 18:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/17/23 18:16	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/17/23 18:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

QC Batch: 457542

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40269525001, 40269525002, 40269525003, 40269525004, 40269525005, 40269525006, 40269525007

METHOD BLANK: 2627975

Matrix: Water

Associated Lab Samples: 40269525001, 40269525002, 40269525003, 40269525004, 40269525005, 40269525006, 40269525007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/17/23 08:03	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/17/23 08:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/17/23 08:03	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	10/17/23 08:03	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/17/23 08:03	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/17/23 08:03	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/17/23 08:03	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/17/23 08:03	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	10/17/23 08:03	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/17/23 08:03	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/17/23 08:03	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/17/23 08:03	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/17/23 08:03	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/17/23 08:03	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/17/23 08:03	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/17/23 08:03	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/17/23 08:03	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/17/23 08:03	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/17/23 08:03	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/17/23 08:03	
2,2-Dichloropropane	ug/L	<0.42	1.0	10/17/23 08:03	
2-Chlorotoluene	ug/L	<0.89	5.0	10/17/23 08:03	
4-Chlorotoluene	ug/L	<0.89	5.0	10/17/23 08:03	
Benzene	ug/L	<0.30	1.0	10/17/23 08:03	
Bromobenzene	ug/L	<0.36	1.0	10/17/23 08:03	
Bromochloromethane	ug/L	<0.36	1.0	10/17/23 08:03	
Bromodichloromethane	ug/L	<0.42	1.0	10/17/23 08:03	
Bromoform	ug/L	<0.43	1.0	10/17/23 08:03	
Bromomethane	ug/L	<1.2	5.0	10/17/23 08:03	
Carbon tetrachloride	ug/L	<0.37	1.0	10/17/23 08:03	
Chlorobenzene	ug/L	<0.86	1.0	10/17/23 08:03	
Chloroethane	ug/L	<1.4	5.0	10/17/23 08:03	
Chloroform	ug/L	<0.50	5.0	10/17/23 08:03	
Chloromethane	ug/L	<1.6	5.0	10/17/23 08:03	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/17/23 08:03	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	10/17/23 08:03	
Dibromochloromethane	ug/L	<2.6	5.0	10/17/23 08:03	
Dibromomethane	ug/L	<0.99	5.0	10/17/23 08:03	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/17/23 08:03	
Diisopropyl ether	ug/L	<1.1	5.0	10/17/23 08:03	

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QUALITY CONTROL DATA

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

METHOD BLANK: 2627975

Matrix: Water

Associated Lab Samples: 40269525001, 40269525002, 40269525003, 40269525004, 40269525005, 40269525006, 40269525007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/17/23 08:03	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/17/23 08:03	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/17/23 08:03	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/17/23 08:03	
Methylene Chloride	ug/L	<0.32	5.0	10/17/23 08:03	
n-Butylbenzene	ug/L	<0.86	1.0	10/17/23 08:03	
n-Propylbenzene	ug/L	<0.35	1.0	10/17/23 08:03	
Naphthalene	ug/L	<1.9	5.0	10/17/23 08:03	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/17/23 08:03	
sec-Butylbenzene	ug/L	<0.42	1.0	10/17/23 08:03	
Styrene	ug/L	<0.36	1.0	10/17/23 08:03	
tert-Butylbenzene	ug/L	<0.59	1.0	10/17/23 08:03	
Tetrachloroethene	ug/L	<0.41	1.0	10/17/23 08:03	
Toluene	ug/L	<0.29	1.0	10/17/23 08:03	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/17/23 08:03	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	10/17/23 08:03	
Trichloroethene	ug/L	<0.32	1.0	10/17/23 08:03	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/17/23 08:03	
Vinyl chloride	ug/L	<0.17	1.0	10/17/23 08:03	
Xylene (Total)	ug/L	<1.0	3.0	10/17/23 08:03	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	10/17/23 08:03	
4-Bromofluorobenzene (S)	%	93	70-130	10/17/23 08:03	
Toluene-d8 (S)	%	97	70-130	10/17/23 08:03	

LABORATORY CONTROL SAMPLE: 2627976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.1	98	70-132	
1,1,1,2-Tetrachloroethane	ug/L	50	51.7	103	70-130	
1,1,2-Trichloroethane	ug/L	50	41.0	82	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethene	ug/L	50	48.1	96	73-140	
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.9	94	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	43.4	87	70-130	
1,2-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,2-Dichloroethane	ug/L	50	53.8	108	70-130	
1,2-Dichloropropane	ug/L	50	51.2	102	77-127	
1,3-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,4-Dichlorobenzene	ug/L	50	54.1	108	70-130	
Benzene	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	52.1	104	70-130	
Bromoform	ug/L	50	43.2	86	70-130	
Bromomethane	ug/L	50	42.9	86	22-141	

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QUALITY CONTROL DATA

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

LABORATORY CONTROL SAMPLE: 2627976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	47.9	96	70-135	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	52.3	105	59-141	
Chloroform	ug/L	50	51.1	102	80-124	
Chloromethane	ug/L	50	37.1	74	29-150	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.1	94	70-130	
Dibromochloromethane	ug/L	50	40.6	81	70-130	
Dichlorodifluoromethane	ug/L	50	18.4	37	10-147	
Ethylbenzene	ug/L	50	53.1	106	80-125	
Isopropylbenzene (Cumene)	ug/L	50	51.0	102	70-130	
Methyl-tert-butyl ether	ug/L	50	43.9	88	64-131	
Methylene Chloride	ug/L	50	57.0	114	70-137	
Styrene	ug/L	50	62.3	125	70-130	
Tetrachloroethene	ug/L	50	50.3	101	70-130	
Toluene	ug/L	50	53.2	106	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	70-131	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	70-130	
Trichloroethene	ug/L	50	51.3	103	70-130	
Trichlorofluoromethane	ug/L	50	42.4	85	69-141	
Vinyl chloride	ug/L	50	38.9	78	51-145	
Xylene (Total)	ug/L	150	154	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2628400 2628401

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40269532024	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	49.2	50.9	98	102	70-132	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.3	52.1	105	104	70-131	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	42.0	40.1	84	80	70-130	4	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	48.6	49.9	97	100	70-131	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	49.5	51.7	99	103	69-146	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	43.7	41.6	87	83	70-130	5	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.4	54.5	101	109	56-130	8	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	45.2	43.4	90	87	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.7	52.0	105	104	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	53.6	54.4	107	109	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	51.3	50.9	103	102	77-129	1	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.5	55.4	105	111	70-130	6	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	53.2	51.9	106	104	70-130	3	20		
Benzene	ug/L	<0.30	50	50	51.7	53.0	103	106	70-130	2	20		

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QUALITY CONTROL DATA

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2628400											
2628401											
Parameter	Units	40269532024 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Bromodichloromethane	ug/L	<0.42	50	50	53.5	52.6	107	105	70-130	2	20
Bromoform	ug/L	<0.43	50	50	45.8	43.5	92	87	70-130	5	20
Bromomethane	ug/L	<1.2	50	50	42.9	44.1	86	88	12-159	3	26
Carbon tetrachloride	ug/L	<0.37	50	50	49.3	50.6	99	101	70-135	3	20
Chlorobenzene	ug/L	<0.86	50	50	54.2	51.8	108	104	70-130	4	20
Chloroethane	ug/L	<1.4	50	50	47.8	50.3	96	101	56-143	5	20
Chloroform	ug/L	<0.50	50	50	52.2	52.3	104	105	80-126	0	20
Chloromethane	ug/L	<1.6	50	50	33.3	33.0	67	66	22-156	1	20
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.4	50.6	99	101	70-130	2	20
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	47.3	49.3	95	99	70-130	4	20
Dibromochloromethane	ug/L	<2.6	50	50	40.7	39.9	81	80	70-130	2	20
Dichlorodifluoromethane	ug/L	<0.46	50	50	14.8	15.2	30	30	10-147	3	20
Ethylbenzene	ug/L	<0.33	50	50	54.5	54.0	109	108	80-126	1	20
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	53.9	52.7	108	105	70-130	2	20
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.9	45.9	94	92	64-136	2	20
Methylene Chloride	ug/L	<0.32	50	50	55.6	56.7	111	113	70-137	2	20
Styrene	ug/L	<0.36	50	50	65.6	63.6	131	127	70-133	3	20
Tetrachloroethene	ug/L	<0.41	50	50	50.9	50.6	102	101	70-131	1	20
Toluene	ug/L	<0.29	50	50	52.8	52.6	106	105	80-121	0	20
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	49.7	51.9	99	104	70-135	4	20
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	41.3	40.2	83	80	70-130	3	20
Trichloroethene	ug/L	<0.32	50	50	50.6	52.9	101	106	70-130	4	20
Trichlorofluoromethane	ug/L	<0.42	50	50	43.5	46.9	87	94	67-142	7	20
Vinyl chloride	ug/L	<0.17	50	50	36.2	38.0	72	76	45-147	5	20
Xylene (Total)	ug/L	<1.0	150	150	164	161	109	107	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						98	97	70-130		
4-Bromofluorobenzene (S)	%						102	101	70-130		
Toluene-d8 (S)	%						100	98	70-130		

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QUALIFIERS

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25222269.05 PHOENIX

Pace Project No.: 40269525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269525001	MH 3577	EPA 8260	457542		
40269525002	MH 5632	EPA 8260	457542		
40269525003	MH 1791	EPA 8260	457542		
40269525004	MH 1790	EPA 8260	457542		
40269525005	MH 5877	EPA 8260	457542		
40269525006	MH 3595	EPA 8260	457542		
40269525007	MH 3569	EPA 8260	457542		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or
MTJL Log-in Number Here

40269525

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers
 Address: 2830 Dairy Drive
Medford
 Report To: Rob Langdon
 Copy To: Jacob Krause

Billing Information:
 ← Same →
 Email To: rlangdon@scsengineers.com
 Site Collection Info/Address: Phoenix

Container Preservative Type **
3
 Lab Project Manager:
 * Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate,
 (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate,
 (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: 25222269.05 Waikesh / Waikesh State: WA County/City: WA Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: _____ Site/Facility ID #: _____ Compliance Monitoring? [] Yes [] No
 Email: Jahn
 Collected By (print): Jacob Krause Purchase Order #: _____ DW PWS ID #: _____
 Quote #: _____ DW Location Code: _____
 Collected By (signature): [Signature] Turnaround Date Required: _____ Immediately Packed on Ice: [] Yes [] No
 Sample Disposal: _____ Rush: [] Same Day [] Next Day Field Filtered (if applicable): [] Yes [] No
[] Dispose as appropriate [] Return [] 2 Day [] 3 Day [] 4 Day [] 5 Day Analysis: _____
[] Archive (Expedite Charges Apply)

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist:
										Custody Seals Present/Intact <u>Y</u> N NA
										Custody Signatures Present <u>Y</u> N NA
										Collector Signature Present <u>Y</u> N NA
										Bottles Intact <u>Y</u> N NA
										Correct Bottles <u>Y</u> N NA
										Sufficient Volume <u>Y</u> N NA
										Samples Received on Ice <u>Y</u> N NA
										VOA - Headspace Acceptable <u>Y</u> N NA
										USDA Registered Soils <u>Y</u> N NA
										Samples in Holding Time <u>Y</u> N NA
										Residual Chlorine Present <u>Y</u> N NA
										Cl Strips: _____
										Sample pH Acceptable <u>Y</u> N NA
										pH Strips: _____
										Sulfide Present <u>Y</u> N NA
										Lead Acetate Strips: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MH 3577	GW	grab	10-10	1320				
MH 5832	↓	↓	10-11	0923				
MH 1791	↓	↓		0955				
MH 1790	↓	↓		1015				
MH 5877	↓	↓		1042				
MH 3595	↓	↓		1125				
MH 3569	↓	↓		1142				

VOC

LAB USE ONLY:
 Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
 Type of Ice Used: Wet Blue Dry None
 Packing Material Used: ①
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: 2890946
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: _____
 Cooler 1 Temp Upon Receipt: _____ °C
 Cooler 1 Therm Corr. Factor: _____ °C
 Cooler 1 Corrected Temp: _____ °C
 Comments:

Relinquished by/Company: (Signature) [Signature] / SCS Eng Date/Time: 10-12/1500
 Relinquished by/Company: (Signature) [Signature] Date/Time: 10/13/03 0915
 Relinquished by/Company: (Signature) [Signature] Date/Time: _____

Received by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) [Signature] Date/Time: 10/13/03 0915
 Received by/Company: (Signature) _____ Date/Time: _____

MTJL LAB USE ONLY
 Table #: ①
 Acctnum: _____
 Template: _____
 Prelogin: _____
 PM: _____
 PB: _____
 Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): _____ Page 27 of 29
 YES / NO of: _____

Client Name: SLB

Sample Preservation Receipt Form

Project # 40269525

All containers needing preservation have been checked and noted below.
Lab Lot# of pH paper

Yes No N/A
Lab Std #ID of preservation (if pH adjusted).

Initial when completed: _____ Date/ Time: _____

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)			
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1
001																																	2.5 / 5
002																																	2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
013																																	2.5 / 5
014																																	2.5 / 5
015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

10/13/23 SLB

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9C 40 mL clear ascorbic w/ HCl	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG5U 100 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH + Zn	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres			GN 1
			GN 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: SCS

WO#: 40269525

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 109 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 / Corr: 1.0

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 10/13/23 Initials: SC
 Labeled By Initials: mt

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>001 time "1050"</u> <u>007 2/3 time "1147"</u> <u>Wets</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in



October 25, 2023

Rob Langdon
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25222269.05
Pace Project No.: 40269799

Dear Rob Langdon:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Dan Milewsky".

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25222269.05

Pace Project No.: 40269799

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 25222269.05
Pace Project No.: 40269799

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269799001	M4 3581	Water	10/18/23 10:15	10/19/23 08:15

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SAMPLE ANALYTE COUNT

Project: 25222269.05
Pace Project No.: 40269799

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40269799001	M4 3581	EPA 8260	CXJ	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 25222269.05
Pace Project No.: 40269799

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40269799001	M4 3581					
EPA 8260	Chloroform	1.7J	ug/L	5.0	10/23/23 12:36	

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ANALYTICAL RESULTS

Project: 25222269.05

Pace Project No.: 40269799

Sample: M4 3581 Lab ID: 40269799001 Collected: 10/18/23 10:15 Received: 10/19/23 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		10/23/23 12:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 12:36	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/23/23 12:36	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 12:36	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/23/23 12:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/23/23 12:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 12:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/23/23 12:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/23/23 12:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/23/23 12:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/23/23 12:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/23/23 12:36	75-00-3	
Chloroform	1.7J	ug/L	5.0	0.50	1		10/23/23 12:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/23/23 12:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 12:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/23/23 12:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/23/23 12:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/23/23 12:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/23/23 12:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/23/23 12:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 12:36	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 12:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/23/23 12:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/23/23 12:36	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 12:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/23/23 12:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/23/23 12:36	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/23/23 12:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/23/23 12:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/23/23 12:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/23/23 12:36	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/23/23 12:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/23/23 12:36	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/23/23 12:36	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/23/23 12:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 12:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/23/23 12:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/23/23 12:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/23/23 12:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/23/23 12:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/23/23 12:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/23/23 12:36	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/23/23 12:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/23/23 12:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/23/23 12:36	100-42-5	L1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25222269.05

Pace Project No.: 40269799

Sample: M4 3581 Lab ID: 40269799001 Collected: 10/18/23 10:15 Received: 10/19/23 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		10/23/23 12:36	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/23/23 12:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/23/23 12:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/23/23 12:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/23/23 12:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/23 12:36	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/23/23 12:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/23/23 12:36	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/23/23 12:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/23/23 12:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/23/23 12:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/23/23 12:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/23/23 12:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/23 12:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/23/23 12:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/23/23 12:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		10/23/23 12:36	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/23/23 12:36	2037-26-5	

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QUALITY CONTROL DATA

Project: 25222269.05

Pace Project No.: 40269799

QC Batch: 458248

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40269799001

METHOD BLANK: 2632244

Matrix: Water

Associated Lab Samples: 40269799001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/23/23 08:21	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/23/23 08:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/23/23 08:21	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	10/23/23 08:21	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/23/23 08:21	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/23/23 08:21	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/23/23 08:21	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/23/23 08:21	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	10/23/23 08:21	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/23/23 08:21	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/23/23 08:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/23/23 08:21	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/23/23 08:21	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/23/23 08:21	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/23/23 08:21	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/23/23 08:21	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/23/23 08:21	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/23/23 08:21	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/23/23 08:21	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/23/23 08:21	
2,2-Dichloropropane	ug/L	<0.42	1.0	10/23/23 08:21	
2-Chlorotoluene	ug/L	<0.89	5.0	10/23/23 08:21	
4-Chlorotoluene	ug/L	<0.89	5.0	10/23/23 08:21	
Benzene	ug/L	<0.30	1.0	10/23/23 08:21	
Bromobenzene	ug/L	<0.36	1.0	10/23/23 08:21	
Bromochloromethane	ug/L	<0.36	1.0	10/23/23 08:21	
Bromodichloromethane	ug/L	<0.42	1.0	10/23/23 08:21	
Bromoform	ug/L	<0.43	1.0	10/23/23 08:21	
Bromomethane	ug/L	<1.2	5.0	10/23/23 08:21	
Carbon tetrachloride	ug/L	<0.37	1.0	10/23/23 08:21	
Chlorobenzene	ug/L	<0.86	1.0	10/23/23 08:21	
Chloroethane	ug/L	<1.4	5.0	10/23/23 08:21	
Chloroform	ug/L	<0.50	5.0	10/23/23 08:21	
Chloromethane	ug/L	<1.6	5.0	10/23/23 08:21	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/23/23 08:21	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	10/23/23 08:21	
Dibromochloromethane	ug/L	<2.6	5.0	10/23/23 08:21	
Dibromomethane	ug/L	<0.99	5.0	10/23/23 08:21	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/23/23 08:21	
Diisopropyl ether	ug/L	<1.1	5.0	10/23/23 08:21	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25222269.05

Pace Project No.: 40269799

METHOD BLANK: 2632244

Matrix: Water

Associated Lab Samples: 40269799001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/23/23 08:21	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/23/23 08:21	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/23/23 08:21	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/23/23 08:21	
Methylene Chloride	ug/L	<0.32	5.0	10/23/23 08:21	
n-Butylbenzene	ug/L	<0.86	1.0	10/23/23 08:21	
n-Propylbenzene	ug/L	<0.35	1.0	10/23/23 08:21	
Naphthalene	ug/L	<1.9	5.0	10/23/23 08:21	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/23/23 08:21	
sec-Butylbenzene	ug/L	<0.42	1.0	10/23/23 08:21	
Styrene	ug/L	<0.36	1.0	10/23/23 08:21	
tert-Butylbenzene	ug/L	<0.59	1.0	10/23/23 08:21	
Tetrachloroethene	ug/L	<0.41	1.0	10/23/23 08:21	
Toluene	ug/L	<0.29	1.0	10/23/23 08:21	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/23/23 08:21	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	10/23/23 08:21	
Trichloroethene	ug/L	<0.32	1.0	10/23/23 08:21	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/23/23 08:21	
Vinyl chloride	ug/L	<0.17	1.0	10/23/23 08:21	
Xylene (Total)	ug/L	<1.0	3.0	10/23/23 08:21	
1,2-Dichlorobenzene-d4 (S)	%	108	70-130	10/23/23 08:21	
4-Bromofluorobenzene (S)	%	100	70-130	10/23/23 08:21	
Toluene-d8 (S)	%	101	70-130	10/23/23 08:21	

LABORATORY CONTROL SAMPLE: 2632245

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.3	115	70-132	
1,1,1,2-Tetrachloroethane	ug/L	50	56.7	113	70-130	
1,1,2-Trichloroethane	ug/L	50	58.6	117	70-130	
1,1-Dichloroethane	ug/L	50	57.4	115	70-130	
1,1-Dichloroethene	ug/L	50	51.4	103	73-140	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	56.0	112	70-130	
1,2-Dichloroethane	ug/L	50	57.2	114	70-130	
1,2-Dichloropropane	ug/L	50	61.1	122	77-127	
1,3-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,4-Dichlorobenzene	ug/L	50	55.0	110	70-130	
Benzene	ug/L	50	56.6	113	70-130	
Bromodichloromethane	ug/L	50	57.6	115	70-130	
Bromoform	ug/L	50	58.9	118	70-130	
Bromomethane	ug/L	50	40.2	80	22-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25222269.05

Pace Project No.: 40269799

LABORATORY CONTROL SAMPLE: 2632245

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.2	118	70-135	
Chlorobenzene	ug/L	50	56.9	114	70-130	
Chloroethane	ug/L	50	43.0	86	59-141	
Chloroform	ug/L	50	57.0	114	80-124	
Chloromethane	ug/L	50	42.4	85	29-150	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.9	110	70-130	
Dibromochloromethane	ug/L	50	52.8	106	70-130	
Dichlorodifluoromethane	ug/L	50	18.3	37	10-147	
Ethylbenzene	ug/L	50	58.7	117	80-125	
Isopropylbenzene (Cumene)	ug/L	50	59.8	120	70-130	
Methyl-tert-butyl ether	ug/L	50	50.6	101	64-131	
Methylene Chloride	ug/L	50	57.4	115	70-137	
Styrene	ug/L	50	66.0	132	70-130 L1	
Tetrachloroethene	ug/L	50	55.5	111	70-130	
Toluene	ug/L	50	57.0	114	80-120	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	70-131	
trans-1,3-Dichloropropene	ug/L	50	58.4	117	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	49.0	98	69-141	
Vinyl chloride	ug/L	50	39.4	79	51-145	
Xylene (Total)	ug/L	150	188	125	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2632256 2632257

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40269764013 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.7	53.4	107	107	70-132	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	56.2	55.8	112	112	70-131	1	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	54.8	55.6	110	111	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	54.9	55.4	110	111	70-131	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	52.2	47.6	104	95	69-146	9	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.2	46.2	92	92	70-130	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.3	51.0	101	102	56-130	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	49.1	50.1	98	100	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	55.6	54.7	111	109	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	56.3	54.4	113	109	70-130	4	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	57.3	57.1	115	114	77-129	0	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.7	51.6	103	103	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	54.6	53.8	109	108	70-130	2	20		
Benzene	ug/L	<0.30	50	50	55.7	55.2	111	110	70-130	1	20		

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QUALITY CONTROL DATA

Project: 25222269.05

Pace Project No.: 40269799

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2632256 2632257												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40269764013 Result	Spike Conc.	Spike Conc.	MS Result							
Bromodichloromethane	ug/L	<0.42	50	50	54.5	53.5	109	107	70-130	2	20	
Bromoform	ug/L	<0.43	50	50	56.9	57.0	114	114	70-130	0	20	
Bromomethane	ug/L	<1.2	50	50	41.6	41.0	83	82	12-159	2	26	
Carbon tetrachloride	ug/L	<0.37	50	50	54.9	55.9	110	112	70-135	2	20	
Chlorobenzene	ug/L	<0.86	50	50	54.3	54.1	109	108	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	43.0	45.8	86	92	56-143	6	20	
Chloroform	ug/L	<0.50	50	50	53.6	53.6	107	107	80-126	0	20	
Chloromethane	ug/L	<1.6	50	50	36.4	35.3	73	71	22-156	3	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	51.3	49.9	103	100	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	53.9	53.1	108	106	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.8	50.7	104	101	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	15.5	14.7	31	29	10-147	5	20	
Ethylbenzene	ug/L	<0.33	50	50	55.5	55.2	111	110	80-126	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.5	55.4	111	111	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	50.3	50.5	101	101	64-136	0	20	
Methylene Chloride	ug/L	<0.32	50	50	55.5	54.0	111	108	70-137	3	20	
Styrene	ug/L	<0.36	50	50	64.1	61.9	128	124	70-133	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.7	54.4	103	109	70-131	5	20	
Toluene	ug/L	<0.29	50	50	53.0	53.2	106	106	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.3	50.3	103	101	70-135	2	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	55.8	56.1	112	112	70-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	52.4	52.4	105	105	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	48.1	43.8	96	88	67-142	9	20	
Vinyl chloride	ug/L	<0.17	50	50	36.5	34.4	73	69	45-147	6	20	
Xylene (Total)	ug/L	<1.0	150	150	175	175	117	117	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						105	103	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 25222269.05

Pace Project No.: 40269799

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25222269.05
Pace Project No.: 40269799

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269799001	M4 3581	EPA 8260	458248		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or
MTJL Log-in Number Here

40269799

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers Billing Information: same

Address: 2830 Dairy Drive, Madison WI

Report To: Robert Langdon Email To: rlangdon@scsengineers.com

Copy To: Jacob Kraus Site Collection Info/Address:

Container Preservative Type ** 3 Lab Project Manager:

Customer Project Name/Number: 25222269.05 State: WI County/City: Time Zone Collected: []PT []MT []CT []ET

Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): Jacob Kraus Purchase Order #: DW PWS ID #:

Collected By (signature): [Signature] Quote #: DW Location Code:

Sample Disposal: [X] Dispose as appropriate [] Return Turnaround Date Required: Immediately Packed on Ice: [X] Yes [] No

[] Archive: Rush: [] Same Day [] Next Day Field Filtered (if applicable): [] Yes [X] No

[] Hold: [] 2 Day [] 3 Day [] 4 Day [] 5 Day Analysis:
(Expedite Charges Apply)

** Preservative Types. (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: _____ Sample pH Acceptable Y N NA pH Strips: _____ Sulfide Present Y N NA Lead Acetate Strips: _____ LAB USE ONLY: Lab Sample # / Comments:
										Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<u>MH 3581</u>	<u>GW</u>	<u>grab</u>	<u>10-18</u>	<u>1015</u>				<u>3</u>

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2824462

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments:

Relinquished by/Company: (Signature) [Signature] Date/Time: 10/18 @ 1400 Received by/Company: (Signature) [Signature] Date/Time:

Relinquished by/Company: (Signature) WaltCO Date/Time: 10/19/23 815 Received by/Company: (Signature) [Signature] Date/Time: 10/19/23 815

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): Page 14 of 16

YES / NO of: 1

Effective Date: 8/16/2022

Client Name: SCS

Sample Preservation Receipt Form

Project #

N/A 40269799

All containers needing preservation have been checked and noted below.

Yes No

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed

Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)			
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN 1	GN 2	
001																																			2.5 / 5
002																																			2.5 / 5
003																																			2.5 / 5
004																																			2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
009																																			2.5 / 5
010																																			2.5 / 5
011																																			2.5 / 5
012																																			2.5 / 5
013																																			2.5 / 5
014																																			2.5 / 5
015																																			2.5 / 5
016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

*10/19/23
TU*

Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: SCS

WO#: **40269799**



Courier: CS Logistics Fed Ex Speedee UPS **Waltco**
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags **None** Other _____

Thermometer Used SR - 129 Type of Ice: **Wet** Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 4.0 / Corr: 4.0

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:

Date: 10/19/23 Initials: TW

Labeled By Initials: JG

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>10/19/23</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in



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

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 231003R01
Laboratory Work Order: 0007274

Project Description:

Phoenix Heights Neighborhood Area VI
Waukesha, WI

Client PO No.: 25222269.05-001

Prepared for:
Jacob Krause
SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Ryan W. Schneider
Senior Project Manager

November 09, 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:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

Table of Contents

Cover Page	1
Sample Summary	6
Case Narrative	8
Analytical Results	9
Summary of Compound Detections	10
Data Summary Table-Mass	20
Data Summary Table-Concentration	21
Detailed Analytical Results	22
- Mass	23
0007274-01 - 09R_SG_01_20231027	24
0007274-02 - 09R_SG_02_20231027	25
0007274-03 - 09R_SG_03_20231027	26
0007274-04 - 09R_SG_04_20231027	27
0007274-06 - 09R_SG_06_20231027	28
0007274-07 - 09R_SG_07_20231027	29
0007274-08 - 09R_SG_08_20231027	30
0007274-09 - 09R_SG_09_20231027	31
0007274-10 - 09R_SG_10_20231027	32
0007274-11 - 09R_SG_11_20231027	33
0007274-12 - 09R_SG_12_20231027	34
0007274-13 - 09R_SG_13_20231027	35
0007274-14 - 09R_SG_14_20231027	36
0007274-15 - 09R_SG_15_20231027	37
0007274-16 - 09R_SG_16_20231027	38
0007274-17 - 09R_SG_17_20231027	39

Table of Contents (continued)

0007274-18 - 09R_SG_18_20231027	40
0007274-19 - 09R_SG_19_20231027	41
0007274-20 - 09R_SG_20_20231027	42
0007274-21 - 09R_SG_21_20231027	43
0007274-22 - 09R_SG_22_20231027	44
0007274-23 - 09R_SG_23_20231027	45
0007274-24 - 09R_SG_24_20231027	46
0007274-25 - 09R_SG_25_20231027	47
0007274-26 - 09R_SG_26_20231027	48
0007274-27 - 09R_SG_27_20231027	49
0007274-28 - 09R_SG_28_20231027	50
0007274-29 - 09R_SG_29_20231027	51
0007274-30 - 09R_SG_30_20231027	52
- Concentration	53
0007274-01 - 09R_SG_01_20231027	54
0007274-02 - 09R_SG_02_20231027	55
0007274-03 - 09R_SG_03_20231027	56
0007274-04 - 09R_SG_04_20231027	57
0007274-06 - 09R_SG_06_20231027	58
0007274-07 - 09R_SG_07_20231027	59
0007274-08 - 09R_SG_08_20231027	60
0007274-09 - 09R_SG_09_20231027	61
0007274-10 - 09R_SG_10_20231027	62
0007274-11 - 09R_SG_11_20231027	63
0007274-12 - 09R_SG_12_20231027	64

Table of Contents (continued)

0007274-13 - 09R_SG_13_20231027	65
0007274-14 - 09R_SG_14_20231027	66
0007274-15 - 09R_SG_15_20231027	67
0007274-16 - 09R_SG_16_20231027	68
0007274-17 - 09R_SG_17_20231027	69
0007274-18 - 09R_SG_18_20231027	70
0007274-19 - 09R_SG_19_20231027	71
0007274-20 - 09R_SG_20_20231027	72
0007274-21 - 09R_SG_21_20231027	73
0007274-22 - 09R_SG_22_20231027	74
0007274-23 - 09R_SG_23_20231027	75
0007274-24 - 09R_SG_24_20231027	76
0007274-25 - 09R_SG_25_20231027	77
0007274-26 - 09R_SG_26_20231027	78
0007274-27 - 09R_SG_27_20231027	79
0007274-28 - 09R_SG_28_20231027	80
0007274-29 - 09R_SG_29_20231027	81
0007274-30 - 09R_SG_30_20231027	82
QC Summaries	83
Additional QC Information	94
Sample Result Calculations	95
Equation	124
MRL Calculation Table	125
Certifications	154
Notes and Definitions	155

Table of Contents (continued)

Sample Management Records	156
Chain of Custody	157

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007274-01 Sampler Type:	09R_SG_01_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-02 Sampler Type:	09R_SG_02_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-03 Sampler Type:	09R_SG_03_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-04 Sampler Type:	09R_SG_04_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-06 Sampler Type:	09R_SG_06_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-07 Sampler Type:	09R_SG_07_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-08 Sampler Type:	09R_SG_08_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-09 Sampler Type:	09R_SG_09_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-10 Sampler Type:	09R_SG_10_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-11 Sampler Type:	09R_SG_11_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-12 Sampler Type:	09R_SG_12_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-13 Sampler Type:	09R_SG_13_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-14 Sampler Type:	09R_SG_14_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-15 Sampler Type:	09R_SG_15_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-16 Sampler Type:	09R_SG_16_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-17 Sampler Type:	09R_SG_17_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-18 Sampler Type:	09R_SG_18_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-19 Sampler Type:	09R_SG_19_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-20 Sampler Type:	09R_SG_20_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-21 Sampler Type:	09R_SG_21_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
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Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007274-22 Sampler Type:	09R_SG_22_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-23 Sampler Type:	09R_SG_23_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-24 Sampler Type:	09R_SG_24_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-25 Sampler Type:	09R_SG_25_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-26 Sampler Type:	09R_SG_26_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-27 Sampler Type:	09R_SG_27_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-28 Sampler Type:	09R_SG_28_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-29 Sampler Type:	09R_SG_29_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas
0007274-30 Sampler Type:	09R_SG_30_20231027 Beacon Passive Sampler	10/31/2023	EPA 8260C	Soil Gas

Project Completeness

Samples Received: 29
Samples Analyzed: 29

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

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. 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 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: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Analytical Results

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007274-01	09R_SG_01_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	46		5.903	25	S23110205.D

Lab Sample ID: 0007274-03	09R_SG_03_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	12		1.585	10	S23110207.D
1,1-Dichloroethene	75-35-4	83		2.012	10	S23110207.D
1,1,1-Trichloroethane	71-55-6	118		3.036	10	S23110207.D
Trichloroethene	79-01-6	218		3.633	10	S23110207.D
Ethylbenzene	100-41-4	194		5.806	25	S23110207.D
p & m-Xylene	179601-23-1	738		5.903	25	S23110207.D
o-Xylene	95-47-6	254		6.196	25	S23110207.D

Lab Sample ID: 0007274-09	09R_SG_09_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	21		3.033	10	S23110213.D
Trichloroethene	79-01-6	17		3.629	10	S23110213.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007274-12	09R_SG_12_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	13		1.588	10	S23110216.D
1,1-Dichloroethene	75-35-4	125		2.015	10	S23110216.D
1,1,1-Trichloroethane	71-55-6	277		3.036	10	S23110216.D
Benzene	71-43-2	48		3.234	25	S23110216.D
Trichloroethene	79-01-6	356		3.630	10	S23110216.D
Ethylbenzene	100-41-4	349		5.806	25	S23110216.D
p & m-Xylene	179601-23-1	1,250		5.907	25	S23110216.D
o-Xylene	95-47-6	389		6.192	25	S23110216.D
☞ TPH C5-C8		6,470		3.500	5,000	S23110216.D

Lab Sample ID: 0007274-13	09R_SG_13_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	111		1.585	10	S23110217.D
1,1-Dichloroethene	75-35-4	803		2.015	10	S23110217.D
1,1-Dichloroethane	75-34-3	195		2.499	10	S23110217.D
cis-1,2-Dichloroethene	156-59-2	36		2.766	10	S23110217.D
1,1,1-Trichloroethane	71-55-6	2,080	D	3.030	192	S23110305.D
Trichloroethene	79-01-6	4,270		3.629	10	S23110217.D

Lab Sample ID: 0007274-15	09R_SG_15_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	188		5.806	25	S23110219.D
p & m-Xylene	179601-23-1	768		5.907	25	S23110219.D
o-Xylene	95-47-6	273		6.195	25	S23110219.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007274-16	09R_SG_16_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	48		5.903	25	S23110220.D

Lab Sample ID: 0007274-17	09R_SG_17_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	61		5.806	25	S23110221.D
p & m-Xylene	179601-23-1	300		5.903	25	S23110221.D
o-Xylene	95-47-6	101		6.195	25	S23110221.D

Lab Sample ID: 0007274-19	09R_SG_19_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	95		5.907	25	S23110223.D
o-Xylene	95-47-6	27		6.196	25	S23110223.D

Lab Sample ID: 0007274-20	09R_SG_20_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	81		5.906	25	S23110224.D

Lab Sample ID: 0007274-21	09R_SG_21_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	32		3.234	25	S23110225.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007274-22	09R_SG_22_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	45		3.231	25	S23110226.D
TPH C5-C8		6,470		3.500	5,000	S23110226.D

Lab Sample ID: 0007274-24	09R_SG_24_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Toluene	108-88-3	261		4.575	25	S23110228.D

Lab Sample ID: 0007274-25	09R_SG_25_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	41		5.809	25	S23110229.D
p & m-Xylene	179601-23-1	107		5.903	25	S23110229.D
o-Xylene	95-47-6	34		6.192	25	S23110229.D

Lab Sample ID: 0007274-26	09R_SG_26_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	72		5.903	25	S23110230.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007274-28	09R_SG_28_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	46		5.806	25	S23110232.D
p & m-Xylene	179601-23-1	210		5.906	25	S23110232.D
o-Xylene	95-47-6	66		6.195	25	S23110232.D

Lab Sample ID: 0007274-30	09R_SG_30_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	54		5.806	25	S23110234.D
p & m-Xylene	179601-23-1	272		5.906	25	S23110234.D
o-Xylene	95-47-6	88		6.195	25	S23110234.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Summary of Compound Detections- Concentration

Lab Sample ID: 0007274-01	09R_SG_01_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	3.30		5.903	1.80	S23110205.D

Lab Sample ID: 0007274-03	09R_SG_03_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	0.93		1.585	0.78	S23110207.D
1,1-Dichloroethene	75-35-4	16.0		2.012	1.92	S23110207.D
1,1,1-Trichloroethane	71-55-6	7.10		3.036	0.60	S23110207.D
Trichloroethene	79-01-6	41.7		3.633	1.92	S23110207.D
Ethylbenzene	100-41-4	14.5		5.806	1.86	S23110207.D
p & m-Xylene	179601-23-1	53.0		5.903	1.80	S23110207.D
o-Xylene	95-47-6	18.3		6.196	1.80	S23110207.D

Lab Sample ID: 0007274-09	09R_SG_09_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	1.28		3.033	0.60	S23110213.D
Trichloroethene	79-01-6	3.27		3.629	1.92	S23110213.D

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Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007274-12	09R_SG_12_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	1.02		1.588	0.78	S23110216.D
1,1-Dichloroethene	75-35-4	24.0		2.015	1.92	S23110216.D
1,1,1-Trichloroethane	71-55-6	16.7		3.036	0.60	S23110216.D
Benzene	71-43-2	5.71		3.234	2.98	S23110216.D
Trichloroethene	79-01-6	68.2		3.630	1.92	S23110216.D
Ethylbenzene	100-41-4	25.9		5.806	1.86	S23110216.D
p & m-Xylene	179601-23-1	90.0		5.907	1.80	S23110216.D
o-Xylene	95-47-6	27.9		6.192	1.80	S23110216.D
TPH C5-C8		693		3.500	536	S23110216.D

Lab Sample ID: 0007274-13	09R_SG_13_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	8.68		1.585	0.78	S23110217.D
1,1-Dichloroethene	75-35-4	154		2.015	1.92	S23110217.D
1,1-Dichloroethane	75-34-3	14.5		2.499	0.74	S23110217.D
cis-1,2-Dichloroethene	156-59-2	4.31		2.766	1.19	S23110217.D
1,1,1-Trichloroethane	71-55-6	125	D	3.030	11.6	S23110305.D
Trichloroethene	79-01-6	818		3.629	1.92	S23110217.D

Lab Sample ID: 0007274-15	09R_SG_15_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	14.0		5.806	1.86	S23110219.D
p & m-Xylene	179601-23-1	55.2		5.907	1.80	S23110219.D
o-Xylene	95-47-6	19.6		6.195	1.80	S23110219.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007274-16	09R_SG_16_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	3.47		5.903	1.80	S23110220.D

Lab Sample ID: 0007274-17	09R_SG_17_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	4.53		5.806	1.86	S23110221.D
p & m-Xylene	179601-23-1	21.6		5.903	1.80	S23110221.D
o-Xylene	95-47-6	7.23		6.195	1.80	S23110221.D

Lab Sample ID: 0007274-19	09R_SG_19_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	6.85		5.907	1.80	S23110223.D
o-Xylene	95-47-6	1.97		6.196	1.80	S23110223.D

Lab Sample ID: 0007274-20	09R_SG_20_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	5.82		5.906	1.80	S23110224.D

Lab Sample ID: 0007274-21	09R_SG_21_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	3.80		3.234	2.99	S23110225.D

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Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007274-22	09R_SG_22_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	5.41		3.231	2.99	S23110226.D
TPH C5-C8		695		3.500	537	S23110226.D

Lab Sample ID: 0007274-24	09R_SG_24_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Toluene	108-88-3	41.3		4.575	3.96	S23110228.D

Lab Sample ID: 0007274-25	09R_SG_25_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	3.07		5.809	1.86	S23110229.D
p & m-Xylene	179601-23-1	7.69		5.903	1.80	S23110229.D
o-Xylene	95-47-6	2.45		6.192	1.80	S23110229.D

Lab Sample ID: 0007274-26	09R_SG_26_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	5.16		5.903	1.80	S23110230.D

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Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007274-28	09R_SG_28_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	3.44		5.806	1.87	S23110232.D
p & m-Xylene	179601-23-1	15.2		5.906	1.80	S23110232.D
o-Xylene	95-47-6	4.74		6.195	1.80	S23110232.D

Lab Sample ID: 0007274-30	09R_SG_30_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	4.01		5.806	1.87	S23110234.D
p & m-Xylene	179601-23-1	19.6		5.906	1.80	S23110234.D
o-Xylene	95-47-6	6.35		6.195	1.80	S23110234.D

SCS Engineers
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Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
Vinyl Chloride	3	10	111
1,1-Dichloroethene	3	10	803
1,1-Dichloroethane	1	10	195
cis-1,2-Dichloroethene	1	10	36
1,1,1-Trichloroethane	4	10	2,080
Benzene	3	25	48
Trichloroethene	4	10	4,270
Toluene	1	25	261
Ethylbenzene	7	25	349
p & m-Xylene	12	25	1,250
o-Xylene	8	25	389
TPH C5-C8	2	5,000	6,470

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Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Data Summary Table- Concentration

Compound	Frequency	LOQ (µg/m³)	Max Value (µg/m³)
Vinyl Chloride	3	0.780	8.68
1,1-Dichloroethene	3	1.92	154
1,1-Dichloroethane	1	0.740	14.5
cis-1,2-Dichloroethene	1	1.19	4.31
1,1,1-Trichloroethane	4	0.600	125
Benzene	3	2.98	5.71
Trichloroethene	4	1.92	818
Toluene	1	3.96	41.3
Ethylbenzene	7	1.86	25.9
p & m-Xylene	12	1.80	90.0
o-Xylene	8	1.80	27.9
TPH C5-C8	2	536	695

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Site Name: Phoenix Heights Neighborhood Area VI
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Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Detailed Analytical Results

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Detailed Analytical Results- Mass

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-01	09R_SG_01_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 13:21	S23110205.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 13:21	S23110205.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 13:21	S23110205.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 13:21	S23110205.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 13:21	S23110205.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 13:21	S23110205.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 13:21	S23110205.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 13:21	S23110205.D
Chloroform	67-66-3	<10		10	11/02/2023 13:21	S23110205.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 13:21	S23110205.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 13:21	S23110205.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 13:21	S23110205.D
Benzene	71-43-2	<25		25	11/02/2023 13:21	S23110205.D
Trichloroethene	79-01-6	<10		10	11/02/2023 13:21	S23110205.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 13:21	S23110205.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 13:21	S23110205.D
Toluene	108-88-3	<25		25	11/02/2023 13:21	S23110205.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 13:21	S23110205.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 13:21	S23110205.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 13:21	S23110205.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 13:21	S23110205.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 13:21	S23110205.D
p & m-Xylene	179601-23-1	46		25	11/02/2023 13:21	S23110205.D
o-Xylene	95-47-6	<25		25	11/02/2023 13:21	S23110205.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 13:21	S23110205.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 13:21	S23110205.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 13:21	S23110205.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 13:21	S23110205.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 13:21	S23110205.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 13:21	S23110205.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 13:21	S23110205.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 13:21	S23110205.D
Naphthalene	91-20-3	<25		25	11/02/2023 13:21	S23110205.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 13:21	S23110205.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 13:21	S23110205.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 13:21	S23110205.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 13:21	S23110205.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 13:21	S23110205.D
Surrogate: Toluene-d8	2037-26-5	93.5%	70-130		11/02/2023 13:21	S23110205.D
Surrogate: Bromofluorobenzene	460-00-4	94.7%	70-130		11/02/2023 13:21	S23110205.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-02

09R_SG_02_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 13:51	S23110206.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 13:51	S23110206.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 13:51	S23110206.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 13:51	S23110206.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 13:51	S23110206.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 13:51	S23110206.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 13:51	S23110206.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 13:51	S23110206.D
Chloroform	67-66-3	<10		10	11/02/2023 13:51	S23110206.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 13:51	S23110206.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 13:51	S23110206.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 13:51	S23110206.D
Benzene	71-43-2	<25		25	11/02/2023 13:51	S23110206.D
Trichloroethene	79-01-6	<10		10	11/02/2023 13:51	S23110206.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 13:51	S23110206.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 13:51	S23110206.D
Toluene	108-88-3	<25		25	11/02/2023 13:51	S23110206.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 13:51	S23110206.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 13:51	S23110206.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 13:51	S23110206.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 13:51	S23110206.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 13:51	S23110206.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 13:51	S23110206.D
o-Xylene	95-47-6	<25		25	11/02/2023 13:51	S23110206.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 13:51	S23110206.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 13:51	S23110206.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 13:51	S23110206.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 13:51	S23110206.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 13:51	S23110206.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 13:51	S23110206.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 13:51	S23110206.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 13:51	S23110206.D
Naphthalene	91-20-3	<25		25	11/02/2023 13:51	S23110206.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 13:51	S23110206.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 13:51	S23110206.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 13:51	S23110206.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 13:51	S23110206.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 13:51	S23110206.D
Surrogate: Toluene-d8	2037-26-5	96.4%	70-130		11/02/2023 13:51	S23110206.D
Surrogate: Bromofluorobenzene	460-00-4	92.9%	70-130		11/02/2023 13:51	S23110206.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-03	09R_SG_03_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	12		10	11/02/2023 14:20	S23110207.D
1,1-Dichloroethene	75-35-4	83		10	11/02/2023 14:20	S23110207.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 14:20	S23110207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 14:20	S23110207.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 14:20	S23110207.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 14:20	S23110207.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 14:20	S23110207.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 14:20	S23110207.D
Chloroform	67-66-3	<10		10	11/02/2023 14:20	S23110207.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 14:20	S23110207.D
1,1,1-Trichloroethane	71-55-6	118		10	11/02/2023 14:20	S23110207.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 14:20	S23110207.D
Benzene	71-43-2	<25		25	11/02/2023 14:20	S23110207.D
Trichloroethene	79-01-6	218		10	11/02/2023 14:20	S23110207.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 14:20	S23110207.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 14:20	S23110207.D
Toluene	108-88-3	<25		25	11/02/2023 14:20	S23110207.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 14:20	S23110207.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 14:20	S23110207.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 14:20	S23110207.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 14:20	S23110207.D
Ethylbenzene	100-41-4	194		25	11/02/2023 14:20	S23110207.D
p & m-Xylene	179601-23-1	738		25	11/02/2023 14:20	S23110207.D
o-Xylene	95-47-6	254		25	11/02/2023 14:20	S23110207.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 14:20	S23110207.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 14:20	S23110207.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 14:20	S23110207.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 14:20	S23110207.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 14:20	S23110207.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 14:20	S23110207.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 14:20	S23110207.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 14:20	S23110207.D
Naphthalene	91-20-3	<25		25	11/02/2023 14:20	S23110207.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 14:20	S23110207.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 14:20	S23110207.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 14:20	S23110207.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 14:20	S23110207.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 14:20	S23110207.D
Surrogate: Toluene-d8	2037-26-5	103%	70-130		11/02/2023 14:20	S23110207.D
Surrogate: Bromofluorobenzene	460-00-4	92.9%	70-130		11/02/2023 14:20	S23110207.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-04

09R_SG_04_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	11/02/2023 14:50	S23110208.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 14:50	S23110208.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 14:50	S23110208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 14:50	S23110208.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 14:50	S23110208.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 14:50	S23110208.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 14:50	S23110208.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 14:50	S23110208.D
Chloroform	67-66-3	<10		10	11/02/2023 14:50	S23110208.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 14:50	S23110208.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 14:50	S23110208.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 14:50	S23110208.D
Benzene	71-43-2	<25		25	11/02/2023 14:50	S23110208.D
Trichloroethene	79-01-6	<10		10	11/02/2023 14:50	S23110208.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 14:50	S23110208.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 14:50	S23110208.D
Toluene	108-88-3	<25		25	11/02/2023 14:50	S23110208.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 14:50	S23110208.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 14:50	S23110208.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 14:50	S23110208.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 14:50	S23110208.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 14:50	S23110208.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 14:50	S23110208.D
o-Xylene	95-47-6	<25		25	11/02/2023 14:50	S23110208.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 14:50	S23110208.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 14:50	S23110208.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 14:50	S23110208.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 14:50	S23110208.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 14:50	S23110208.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 14:50	S23110208.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 14:50	S23110208.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 14:50	S23110208.D
Naphthalene	91-20-3	<25		25	11/02/2023 14:50	S23110208.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 14:50	S23110208.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 14:50	S23110208.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 14:50	S23110208.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 14:50	S23110208.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 14:50	S23110208.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		11/02/2023 14:50	S23110208.D
Surrogate: Bromofluorobenzene	460-00-4	93.1%	70-130		11/02/2023 14:50	S23110208.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-06	09R_SG_06_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 15:51	S23110210.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 15:51	S23110210.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 15:51	S23110210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 15:51	S23110210.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 15:51	S23110210.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 15:51	S23110210.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 15:51	S23110210.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 15:51	S23110210.D
Chloroform	67-66-3	<10		10	11/02/2023 15:51	S23110210.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 15:51	S23110210.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 15:51	S23110210.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 15:51	S23110210.D
Benzene	71-43-2	<25		25	11/02/2023 15:51	S23110210.D
Trichloroethene	79-01-6	<10		10	11/02/2023 15:51	S23110210.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 15:51	S23110210.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 15:51	S23110210.D
Toluene	108-88-3	<25		25	11/02/2023 15:51	S23110210.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 15:51	S23110210.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 15:51	S23110210.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 15:51	S23110210.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 15:51	S23110210.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 15:51	S23110210.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 15:51	S23110210.D
o-Xylene	95-47-6	<25		25	11/02/2023 15:51	S23110210.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 15:51	S23110210.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 15:51	S23110210.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 15:51	S23110210.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 15:51	S23110210.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 15:51	S23110210.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 15:51	S23110210.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 15:51	S23110210.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 15:51	S23110210.D
Naphthalene	91-20-3	<25		25	11/02/2023 15:51	S23110210.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 15:51	S23110210.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 15:51	S23110210.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 15:51	S23110210.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 15:51	S23110210.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	119%	70-130		11/02/2023 15:51	S23110210.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		11/02/2023 15:51	S23110210.D
Surrogate: Bromofluorobenzene	460-00-4	95.6%	70-130		11/02/2023 15:51	S23110210.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-07	09R_SG_07_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 16:20	S23110211.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 16:20	S23110211.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 16:20	S23110211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 16:20	S23110211.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 16:20	S23110211.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 16:20	S23110211.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 16:20	S23110211.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 16:20	S23110211.D
Chloroform	67-66-3	<10		10	11/02/2023 16:20	S23110211.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 16:20	S23110211.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 16:20	S23110211.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 16:20	S23110211.D
Benzene	71-43-2	<25		25	11/02/2023 16:20	S23110211.D
Trichloroethene	79-01-6	<10		10	11/02/2023 16:20	S23110211.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 16:20	S23110211.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 16:20	S23110211.D
Toluene	108-88-3	<25		25	11/02/2023 16:20	S23110211.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 16:20	S23110211.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 16:20	S23110211.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 16:20	S23110211.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 16:20	S23110211.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 16:20	S23110211.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 16:20	S23110211.D
o-Xylene	95-47-6	<25		25	11/02/2023 16:20	S23110211.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 16:20	S23110211.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 16:20	S23110211.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 16:20	S23110211.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 16:20	S23110211.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 16:20	S23110211.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 16:20	S23110211.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 16:20	S23110211.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 16:20	S23110211.D
Naphthalene	91-20-3	<25		25	11/02/2023 16:20	S23110211.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 16:20	S23110211.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 16:20	S23110211.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 16:20	S23110211.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 16:20	S23110211.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	120%	70-130		11/02/2023 16:20	S23110211.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		11/02/2023 16:20	S23110211.D
Surrogate: Bromofluorobenzene	460-00-4	93.9%	70-130		11/02/2023 16:20	S23110211.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-08

09R_SG_08_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	11/02/2023 16:50	S23110212.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 16:50	S23110212.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 16:50	S23110212.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 16:50	S23110212.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 16:50	S23110212.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 16:50	S23110212.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 16:50	S23110212.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 16:50	S23110212.D
Chloroform	67-66-3	<10		10	11/02/2023 16:50	S23110212.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 16:50	S23110212.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 16:50	S23110212.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 16:50	S23110212.D
Benzene	71-43-2	<25		25	11/02/2023 16:50	S23110212.D
Trichloroethene	79-01-6	<10		10	11/02/2023 16:50	S23110212.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 16:50	S23110212.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 16:50	S23110212.D
Toluene	108-88-3	<25		25	11/02/2023 16:50	S23110212.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 16:50	S23110212.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 16:50	S23110212.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 16:50	S23110212.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 16:50	S23110212.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 16:50	S23110212.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 16:50	S23110212.D
o-Xylene	95-47-6	<25		25	11/02/2023 16:50	S23110212.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 16:50	S23110212.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 16:50	S23110212.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 16:50	S23110212.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 16:50	S23110212.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 16:50	S23110212.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 16:50	S23110212.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 16:50	S23110212.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 16:50	S23110212.D
Naphthalene	91-20-3	<25		25	11/02/2023 16:50	S23110212.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 16:50	S23110212.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 16:50	S23110212.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 16:50	S23110212.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 16:50	S23110212.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	117%	70-130		11/02/2023 16:50	S23110212.D
Surrogate: Toluene-d8	2037-26-5	95.1%	70-130		11/02/2023 16:50	S23110212.D
Surrogate: Bromofluorobenzene	460-00-4	96.3%	70-130		11/02/2023 16:50	S23110212.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-09	09R_SG_09_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 17:20	S23110213.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 17:20	S23110213.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 17:20	S23110213.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 17:20	S23110213.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 17:20	S23110213.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 17:20	S23110213.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 17:20	S23110213.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 17:20	S23110213.D
Chloroform	67-66-3	<10		10	11/02/2023 17:20	S23110213.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 17:20	S23110213.D
1,1,1-Trichloroethane	71-55-6	21		10	11/02/2023 17:20	S23110213.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 17:20	S23110213.D
Benzene	71-43-2	<25		25	11/02/2023 17:20	S23110213.D
Trichloroethene	79-01-6	17		10	11/02/2023 17:20	S23110213.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 17:20	S23110213.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 17:20	S23110213.D
Toluene	108-88-3	<25		25	11/02/2023 17:20	S23110213.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 17:20	S23110213.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 17:20	S23110213.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 17:20	S23110213.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 17:20	S23110213.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 17:20	S23110213.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 17:20	S23110213.D
o-Xylene	95-47-6	<25		25	11/02/2023 17:20	S23110213.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 17:20	S23110213.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 17:20	S23110213.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 17:20	S23110213.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 17:20	S23110213.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 17:20	S23110213.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 17:20	S23110213.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 17:20	S23110213.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 17:20	S23110213.D
Naphthalene	91-20-3	<25		25	11/02/2023 17:20	S23110213.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 17:20	S23110213.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 17:20	S23110213.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 17:20	S23110213.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 17:20	S23110213.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 17:20	S23110213.D
Surrogate: Toluene-d8	2037-26-5	95.1%	70-130		11/02/2023 17:20	S23110213.D
Surrogate: Bromofluorobenzene	460-00-4	93.3%	70-130		11/02/2023 17:20	S23110213.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-10	09R_SG_10_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 17:50	S23110214.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 17:50	S23110214.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 17:50	S23110214.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 17:50	S23110214.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 17:50	S23110214.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 17:50	S23110214.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 17:50	S23110214.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 17:50	S23110214.D
Chloroform	67-66-3	<10		10	11/02/2023 17:50	S23110214.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 17:50	S23110214.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 17:50	S23110214.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 17:50	S23110214.D
Benzene	71-43-2	<25		25	11/02/2023 17:50	S23110214.D
Trichloroethene	79-01-6	<10		10	11/02/2023 17:50	S23110214.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 17:50	S23110214.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 17:50	S23110214.D
Toluene	108-88-3	<25		25	11/02/2023 17:50	S23110214.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 17:50	S23110214.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 17:50	S23110214.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 17:50	S23110214.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 17:50	S23110214.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 17:50	S23110214.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 17:50	S23110214.D
o-Xylene	95-47-6	<25		25	11/02/2023 17:50	S23110214.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 17:50	S23110214.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 17:50	S23110214.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 17:50	S23110214.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 17:50	S23110214.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 17:50	S23110214.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 17:50	S23110214.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 17:50	S23110214.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 17:50	S23110214.D
Naphthalene	91-20-3	<25		25	11/02/2023 17:50	S23110214.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 17:50	S23110214.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 17:50	S23110214.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 17:50	S23110214.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 17:50	S23110214.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 17:50	S23110214.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		11/02/2023 17:50	S23110214.D
Surrogate: Bromofluorobenzene	460-00-4	95.7%	70-130		11/02/2023 17:50	S23110214.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-11	09R_SG_11_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 18:21	S23110215.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 18:21	S23110215.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 18:21	S23110215.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 18:21	S23110215.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 18:21	S23110215.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 18:21	S23110215.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 18:21	S23110215.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 18:21	S23110215.D
Chloroform	67-66-3	<10		10	11/02/2023 18:21	S23110215.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 18:21	S23110215.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 18:21	S23110215.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 18:21	S23110215.D
Benzene	71-43-2	<25		25	11/02/2023 18:21	S23110215.D
Trichloroethene	79-01-6	<10		10	11/02/2023 18:21	S23110215.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 18:21	S23110215.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 18:21	S23110215.D
Toluene	108-88-3	<25		25	11/02/2023 18:21	S23110215.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 18:21	S23110215.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 18:21	S23110215.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 18:21	S23110215.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 18:21	S23110215.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 18:21	S23110215.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 18:21	S23110215.D
o-Xylene	95-47-6	<25		25	11/02/2023 18:21	S23110215.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 18:21	S23110215.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 18:21	S23110215.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 18:21	S23110215.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 18:21	S23110215.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 18:21	S23110215.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 18:21	S23110215.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 18:21	S23110215.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 18:21	S23110215.D
Naphthalene	91-20-3	<25		25	11/02/2023 18:21	S23110215.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 18:21	S23110215.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 18:21	S23110215.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 18:21	S23110215.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 18:21	S23110215.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	115%	70-130		11/02/2023 18:21	S23110215.D
Surrogate: Toluene-d8	2037-26-5	94.3%	70-130		11/02/2023 18:21	S23110215.D
Surrogate: Bromofluorobenzene	460-00-4	98.7%	70-130		11/02/2023 18:21	S23110215.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-12	09R_SG_12_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	13		10	11/02/2023 18:51	S23110216.D
1,1-Dichloroethene	75-35-4	125		10	11/02/2023 18:51	S23110216.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 18:51	S23110216.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 18:51	S23110216.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 18:51	S23110216.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 18:51	S23110216.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 18:51	S23110216.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 18:51	S23110216.D
Chloroform	67-66-3	<10		10	11/02/2023 18:51	S23110216.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 18:51	S23110216.D
1,1,1-Trichloroethane	71-55-6	277		10	11/02/2023 18:51	S23110216.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 18:51	S23110216.D
Benzene	71-43-2	48		25	11/02/2023 18:51	S23110216.D
Trichloroethene	79-01-6	356		10	11/02/2023 18:51	S23110216.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 18:51	S23110216.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 18:51	S23110216.D
Toluene	108-88-3	<25		25	11/02/2023 18:51	S23110216.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 18:51	S23110216.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 18:51	S23110216.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 18:51	S23110216.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 18:51	S23110216.D
Ethylbenzene	100-41-4	349		25	11/02/2023 18:51	S23110216.D
p & m-Xylene	179601-23-1	1,250		25	11/02/2023 18:51	S23110216.D
o-Xylene	95-47-6	389		25	11/02/2023 18:51	S23110216.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 18:51	S23110216.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 18:51	S23110216.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 18:51	S23110216.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 18:51	S23110216.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 18:51	S23110216.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 18:51	S23110216.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 18:51	S23110216.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 18:51	S23110216.D
Naphthalene	91-20-3	<25		25	11/02/2023 18:51	S23110216.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 18:51	S23110216.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 18:51	S23110216.D
☉ TPH C5-C8		6,470		5,000	11/02/2023 18:51	S23110216.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 18:51	S23110216.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	114%	70-130		11/02/2023 18:51	S23110216.D
Surrogate: Toluene-d8	2037-26-5	112%	70-130		11/02/2023 18:51	S23110216.D
Surrogate: Bromofluorobenzene	460-00-4	99.2%	70-130		11/02/2023 18:51	S23110216.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-13	09R_SG_13_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	111		10	11/02/2023 19:21	S23110217.D
1,1-Dichloroethene	75-35-4	803		10	11/02/2023 19:21	S23110217.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 19:21	S23110217.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 19:21	S23110217.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 19:21	S23110217.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 19:21	S23110217.D
1,1-Dichloroethane	75-34-3	195		10	11/02/2023 19:21	S23110217.D
cis-1,2-Dichloroethene	156-59-2	36		10	11/02/2023 19:21	S23110217.D
Chloroform	67-66-3	<10		10	11/02/2023 19:21	S23110217.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 19:21	S23110217.D
1,1,1-Trichloroethane	71-55-6	2,080	D	192	11/03/2023 14:10	S23110305.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 19:21	S23110217.D
Benzene	71-43-2	<25		25	11/02/2023 19:21	S23110217.D
Trichloroethene	79-01-6	4,270		10	11/02/2023 19:21	S23110217.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 19:21	S23110217.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 19:21	S23110217.D
Toluene	108-88-3	<25		25	11/02/2023 19:21	S23110217.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 19:21	S23110217.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 19:21	S23110217.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 19:21	S23110217.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 19:21	S23110217.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 19:21	S23110217.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 19:21	S23110217.D
o-Xylene	95-47-6	<25		25	11/02/2023 19:21	S23110217.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 19:21	S23110217.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 19:21	S23110217.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 19:21	S23110217.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 19:21	S23110217.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 19:21	S23110217.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 19:21	S23110217.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 19:21	S23110217.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 19:21	S23110217.D
Naphthalene	91-20-3	<25		25	11/02/2023 19:21	S23110217.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 19:21	S23110217.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 19:21	S23110217.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 19:21	S23110217.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 19:21	S23110217.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	124%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 19:21	S23110217.D
Surrogate: Toluene-d8	2037-26-5	99.0%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: Toluene-d8	2037-26-5	94.2%	70-130		11/02/2023 19:21	S23110217.D
Surrogate: Bromofluorobenzene	460-00-4	89.2%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: Bromofluorobenzene	460-00-4	95.0%	70-130		11/02/2023 19:21	S23110217.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-14	09R_SG_14_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 19:51	S23110218.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 19:51	S23110218.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 19:51	S23110218.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 19:51	S23110218.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 19:51	S23110218.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 19:51	S23110218.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 19:51	S23110218.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 19:51	S23110218.D
Chloroform	67-66-3	<10		10	11/02/2023 19:51	S23110218.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 19:51	S23110218.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 19:51	S23110218.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 19:51	S23110218.D
Benzene	71-43-2	<25		25	11/02/2023 19:51	S23110218.D
Trichloroethene	79-01-6	<10		10	11/02/2023 19:51	S23110218.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 19:51	S23110218.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 19:51	S23110218.D
Toluene	108-88-3	<25		25	11/02/2023 19:51	S23110218.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 19:51	S23110218.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 19:51	S23110218.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 19:51	S23110218.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 19:51	S23110218.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 19:51	S23110218.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 19:51	S23110218.D
o-Xylene	95-47-6	<25		25	11/02/2023 19:51	S23110218.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 19:51	S23110218.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 19:51	S23110218.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 19:51	S23110218.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 19:51	S23110218.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 19:51	S23110218.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 19:51	S23110218.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 19:51	S23110218.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 19:51	S23110218.D
Naphthalene	91-20-3	<25		25	11/02/2023 19:51	S23110218.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 19:51	S23110218.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 19:51	S23110218.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 19:51	S23110218.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 19:51	S23110218.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	113%	70-130		11/02/2023 19:51	S23110218.D
Surrogate: Toluene-d8	2037-26-5	94.5%	70-130		11/02/2023 19:51	S23110218.D
Surrogate: Bromofluorobenzene	460-00-4	93.7%	70-130		11/02/2023 19:51	S23110218.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-15

09R_SG_15_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	11/02/2023 20:21	S23110219.D	
1,1-Dichloroethene	75-35-4	<10	10	11/02/2023 20:21	S23110219.D	
Methylene Chloride	75-09-2	<10	10	11/02/2023 20:21	S23110219.D	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	11/02/2023 20:21	S23110219.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	11/02/2023 20:21	S23110219.D	
Methyl-t-butyl ether	1634-04-4	<25	25	11/02/2023 20:21	S23110219.D	
1,1-Dichloroethane	75-34-3	<10	10	11/02/2023 20:21	S23110219.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	11/02/2023 20:21	S23110219.D	
Chloroform	67-66-3	<10	10	11/02/2023 20:21	S23110219.D	
1,2-Dichloroethane	107-06-2	<10	10	11/02/2023 20:21	S23110219.D	
1,1,1-Trichloroethane	71-55-6	<10	10	11/02/2023 20:21	S23110219.D	
Carbon Tetrachloride	56-23-5	<10	10	11/02/2023 20:21	S23110219.D	
Benzene	71-43-2	<25	25	11/02/2023 20:21	S23110219.D	
Trichloroethene	79-01-6	<10	10	11/02/2023 20:21	S23110219.D	
1,4-Dioxane	123-91-1	<10	10	11/02/2023 20:21	S23110219.D	
1,1,2-Trichloroethane	79-00-5	<10	10	11/02/2023 20:21	S23110219.D	
Toluene	108-88-3	<25	25	11/02/2023 20:21	S23110219.D	
1,2-Dibromoethane (EDB)	106-93-4	<10	10	11/02/2023 20:21	S23110219.D	
Tetrachloroethene	127-18-4	<10	10	11/02/2023 20:21	S23110219.D	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	11/02/2023 20:21	S23110219.D	
Chlorobenzene	108-90-7	<10	10	11/02/2023 20:21	S23110219.D	
Ethylbenzene	100-41-4	188	25	11/02/2023 20:21	S23110219.D	
p & m-Xylene	179601-23-1	768	25	11/02/2023 20:21	S23110219.D	
o-Xylene	95-47-6	273	25	11/02/2023 20:21	S23110219.D	
1,2,3-Trichloropropane	96-18-4	<10	10	11/02/2023 20:21	S23110219.D	
Isopropylbenzene	98-82-8	<25	25	11/02/2023 20:21	S23110219.D	
1,3,5-Trimethylbenzene	108-67-8	<25	25	11/02/2023 20:21	S23110219.D	
1,2,4-Trimethylbenzene	95-63-6	<25	25	11/02/2023 20:21	S23110219.D	
1,3-Dichlorobenzene	541-73-1	<10	10	11/02/2023 20:21	S23110219.D	
1,4-Dichlorobenzene	106-46-7	<10	10	11/02/2023 20:21	S23110219.D	
1,2-Dichlorobenzene	95-50-1	<10	10	11/02/2023 20:21	S23110219.D	
1,2,4-Trichlorobenzene	120-82-1	<10	10	11/02/2023 20:21	S23110219.D	
Naphthalene	91-20-3	<25	25	11/02/2023 20:21	S23110219.D	
1,2,3-Trichlorobenzene	87-61-6	<10	10	11/02/2023 20:21	S23110219.D	
2-Methylnaphthalene	91-57-6	<25	25	11/02/2023 20:21	S23110219.D	
☉ TPH C5-C8		<5,000	5,000	11/02/2023 20:21	S23110219.D	
☉ TPH C9-C15		<5,000	5,000	11/02/2023 20:21	S23110219.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 20:21	S23110219.D
Surrogate: Toluene-d8	2037-26-5	95.4%	70-130		11/02/2023 20:21	S23110219.D
Surrogate: Bromofluorobenzene	460-00-4	96.0%	70-130		11/02/2023 20:21	S23110219.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-16	09R_SG_16_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 20:55	S23110220.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 20:55	S23110220.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 20:55	S23110220.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 20:55	S23110220.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 20:55	S23110220.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 20:55	S23110220.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 20:55	S23110220.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 20:55	S23110220.D
Chloroform	67-66-3	<10		10	11/02/2023 20:55	S23110220.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 20:55	S23110220.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 20:55	S23110220.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 20:55	S23110220.D
Benzene	71-43-2	<25		25	11/02/2023 20:55	S23110220.D
Trichloroethene	79-01-6	<10		10	11/02/2023 20:55	S23110220.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 20:55	S23110220.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 20:55	S23110220.D
Toluene	108-88-3	<25		25	11/02/2023 20:55	S23110220.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 20:55	S23110220.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 20:55	S23110220.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 20:55	S23110220.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 20:55	S23110220.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 20:55	S23110220.D
p & m-Xylene	179601-23-1	48		25	11/02/2023 20:55	S23110220.D
o-Xylene	95-47-6	<25		25	11/02/2023 20:55	S23110220.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 20:55	S23110220.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 20:55	S23110220.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 20:55	S23110220.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 20:55	S23110220.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 20:55	S23110220.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 20:55	S23110220.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 20:55	S23110220.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 20:55	S23110220.D
Naphthalene	91-20-3	<25		25	11/02/2023 20:55	S23110220.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 20:55	S23110220.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 20:55	S23110220.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 20:55	S23110220.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 20:55	S23110220.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	115%	70-130		11/02/2023 20:55	S23110220.D
Surrogate: Toluene-d8	2037-26-5	92.5%	70-130		11/02/2023 20:55	S23110220.D
Surrogate: Bromofluorobenzene	460-00-4	94.3%	70-130		11/02/2023 20:55	S23110220.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-17	09R_SG_17_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 21:25	S23110221.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 21:25	S23110221.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 21:25	S23110221.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 21:25	S23110221.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 21:25	S23110221.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 21:25	S23110221.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 21:25	S23110221.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 21:25	S23110221.D
Chloroform	67-66-3	<10		10	11/02/2023 21:25	S23110221.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 21:25	S23110221.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 21:25	S23110221.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 21:25	S23110221.D
Benzene	71-43-2	<25		25	11/02/2023 21:25	S23110221.D
Trichloroethene	79-01-6	<10		10	11/02/2023 21:25	S23110221.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 21:25	S23110221.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 21:25	S23110221.D
Toluene	108-88-3	<25		25	11/02/2023 21:25	S23110221.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 21:25	S23110221.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 21:25	S23110221.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 21:25	S23110221.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 21:25	S23110221.D
Ethylbenzene	100-41-4	61		25	11/02/2023 21:25	S23110221.D
p & m-Xylene	179601-23-1	300		25	11/02/2023 21:25	S23110221.D
o-Xylene	95-47-6	101		25	11/02/2023 21:25	S23110221.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 21:25	S23110221.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 21:25	S23110221.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 21:25	S23110221.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 21:25	S23110221.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 21:25	S23110221.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 21:25	S23110221.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 21:25	S23110221.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 21:25	S23110221.D
Naphthalene	91-20-3	<25		25	11/02/2023 21:25	S23110221.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 21:25	S23110221.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 21:25	S23110221.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 21:25	S23110221.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 21:25	S23110221.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	113%	70-130		11/02/2023 21:25	S23110221.D
Surrogate: Toluene-d8	2037-26-5	91.7%	70-130		11/02/2023 21:25	S23110221.D
Surrogate: Bromofluorobenzene	460-00-4	94.6%	70-130		11/02/2023 21:25	S23110221.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-18	09R_SG_18_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 21:55	S23110222.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 21:55	S23110222.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 21:55	S23110222.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 21:55	S23110222.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 21:55	S23110222.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 21:55	S23110222.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 21:55	S23110222.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 21:55	S23110222.D
Chloroform	67-66-3	<10		10	11/02/2023 21:55	S23110222.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 21:55	S23110222.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 21:55	S23110222.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 21:55	S23110222.D
Benzene	71-43-2	<25		25	11/02/2023 21:55	S23110222.D
Trichloroethene	79-01-6	<10		10	11/02/2023 21:55	S23110222.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 21:55	S23110222.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 21:55	S23110222.D
Toluene	108-88-3	<25		25	11/02/2023 21:55	S23110222.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 21:55	S23110222.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 21:55	S23110222.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 21:55	S23110222.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 21:55	S23110222.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 21:55	S23110222.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 21:55	S23110222.D
o-Xylene	95-47-6	<25		25	11/02/2023 21:55	S23110222.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 21:55	S23110222.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 21:55	S23110222.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 21:55	S23110222.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 21:55	S23110222.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 21:55	S23110222.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 21:55	S23110222.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 21:55	S23110222.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 21:55	S23110222.D
Naphthalene	91-20-3	<25		25	11/02/2023 21:55	S23110222.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 21:55	S23110222.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 21:55	S23110222.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 21:55	S23110222.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 21:55	S23110222.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	109%	70-130		11/02/2023 21:55	S23110222.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		11/02/2023 21:55	S23110222.D
Surrogate: Bromofluorobenzene	460-00-4	95.7%	70-130		11/02/2023 21:55	S23110222.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-19

09R_SG_19_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	11/02/2023 22:25	S23110223.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 22:25	S23110223.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 22:25	S23110223.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 22:25	S23110223.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 22:25	S23110223.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 22:25	S23110223.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 22:25	S23110223.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 22:25	S23110223.D
Chloroform	67-66-3	<10		10	11/02/2023 22:25	S23110223.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 22:25	S23110223.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 22:25	S23110223.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 22:25	S23110223.D
Benzene	71-43-2	<25		25	11/02/2023 22:25	S23110223.D
Trichloroethene	79-01-6	<10		10	11/02/2023 22:25	S23110223.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 22:25	S23110223.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 22:25	S23110223.D
Toluene	108-88-3	<25		25	11/02/2023 22:25	S23110223.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 22:25	S23110223.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 22:25	S23110223.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 22:25	S23110223.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 22:25	S23110223.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 22:25	S23110223.D
p & m-Xylene	179601-23-1	95		25	11/02/2023 22:25	S23110223.D
o-Xylene	95-47-6	27		25	11/02/2023 22:25	S23110223.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 22:25	S23110223.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 22:25	S23110223.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 22:25	S23110223.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 22:25	S23110223.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 22:25	S23110223.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 22:25	S23110223.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 22:25	S23110223.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 22:25	S23110223.D
Naphthalene	91-20-3	<25		25	11/02/2023 22:25	S23110223.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 22:25	S23110223.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 22:25	S23110223.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 22:25	S23110223.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 22:25	S23110223.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	112%	70-130		11/02/2023 22:25	S23110223.D
Surrogate: Toluene-d8	2037-26-5	95.6%	70-130		11/02/2023 22:25	S23110223.D
Surrogate: Bromofluorobenzene	460-00-4	93.7%	70-130		11/02/2023 22:25	S23110223.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-20	09R_SG_20_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/02/2023 22:54	S23110224.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 22:54	S23110224.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 22:54	S23110224.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 22:54	S23110224.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 22:54	S23110224.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 22:54	S23110224.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 22:54	S23110224.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 22:54	S23110224.D
Chloroform	67-66-3	<10		10	11/02/2023 22:54	S23110224.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 22:54	S23110224.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 22:54	S23110224.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 22:54	S23110224.D
Benzene	71-43-2	<25		25	11/02/2023 22:54	S23110224.D
Trichloroethene	79-01-6	<10		10	11/02/2023 22:54	S23110224.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 22:54	S23110224.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 22:54	S23110224.D
Toluene	108-88-3	<25		25	11/02/2023 22:54	S23110224.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 22:54	S23110224.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 22:54	S23110224.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 22:54	S23110224.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 22:54	S23110224.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 22:54	S23110224.D
p & m-Xylene	179601-23-1	81		25	11/02/2023 22:54	S23110224.D
o-Xylene	95-47-6	<25		25	11/02/2023 22:54	S23110224.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 22:54	S23110224.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 22:54	S23110224.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 22:54	S23110224.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 22:54	S23110224.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 22:54	S23110224.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 22:54	S23110224.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 22:54	S23110224.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 22:54	S23110224.D
Naphthalene	91-20-3	<25		25	11/02/2023 22:54	S23110224.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 22:54	S23110224.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 22:54	S23110224.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 22:54	S23110224.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 22:54	S23110224.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	110%	70-130		11/02/2023 22:54	S23110224.D
Surrogate: Toluene-d8	2037-26-5	94.3%	70-130		11/02/2023 22:54	S23110224.D
Surrogate: Bromofluorobenzene	460-00-4	97.9%	70-130		11/02/2023 22:54	S23110224.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-21

09R_SG_21_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	11/02/2023 23:25	S23110225.D
1,1-Dichloroethene	75-35-4	<10		10	11/02/2023 23:25	S23110225.D
Methylene Chloride	75-09-2	<10		10	11/02/2023 23:25	S23110225.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/02/2023 23:25	S23110225.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/02/2023 23:25	S23110225.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/02/2023 23:25	S23110225.D
1,1-Dichloroethane	75-34-3	<10		10	11/02/2023 23:25	S23110225.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/02/2023 23:25	S23110225.D
Chloroform	67-66-3	<10		10	11/02/2023 23:25	S23110225.D
1,2-Dichloroethane	107-06-2	<10		10	11/02/2023 23:25	S23110225.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/02/2023 23:25	S23110225.D
Carbon Tetrachloride	56-23-5	<10		10	11/02/2023 23:25	S23110225.D
Benzene	71-43-2	32		25	11/02/2023 23:25	S23110225.D
Trichloroethene	79-01-6	<10		10	11/02/2023 23:25	S23110225.D
1,4-Dioxane	123-91-1	<10		10	11/02/2023 23:25	S23110225.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/02/2023 23:25	S23110225.D
Toluene	108-88-3	<25		25	11/02/2023 23:25	S23110225.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/02/2023 23:25	S23110225.D
Tetrachloroethene	127-18-4	<10		10	11/02/2023 23:25	S23110225.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/02/2023 23:25	S23110225.D
Chlorobenzene	108-90-7	<10		10	11/02/2023 23:25	S23110225.D
Ethylbenzene	100-41-4	<25		25	11/02/2023 23:25	S23110225.D
p & m-Xylene	179601-23-1	<25		25	11/02/2023 23:25	S23110225.D
o-Xylene	95-47-6	<25		25	11/02/2023 23:25	S23110225.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/02/2023 23:25	S23110225.D
Isopropylbenzene	98-82-8	<25		25	11/02/2023 23:25	S23110225.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/02/2023 23:25	S23110225.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/02/2023 23:25	S23110225.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/02/2023 23:25	S23110225.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/02/2023 23:25	S23110225.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/02/2023 23:25	S23110225.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/02/2023 23:25	S23110225.D
Naphthalene	91-20-3	<25		25	11/02/2023 23:25	S23110225.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/02/2023 23:25	S23110225.D
2-Methylnaphthalene	91-57-6	<25		25	11/02/2023 23:25	S23110225.D
☉ TPH C5-C8		<5,000		5,000	11/02/2023 23:25	S23110225.D
☉ TPH C9-C15		<5,000		5,000	11/02/2023 23:25	S23110225.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	110%	70-130		11/02/2023 23:25	S23110225.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		11/02/2023 23:25	S23110225.D
Surrogate: Bromofluorobenzene	460-00-4	99.1%	70-130		11/02/2023 23:25	S23110225.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-22

09R_SG_22_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	11/02/2023 23:54	S23110226.D	
1,1-Dichloroethene	75-35-4	<10	10	11/02/2023 23:54	S23110226.D	
Methylene Chloride	75-09-2	<10	10	11/02/2023 23:54	S23110226.D	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	11/02/2023 23:54	S23110226.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	11/02/2023 23:54	S23110226.D	
Methyl-t-butyl ether	1634-04-4	<25	25	11/02/2023 23:54	S23110226.D	
1,1-Dichloroethane	75-34-3	<10	10	11/02/2023 23:54	S23110226.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	11/02/2023 23:54	S23110226.D	
Chloroform	67-66-3	<10	10	11/02/2023 23:54	S23110226.D	
1,2-Dichloroethane	107-06-2	<10	10	11/02/2023 23:54	S23110226.D	
1,1,1-Trichloroethane	71-55-6	<10	10	11/02/2023 23:54	S23110226.D	
Carbon Tetrachloride	56-23-5	<10	10	11/02/2023 23:54	S23110226.D	
Benzene	71-43-2	45	25	11/02/2023 23:54	S23110226.D	
Trichloroethene	79-01-6	<10	10	11/02/2023 23:54	S23110226.D	
1,4-Dioxane	123-91-1	<10	10	11/02/2023 23:54	S23110226.D	
1,1,2-Trichloroethane	79-00-5	<10	10	11/02/2023 23:54	S23110226.D	
Toluene	108-88-3	<25	25	11/02/2023 23:54	S23110226.D	
1,2-Dibromoethane (EDB)	106-93-4	<10	10	11/02/2023 23:54	S23110226.D	
Tetrachloroethene	127-18-4	<10	10	11/02/2023 23:54	S23110226.D	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	11/02/2023 23:54	S23110226.D	
Chlorobenzene	108-90-7	<10	10	11/02/2023 23:54	S23110226.D	
Ethylbenzene	100-41-4	<25	25	11/02/2023 23:54	S23110226.D	
p & m-Xylene	179601-23-1	<25	25	11/02/2023 23:54	S23110226.D	
o-Xylene	95-47-6	<25	25	11/02/2023 23:54	S23110226.D	
1,2,3-Trichloropropane	96-18-4	<10	10	11/02/2023 23:54	S23110226.D	
Isopropylbenzene	98-82-8	<25	25	11/02/2023 23:54	S23110226.D	
1,3,5-Trimethylbenzene	108-67-8	<25	25	11/02/2023 23:54	S23110226.D	
1,2,4-Trimethylbenzene	95-63-6	<25	25	11/02/2023 23:54	S23110226.D	
1,3-Dichlorobenzene	541-73-1	<10	10	11/02/2023 23:54	S23110226.D	
1,4-Dichlorobenzene	106-46-7	<10	10	11/02/2023 23:54	S23110226.D	
1,2-Dichlorobenzene	95-50-1	<10	10	11/02/2023 23:54	S23110226.D	
1,2,4-Trichlorobenzene	120-82-1	<10	10	11/02/2023 23:54	S23110226.D	
Naphthalene	91-20-3	<25	25	11/02/2023 23:54	S23110226.D	
1,2,3-Trichlorobenzene	87-61-6	<10	10	11/02/2023 23:54	S23110226.D	
2-Methylnaphthalene	91-57-6	<25	25	11/02/2023 23:54	S23110226.D	
☉ TPH C5-C8		6,470	5,000	11/02/2023 23:54	S23110226.D	
☉ TPH C9-C15		<5,000	5,000	11/02/2023 23:54	S23110226.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	108%	70-130		11/02/2023 23:54	S23110226.D
Surrogate: Toluene-d8	2037-26-5	94.9%	70-130		11/02/2023 23:54	S23110226.D
Surrogate: Bromofluorobenzene	460-00-4	101%	70-130		11/02/2023 23:54	S23110226.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-23	09R_SG_23_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 00:23	S23110227.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 00:23	S23110227.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 00:23	S23110227.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 00:23	S23110227.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 00:23	S23110227.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 00:23	S23110227.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 00:23	S23110227.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 00:23	S23110227.D
Chloroform	67-66-3	<10		10	11/03/2023 00:23	S23110227.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 00:23	S23110227.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 00:23	S23110227.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 00:23	S23110227.D
Benzene	71-43-2	<25		25	11/03/2023 00:23	S23110227.D
Trichloroethene	79-01-6	<10		10	11/03/2023 00:23	S23110227.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 00:23	S23110227.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 00:23	S23110227.D
Toluene	108-88-3	<25		25	11/03/2023 00:23	S23110227.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 00:23	S23110227.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 00:23	S23110227.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 00:23	S23110227.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 00:23	S23110227.D
Ethylbenzene	100-41-4	<25		25	11/03/2023 00:23	S23110227.D
p & m-Xylene	179601-23-1	<25		25	11/03/2023 00:23	S23110227.D
o-Xylene	95-47-6	<25		25	11/03/2023 00:23	S23110227.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 00:23	S23110227.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 00:23	S23110227.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 00:23	S23110227.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 00:23	S23110227.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 00:23	S23110227.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 00:23	S23110227.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 00:23	S23110227.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 00:23	S23110227.D
Naphthalene	91-20-3	<25		25	11/03/2023 00:23	S23110227.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 00:23	S23110227.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 00:23	S23110227.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 00:23	S23110227.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 00:23	S23110227.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	109%	70-130		11/03/2023 00:23	S23110227.D
Surrogate: Toluene-d8	2037-26-5	93.6%	70-130		11/03/2023 00:23	S23110227.D
Surrogate: Bromofluorobenzene	460-00-4	98.9%	70-130		11/03/2023 00:23	S23110227.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-24	09R_SG_24_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 00:52	S23110228.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 00:52	S23110228.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 00:52	S23110228.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 00:52	S23110228.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 00:52	S23110228.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 00:52	S23110228.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 00:52	S23110228.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 00:52	S23110228.D
Chloroform	67-66-3	<10		10	11/03/2023 00:52	S23110228.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 00:52	S23110228.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 00:52	S23110228.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 00:52	S23110228.D
Benzene	71-43-2	<25		25	11/03/2023 00:52	S23110228.D
Trichloroethene	79-01-6	<10		10	11/03/2023 00:52	S23110228.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 00:52	S23110228.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 00:52	S23110228.D
Toluene	108-88-3	261		25	11/03/2023 00:52	S23110228.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 00:52	S23110228.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 00:52	S23110228.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 00:52	S23110228.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 00:52	S23110228.D
Ethylbenzene	100-41-4	<25		25	11/03/2023 00:52	S23110228.D
p & m-Xylene	179601-23-1	<25		25	11/03/2023 00:52	S23110228.D
o-Xylene	95-47-6	<25		25	11/03/2023 00:52	S23110228.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 00:52	S23110228.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 00:52	S23110228.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 00:52	S23110228.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 00:52	S23110228.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 00:52	S23110228.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 00:52	S23110228.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 00:52	S23110228.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 00:52	S23110228.D
Naphthalene	91-20-3	<25		25	11/03/2023 00:52	S23110228.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 00:52	S23110228.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 00:52	S23110228.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 00:52	S23110228.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 00:52	S23110228.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/03/2023 00:52	S23110228.D
Surrogate: Toluene-d8	2037-26-5	90.4%	70-130		11/03/2023 00:52	S23110228.D
Surrogate: Bromofluorobenzene	460-00-4	120%	70-130		11/03/2023 00:52	S23110228.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-25	09R_SG_25_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 01:21	S23110229.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 01:21	S23110229.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 01:21	S23110229.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 01:21	S23110229.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 01:21	S23110229.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 01:21	S23110229.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 01:21	S23110229.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 01:21	S23110229.D
Chloroform	67-66-3	<10		10	11/03/2023 01:21	S23110229.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 01:21	S23110229.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 01:21	S23110229.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 01:21	S23110229.D
Benzene	71-43-2	<25		25	11/03/2023 01:21	S23110229.D
Trichloroethene	79-01-6	<10		10	11/03/2023 01:21	S23110229.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 01:21	S23110229.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 01:21	S23110229.D
Toluene	108-88-3	<25		25	11/03/2023 01:21	S23110229.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 01:21	S23110229.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 01:21	S23110229.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 01:21	S23110229.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 01:21	S23110229.D
Ethylbenzene	100-41-4	41		25	11/03/2023 01:21	S23110229.D
p & m-Xylene	179601-23-1	107		25	11/03/2023 01:21	S23110229.D
o-Xylene	95-47-6	34		25	11/03/2023 01:21	S23110229.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 01:21	S23110229.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 01:21	S23110229.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 01:21	S23110229.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 01:21	S23110229.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 01:21	S23110229.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 01:21	S23110229.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 01:21	S23110229.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 01:21	S23110229.D
Naphthalene	91-20-3	<25		25	11/03/2023 01:21	S23110229.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 01:21	S23110229.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 01:21	S23110229.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 01:21	S23110229.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 01:21	S23110229.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	106%	70-130		11/03/2023 01:21	S23110229.D
Surrogate: Toluene-d8	2037-26-5	97.4%	70-130		11/03/2023 01:21	S23110229.D
Surrogate: Bromofluorobenzene	460-00-4	101%	70-130		11/03/2023 01:21	S23110229.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-26

09R_SG_26_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 01:51	S23110230.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 01:51	S23110230.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 01:51	S23110230.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 01:51	S23110230.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 01:51	S23110230.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 01:51	S23110230.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 01:51	S23110230.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 01:51	S23110230.D
Chloroform	67-66-3	<10		10	11/03/2023 01:51	S23110230.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 01:51	S23110230.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 01:51	S23110230.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 01:51	S23110230.D
Benzene	71-43-2	<25		25	11/03/2023 01:51	S23110230.D
Trichloroethene	79-01-6	<10		10	11/03/2023 01:51	S23110230.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 01:51	S23110230.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 01:51	S23110230.D
Toluene	108-88-3	<25		25	11/03/2023 01:51	S23110230.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 01:51	S23110230.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 01:51	S23110230.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 01:51	S23110230.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 01:51	S23110230.D
Ethylbenzene	100-41-4	<25		25	11/03/2023 01:51	S23110230.D
p & m-Xylene	179601-23-1	72		25	11/03/2023 01:51	S23110230.D
o-Xylene	95-47-6	<25		25	11/03/2023 01:51	S23110230.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 01:51	S23110230.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 01:51	S23110230.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 01:51	S23110230.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 01:51	S23110230.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 01:51	S23110230.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 01:51	S23110230.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 01:51	S23110230.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 01:51	S23110230.D
Naphthalene	91-20-3	<25		25	11/03/2023 01:51	S23110230.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 01:51	S23110230.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 01:51	S23110230.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 01:51	S23110230.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 01:51	S23110230.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	112%	70-130		11/03/2023 01:51	S23110230.D
Surrogate: Toluene-d8	2037-26-5	92.8%	70-130		11/03/2023 01:51	S23110230.D
Surrogate: Bromofluorobenzene	460-00-4	96.6%	70-130		11/03/2023 01:51	S23110230.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-27	09R_SG_27_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 02:20	S23110231.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 02:20	S23110231.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 02:20	S23110231.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 02:20	S23110231.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 02:20	S23110231.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 02:20	S23110231.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 02:20	S23110231.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 02:20	S23110231.D
Chloroform	67-66-3	<10		10	11/03/2023 02:20	S23110231.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 02:20	S23110231.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 02:20	S23110231.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 02:20	S23110231.D
Benzene	71-43-2	<25		25	11/03/2023 02:20	S23110231.D
Trichloroethene	79-01-6	<10		10	11/03/2023 02:20	S23110231.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 02:20	S23110231.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 02:20	S23110231.D
Toluene	108-88-3	<25		25	11/03/2023 02:20	S23110231.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 02:20	S23110231.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 02:20	S23110231.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 02:20	S23110231.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 02:20	S23110231.D
Ethylbenzene	100-41-4	<25		25	11/03/2023 02:20	S23110231.D
p & m-Xylene	179601-23-1	<25		25	11/03/2023 02:20	S23110231.D
o-Xylene	95-47-6	<25		25	11/03/2023 02:20	S23110231.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 02:20	S23110231.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 02:20	S23110231.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 02:20	S23110231.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 02:20	S23110231.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 02:20	S23110231.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 02:20	S23110231.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 02:20	S23110231.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 02:20	S23110231.D
Naphthalene	91-20-3	<25		25	11/03/2023 02:20	S23110231.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 02:20	S23110231.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 02:20	S23110231.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 02:20	S23110231.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 02:20	S23110231.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130		11/03/2023 02:20	S23110231.D
Surrogate: Toluene-d8	2037-26-5	90.2%	70-130		11/03/2023 02:20	S23110231.D
Surrogate: Bromofluorobenzene	460-00-4	95.0%	70-130		11/03/2023 02:20	S23110231.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-28	09R_SG_28_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	11/03/2023 02:49	S23110232.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 02:49	S23110232.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 02:49	S23110232.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 02:49	S23110232.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 02:49	S23110232.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 02:49	S23110232.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 02:49	S23110232.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 02:49	S23110232.D
Chloroform	67-66-3	<10		10	11/03/2023 02:49	S23110232.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 02:49	S23110232.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 02:49	S23110232.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 02:49	S23110232.D
Benzene	71-43-2	<25		25	11/03/2023 02:49	S23110232.D
Trichloroethene	79-01-6	<10		10	11/03/2023 02:49	S23110232.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 02:49	S23110232.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 02:49	S23110232.D
Toluene	108-88-3	<25		25	11/03/2023 02:49	S23110232.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 02:49	S23110232.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 02:49	S23110232.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 02:49	S23110232.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 02:49	S23110232.D
Ethylbenzene	100-41-4	46		25	11/03/2023 02:49	S23110232.D
p & m-Xylene	179601-23-1	210		25	11/03/2023 02:49	S23110232.D
o-Xylene	95-47-6	66		25	11/03/2023 02:49	S23110232.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 02:49	S23110232.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 02:49	S23110232.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 02:49	S23110232.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 02:49	S23110232.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 02:49	S23110232.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 02:49	S23110232.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 02:49	S23110232.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 02:49	S23110232.D
Naphthalene	91-20-3	<25		25	11/03/2023 02:49	S23110232.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 02:49	S23110232.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 02:49	S23110232.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 02:49	S23110232.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 02:49	S23110232.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130		11/03/2023 02:49	S23110232.D
Surrogate: Toluene-d8	2037-26-5	94.0%	70-130		11/03/2023 02:49	S23110232.D
Surrogate: Bromofluorobenzene	460-00-4	98.2%	70-130		11/03/2023 02:49	S23110232.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-29

09R_SG_29_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	11/03/2023 03:18	S23110233.D
1,1-Dichloroethene	75-35-4	<10		10	11/03/2023 03:18	S23110233.D
Methylene Chloride	75-09-2	<10		10	11/03/2023 03:18	S23110233.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	11/03/2023 03:18	S23110233.D
trans-1,2-Dichloroethene	156-60-5	<10		10	11/03/2023 03:18	S23110233.D
Methyl-t-butyl ether	1634-04-4	<25		25	11/03/2023 03:18	S23110233.D
1,1-Dichloroethane	75-34-3	<10		10	11/03/2023 03:18	S23110233.D
cis-1,2-Dichloroethene	156-59-2	<10		10	11/03/2023 03:18	S23110233.D
Chloroform	67-66-3	<10		10	11/03/2023 03:18	S23110233.D
1,2-Dichloroethane	107-06-2	<10		10	11/03/2023 03:18	S23110233.D
1,1,1-Trichloroethane	71-55-6	<10		10	11/03/2023 03:18	S23110233.D
Carbon Tetrachloride	56-23-5	<10		10	11/03/2023 03:18	S23110233.D
Benzene	71-43-2	<25		25	11/03/2023 03:18	S23110233.D
Trichloroethene	79-01-6	<10		10	11/03/2023 03:18	S23110233.D
1,4-Dioxane	123-91-1	<10		10	11/03/2023 03:18	S23110233.D
1,1,2-Trichloroethane	79-00-5	<10		10	11/03/2023 03:18	S23110233.D
Toluene	108-88-3	<25		25	11/03/2023 03:18	S23110233.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	11/03/2023 03:18	S23110233.D
Tetrachloroethene	127-18-4	<10		10	11/03/2023 03:18	S23110233.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	11/03/2023 03:18	S23110233.D
Chlorobenzene	108-90-7	<10		10	11/03/2023 03:18	S23110233.D
Ethylbenzene	100-41-4	<25		25	11/03/2023 03:18	S23110233.D
p & m-Xylene	179601-23-1	<25		25	11/03/2023 03:18	S23110233.D
o-Xylene	95-47-6	<25		25	11/03/2023 03:18	S23110233.D
1,2,3-Trichloropropane	96-18-4	<10		10	11/03/2023 03:18	S23110233.D
Isopropylbenzene	98-82-8	<25		25	11/03/2023 03:18	S23110233.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	11/03/2023 03:18	S23110233.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	11/03/2023 03:18	S23110233.D
1,3-Dichlorobenzene	541-73-1	<10		10	11/03/2023 03:18	S23110233.D
1,4-Dichlorobenzene	106-46-7	<10		10	11/03/2023 03:18	S23110233.D
1,2-Dichlorobenzene	95-50-1	<10		10	11/03/2023 03:18	S23110233.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	11/03/2023 03:18	S23110233.D
Naphthalene	91-20-3	<25		25	11/03/2023 03:18	S23110233.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	11/03/2023 03:18	S23110233.D
2-Methylnaphthalene	91-57-6	<25		25	11/03/2023 03:18	S23110233.D
☉ TPH C5-C8		<5,000		5,000	11/03/2023 03:18	S23110233.D
☉ TPH C9-C15		<5,000		5,000	11/03/2023 03:18	S23110233.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	108%	70-130		11/03/2023 03:18	S23110233.D
Surrogate: Toluene-d8	2037-26-5	85.9%	70-130		11/03/2023 03:18	S23110233.D
Surrogate: Bromofluorobenzene	460-00-4	99.7%	70-130		11/03/2023 03:18	S23110233.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-30	09R_SG_30_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	11/03/2023 03:47	S23110234.D	
1,1-Dichloroethene	75-35-4	<10	10	11/03/2023 03:47	S23110234.D	
Methylene Chloride	75-09-2	<10	10	11/03/2023 03:47	S23110234.D	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	11/03/2023 03:47	S23110234.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	11/03/2023 03:47	S23110234.D	
Methyl-t-butyl ether	1634-04-4	<25	25	11/03/2023 03:47	S23110234.D	
1,1-Dichloroethane	75-34-3	<10	10	11/03/2023 03:47	S23110234.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	11/03/2023 03:47	S23110234.D	
Chloroform	67-66-3	<10	10	11/03/2023 03:47	S23110234.D	
1,2-Dichloroethane	107-06-2	<10	10	11/03/2023 03:47	S23110234.D	
1,1,1-Trichloroethane	71-55-6	<10	10	11/03/2023 03:47	S23110234.D	
Carbon Tetrachloride	56-23-5	<10	10	11/03/2023 03:47	S23110234.D	
Benzene	71-43-2	<25	25	11/03/2023 03:47	S23110234.D	
Trichloroethene	79-01-6	<10	10	11/03/2023 03:47	S23110234.D	
1,4-Dioxane	123-91-1	<10	10	11/03/2023 03:47	S23110234.D	
1,1,2-Trichloroethane	79-00-5	<10	10	11/03/2023 03:47	S23110234.D	
Toluene	108-88-3	<25	25	11/03/2023 03:47	S23110234.D	
1,2-Dibromoethane (EDB)	106-93-4	<10	10	11/03/2023 03:47	S23110234.D	
Tetrachloroethene	127-18-4	<10	10	11/03/2023 03:47	S23110234.D	
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	11/03/2023 03:47	S23110234.D	
Chlorobenzene	108-90-7	<10	10	11/03/2023 03:47	S23110234.D	
Ethylbenzene	100-41-4	54	25	11/03/2023 03:47	S23110234.D	
p & m-Xylene	179601-23-1	272	25	11/03/2023 03:47	S23110234.D	
o-Xylene	95-47-6	88	25	11/03/2023 03:47	S23110234.D	
1,2,3-Trichloropropane	96-18-4	<10	10	11/03/2023 03:47	S23110234.D	
Isopropylbenzene	98-82-8	<25	25	11/03/2023 03:47	S23110234.D	
1,3,5-Trimethylbenzene	108-67-8	<25	25	11/03/2023 03:47	S23110234.D	
1,2,4-Trimethylbenzene	95-63-6	<25	25	11/03/2023 03:47	S23110234.D	
1,3-Dichlorobenzene	541-73-1	<10	10	11/03/2023 03:47	S23110234.D	
1,4-Dichlorobenzene	106-46-7	<10	10	11/03/2023 03:47	S23110234.D	
1,2-Dichlorobenzene	95-50-1	<10	10	11/03/2023 03:47	S23110234.D	
1,2,4-Trichlorobenzene	120-82-1	<10	10	11/03/2023 03:47	S23110234.D	
Naphthalene	91-20-3	<25	25	11/03/2023 03:47	S23110234.D	
1,2,3-Trichlorobenzene	87-61-6	<10	10	11/03/2023 03:47	S23110234.D	
2-Methylnaphthalene	91-57-6	<25	25	11/03/2023 03:47	S23110234.D	
☉ TPH C5-C8		<5,000	5,000	11/03/2023 03:47	S23110234.D	
☉ TPH C9-C15		<5,000	5,000	11/03/2023 03:47	S23110234.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	111%	70-130		11/03/2023 03:47	S23110234.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		11/03/2023 03:47	S23110234.D
Surrogate: Bromofluorobenzene	460-00-4	97.1%	70-130		11/03/2023 03:47	S23110234.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Detailed Analytical Results- Concentration

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-01	09R_SG_01_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 13:21	S23110205.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 13:21	S23110205.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 13:21	S23110205.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 13:21	S23110205.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 13:21	S23110205.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 13:21	S23110205.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 13:21	S23110205.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 13:21	S23110205.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 13:21	S23110205.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 13:21	S23110205.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 13:21	S23110205.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 13:21	S23110205.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 13:21	S23110205.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 13:21	S23110205.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 13:21	S23110205.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 13:21	S23110205.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 13:21	S23110205.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 13:21	S23110205.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 13:21	S23110205.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 13:21	S23110205.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 13:21	S23110205.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 13:21	S23110205.D
p & m-Xylene	179601-23-1	3.30		1.80	11/02/2023 13:21	S23110205.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 13:21	S23110205.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 13:21	S23110205.D
Isopropylbenzene	98-82-8	<1.90		1.90	11/02/2023 13:21	S23110205.D
1,3,5-Trimethylbenzene	108-67-8	<1.90		1.90	11/02/2023 13:21	S23110205.D
1,2,4-Trimethylbenzene	95-63-6	<1.90		1.90	11/02/2023 13:21	S23110205.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 13:21	S23110205.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 13:21	S23110205.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 13:21	S23110205.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 13:21	S23110205.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 13:21	S23110205.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 13:21	S23110205.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 13:21	S23110205.D
☉ TPH C5-C8		<536		536	11/02/2023 13:21	S23110205.D
☉ TPH C9-C15		<458		458	11/02/2023 13:21	S23110205.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 13:21	S23110205.D
Surrogate: Toluene-d8	2037-26-5	93.5%	70-130		11/02/2023 13:21	S23110205.D
Surrogate: Bromofluorobenzene	460-00-4	94.7%	70-130		11/02/2023 13:21	S23110205.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-02

09R_SG_02_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 13:51	S23110206.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 13:51	S23110206.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 13:51	S23110206.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 13:51	S23110206.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 13:51	S23110206.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 13:51	S23110206.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 13:51	S23110206.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 13:51	S23110206.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 13:51	S23110206.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 13:51	S23110206.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 13:51	S23110206.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 13:51	S23110206.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 13:51	S23110206.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 13:51	S23110206.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 13:51	S23110206.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 13:51	S23110206.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 13:51	S23110206.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 13:51	S23110206.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 13:51	S23110206.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 13:51	S23110206.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 13:51	S23110206.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 13:51	S23110206.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 13:51	S23110206.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 13:51	S23110206.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 13:51	S23110206.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 13:51	S23110206.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 13:51	S23110206.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 13:51	S23110206.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 13:51	S23110206.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 13:51	S23110206.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 13:51	S23110206.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 13:51	S23110206.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 13:51	S23110206.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 13:51	S23110206.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 13:51	S23110206.D
ε TPH C5-C8		<536		536	11/02/2023 13:51	S23110206.D
ε TPH C9-C15		<458		458	11/02/2023 13:51	S23110206.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 13:51	S23110206.D
Surrogate: Toluene-d8	2037-26-5	96.4%	70-130		11/02/2023 13:51	S23110206.D
Surrogate: Bromofluorobenzene	460-00-4	92.9%	70-130		11/02/2023 13:51	S23110206.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-03	09R_SG_03_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	0.93		0.78	11/02/2023 14:20	S23110207.D
1,1-Dichloroethene	75-35-4	16.0		1.92	11/02/2023 14:20	S23110207.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 14:20	S23110207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 14:20	S23110207.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 14:20	S23110207.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 14:20	S23110207.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 14:20	S23110207.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 14:20	S23110207.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 14:20	S23110207.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 14:20	S23110207.D
1,1,1-Trichloroethane	71-55-6	7.10		0.60	11/02/2023 14:20	S23110207.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 14:20	S23110207.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 14:20	S23110207.D
Trichloroethene	79-01-6	41.7		1.92	11/02/2023 14:20	S23110207.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 14:20	S23110207.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 14:20	S23110207.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 14:20	S23110207.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 14:20	S23110207.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 14:20	S23110207.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 14:20	S23110207.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 14:20	S23110207.D
Ethylbenzene	100-41-4	14.5		1.86	11/02/2023 14:20	S23110207.D
p & m-Xylene	179601-23-1	53.0		1.80	11/02/2023 14:20	S23110207.D
o-Xylene	95-47-6	18.3		1.80	11/02/2023 14:20	S23110207.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 14:20	S23110207.D
Isopropylbenzene	98-82-8	<1.90		1.90	11/02/2023 14:20	S23110207.D
1,3,5-Trimethylbenzene	108-67-8	<1.90		1.90	11/02/2023 14:20	S23110207.D
1,2,4-Trimethylbenzene	95-63-6	<1.90		1.90	11/02/2023 14:20	S23110207.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 14:20	S23110207.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 14:20	S23110207.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 14:20	S23110207.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 14:20	S23110207.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 14:20	S23110207.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 14:20	S23110207.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 14:20	S23110207.D
ε TPH C5-C8		<536		536	11/02/2023 14:20	S23110207.D
ε TPH C9-C15		<458		458	11/02/2023 14:20	S23110207.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 14:20	S23110207.D
Surrogate: Toluene-d8	2037-26-5	103%	70-130		11/02/2023 14:20	S23110207.D
Surrogate: Bromofluorobenzene	460-00-4	92.9%	70-130		11/02/2023 14:20	S23110207.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-04

09R_SG_04_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 14:50	S23110208.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 14:50	S23110208.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 14:50	S23110208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 14:50	S23110208.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 14:50	S23110208.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 14:50	S23110208.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 14:50	S23110208.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 14:50	S23110208.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 14:50	S23110208.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 14:50	S23110208.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 14:50	S23110208.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 14:50	S23110208.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 14:50	S23110208.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 14:50	S23110208.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 14:50	S23110208.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 14:50	S23110208.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 14:50	S23110208.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 14:50	S23110208.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 14:50	S23110208.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 14:50	S23110208.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 14:50	S23110208.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 14:50	S23110208.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 14:50	S23110208.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 14:50	S23110208.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 14:50	S23110208.D
Isopropylbenzene	98-82-8	<1.90		1.90	11/02/2023 14:50	S23110208.D
1,3,5-Trimethylbenzene	108-67-8	<1.90		1.90	11/02/2023 14:50	S23110208.D
1,2,4-Trimethylbenzene	95-63-6	<1.90		1.90	11/02/2023 14:50	S23110208.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 14:50	S23110208.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 14:50	S23110208.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 14:50	S23110208.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 14:50	S23110208.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 14:50	S23110208.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 14:50	S23110208.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 14:50	S23110208.D
☉ TPH C5-C8		<536		536	11/02/2023 14:50	S23110208.D
☉ TPH C9-C15		<458		458	11/02/2023 14:50	S23110208.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 14:50	S23110208.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		11/02/2023 14:50	S23110208.D
Surrogate: Bromofluorobenzene	460-00-4	93.1%	70-130		11/02/2023 14:50	S23110208.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-06	09R_SG_06_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 15:51	S23110210.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 15:51	S23110210.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 15:51	S23110210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 15:51	S23110210.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 15:51	S23110210.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 15:51	S23110210.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 15:51	S23110210.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 15:51	S23110210.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 15:51	S23110210.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 15:51	S23110210.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 15:51	S23110210.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 15:51	S23110210.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 15:51	S23110210.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 15:51	S23110210.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 15:51	S23110210.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 15:51	S23110210.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 15:51	S23110210.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 15:51	S23110210.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 15:51	S23110210.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 15:51	S23110210.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 15:51	S23110210.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 15:51	S23110210.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 15:51	S23110210.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 15:51	S23110210.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 15:51	S23110210.D
Isopropylbenzene	98-82-8	<1.90		1.90	11/02/2023 15:51	S23110210.D
1,3,5-Trimethylbenzene	108-67-8	<1.90		1.90	11/02/2023 15:51	S23110210.D
1,2,4-Trimethylbenzene	95-63-6	<1.90		1.90	11/02/2023 15:51	S23110210.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 15:51	S23110210.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 15:51	S23110210.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 15:51	S23110210.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 15:51	S23110210.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 15:51	S23110210.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 15:51	S23110210.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 15:51	S23110210.D
☉ TPH C5-C8		<536		536	11/02/2023 15:51	S23110210.D
☉ TPH C9-C15		<458		458	11/02/2023 15:51	S23110210.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	119%	70-130		11/02/2023 15:51	S23110210.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		11/02/2023 15:51	S23110210.D
Surrogate: Bromofluorobenzene	460-00-4	95.6%	70-130		11/02/2023 15:51	S23110210.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-07

09R_SG_07_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 16:20	S23110211.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 16:20	S23110211.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 16:20	S23110211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 16:20	S23110211.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 16:20	S23110211.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 16:20	S23110211.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 16:20	S23110211.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 16:20	S23110211.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 16:20	S23110211.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 16:20	S23110211.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 16:20	S23110211.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 16:20	S23110211.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 16:20	S23110211.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 16:20	S23110211.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 16:20	S23110211.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 16:20	S23110211.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 16:20	S23110211.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 16:20	S23110211.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 16:20	S23110211.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 16:20	S23110211.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 16:20	S23110211.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 16:20	S23110211.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 16:20	S23110211.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 16:20	S23110211.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 16:20	S23110211.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 16:20	S23110211.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 16:20	S23110211.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 16:20	S23110211.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 16:20	S23110211.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 16:20	S23110211.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 16:20	S23110211.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 16:20	S23110211.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 16:20	S23110211.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 16:20	S23110211.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 16:20	S23110211.D
ε TPH C5-C8		<536		536	11/02/2023 16:20	S23110211.D
ε TPH C9-C15		<458		458	11/02/2023 16:20	S23110211.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	120%	70-130		11/02/2023 16:20	S23110211.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		11/02/2023 16:20	S23110211.D
Surrogate: Bromofluorobenzene	460-00-4	93.9%	70-130		11/02/2023 16:20	S23110211.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-08	09R_SG_08_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 16:50	S23110212.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 16:50	S23110212.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 16:50	S23110212.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 16:50	S23110212.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 16:50	S23110212.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 16:50	S23110212.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 16:50	S23110212.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 16:50	S23110212.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 16:50	S23110212.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 16:50	S23110212.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 16:50	S23110212.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 16:50	S23110212.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 16:50	S23110212.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 16:50	S23110212.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 16:50	S23110212.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 16:50	S23110212.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 16:50	S23110212.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 16:50	S23110212.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 16:50	S23110212.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 16:50	S23110212.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 16:50	S23110212.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 16:50	S23110212.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 16:50	S23110212.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 16:50	S23110212.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 16:50	S23110212.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 16:50	S23110212.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 16:50	S23110212.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 16:50	S23110212.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 16:50	S23110212.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 16:50	S23110212.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 16:50	S23110212.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 16:50	S23110212.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 16:50	S23110212.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 16:50	S23110212.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 16:50	S23110212.D
ε TPH C5-C8		<536		536	11/02/2023 16:50	S23110212.D
ε TPH C9-C15		<458		458	11/02/2023 16:50	S23110212.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	117%	70-130		11/02/2023 16:50	S23110212.D
Surrogate: Toluene-d8	2037-26-5	95.1%	70-130		11/02/2023 16:50	S23110212.D
Surrogate: Bromofluorobenzene	460-00-4	96.3%	70-130		11/02/2023 16:50	S23110212.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-09	09R_SG_09_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 17:20	S23110213.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 17:20	S23110213.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 17:20	S23110213.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 17:20	S23110213.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 17:20	S23110213.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 17:20	S23110213.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 17:20	S23110213.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 17:20	S23110213.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 17:20	S23110213.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 17:20	S23110213.D
1,1,1-Trichloroethane	71-55-6	1.28		0.60	11/02/2023 17:20	S23110213.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 17:20	S23110213.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 17:20	S23110213.D
Trichloroethene	79-01-6	3.27		1.92	11/02/2023 17:20	S23110213.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 17:20	S23110213.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 17:20	S23110213.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 17:20	S23110213.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 17:20	S23110213.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 17:20	S23110213.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 17:20	S23110213.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 17:20	S23110213.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 17:20	S23110213.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 17:20	S23110213.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 17:20	S23110213.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 17:20	S23110213.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 17:20	S23110213.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 17:20	S23110213.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 17:20	S23110213.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 17:20	S23110213.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 17:20	S23110213.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 17:20	S23110213.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 17:20	S23110213.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 17:20	S23110213.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 17:20	S23110213.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 17:20	S23110213.D
☉ TPH C5-C8		<536		536	11/02/2023 17:20	S23110213.D
☉ TPH C9-C15		<458		458	11/02/2023 17:20	S23110213.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 17:20	S23110213.D
Surrogate: Toluene-d8	2037-26-5	95.1%	70-130		11/02/2023 17:20	S23110213.D
Surrogate: Bromofluorobenzene	460-00-4	93.3%	70-130		11/02/2023 17:20	S23110213.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-10

09R_SG_10_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 17:50	S23110214.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 17:50	S23110214.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 17:50	S23110214.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 17:50	S23110214.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 17:50	S23110214.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 17:50	S23110214.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 17:50	S23110214.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 17:50	S23110214.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 17:50	S23110214.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 17:50	S23110214.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 17:50	S23110214.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 17:50	S23110214.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 17:50	S23110214.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 17:50	S23110214.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 17:50	S23110214.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 17:50	S23110214.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 17:50	S23110214.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 17:50	S23110214.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 17:50	S23110214.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 17:50	S23110214.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 17:50	S23110214.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 17:50	S23110214.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 17:50	S23110214.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 17:50	S23110214.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 17:50	S23110214.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 17:50	S23110214.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 17:50	S23110214.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 17:50	S23110214.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 17:50	S23110214.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 17:50	S23110214.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 17:50	S23110214.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 17:50	S23110214.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 17:50	S23110214.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 17:50	S23110214.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 17:50	S23110214.D
☉ TPH C5-C8		<536		536	11/02/2023 17:50	S23110214.D
☉ TPH C9-C15		<459		459	11/02/2023 17:50	S23110214.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 17:50	S23110214.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		11/02/2023 17:50	S23110214.D
Surrogate: Bromofluorobenzene	460-00-4	95.7%	70-130		11/02/2023 17:50	S23110214.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-11	09R_SG_11_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 18:21	S23110215.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 18:21	S23110215.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 18:21	S23110215.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 18:21	S23110215.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 18:21	S23110215.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 18:21	S23110215.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 18:21	S23110215.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 18:21	S23110215.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 18:21	S23110215.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 18:21	S23110215.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 18:21	S23110215.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 18:21	S23110215.D
Benzene	71-43-2	<2.98		2.98	11/02/2023 18:21	S23110215.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 18:21	S23110215.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 18:21	S23110215.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 18:21	S23110215.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 18:21	S23110215.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 18:21	S23110215.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 18:21	S23110215.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 18:21	S23110215.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 18:21	S23110215.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 18:21	S23110215.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 18:21	S23110215.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 18:21	S23110215.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 18:21	S23110215.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 18:21	S23110215.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 18:21	S23110215.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 18:21	S23110215.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 18:21	S23110215.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 18:21	S23110215.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 18:21	S23110215.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 18:21	S23110215.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 18:21	S23110215.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 18:21	S23110215.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 18:21	S23110215.D
☉ TPH C5-C8		<536		536	11/02/2023 18:21	S23110215.D
☉ TPH C9-C15		<458		458	11/02/2023 18:21	S23110215.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	115%	70-130		11/02/2023 18:21	S23110215.D
Surrogate: Toluene-d8	2037-26-5	94.3%	70-130		11/02/2023 18:21	S23110215.D
Surrogate: Bromofluorobenzene	460-00-4	98.7%	70-130		11/02/2023 18:21	S23110215.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-12	09R_SG_12_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	1.02		0.78	11/02/2023 18:51	S23110216.D
1,1-Dichloroethene	75-35-4	24.0		1.92	11/02/2023 18:51	S23110216.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 18:51	S23110216.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 18:51	S23110216.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 18:51	S23110216.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 18:51	S23110216.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 18:51	S23110216.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 18:51	S23110216.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 18:51	S23110216.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 18:51	S23110216.D
1,1,1-Trichloroethane	71-55-6	16.7		0.60	11/02/2023 18:51	S23110216.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 18:51	S23110216.D
Benzene	71-43-2	5.71		2.98	11/02/2023 18:51	S23110216.D
Trichloroethene	79-01-6	68.2		1.92	11/02/2023 18:51	S23110216.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 18:51	S23110216.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 18:51	S23110216.D
Toluene	108-88-3	<3.95		3.95	11/02/2023 18:51	S23110216.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 18:51	S23110216.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 18:51	S23110216.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 18:51	S23110216.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 18:51	S23110216.D
Ethylbenzene	100-41-4	25.9		1.86	11/02/2023 18:51	S23110216.D
p & m-Xylene	179601-23-1	90.0		1.80	11/02/2023 18:51	S23110216.D
o-Xylene	95-47-6	27.9		1.80	11/02/2023 18:51	S23110216.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 18:51	S23110216.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 18:51	S23110216.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 18:51	S23110216.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 18:51	S23110216.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 18:51	S23110216.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 18:51	S23110216.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 18:51	S23110216.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 18:51	S23110216.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 18:51	S23110216.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 18:51	S23110216.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 18:51	S23110216.D
☉ TPH C5-C8		693		536	11/02/2023 18:51	S23110216.D
☉ TPH C9-C15		<459		459	11/02/2023 18:51	S23110216.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	114%	70-130		11/02/2023 18:51	S23110216.D
Surrogate: Toluene-d8	2037-26-5	112%	70-130		11/02/2023 18:51	S23110216.D
Surrogate: Bromofluorobenzene	460-00-4	99.2%	70-130		11/02/2023 18:51	S23110216.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-13	09R_SG_13_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	8.68		0.78	11/02/2023 19:21	S23110217.D
1,1-Dichloroethene	75-35-4	154		1.92	11/02/2023 19:21	S23110217.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 19:21	S23110217.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 19:21	S23110217.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 19:21	S23110217.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 19:21	S23110217.D
1,1-Dichloroethane	75-34-3	14.5		0.74	11/02/2023 19:21	S23110217.D
cis-1,2-Dichloroethene	156-59-2	4.31		1.19	11/02/2023 19:21	S23110217.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 19:21	S23110217.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 19:21	S23110217.D
1,1,1-Trichloroethane	71-55-6	125	D	11.6	11/03/2023 14:10	S23110305.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 19:21	S23110217.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 19:21	S23110217.D
Trichloroethene	79-01-6	818		1.92	11/02/2023 19:21	S23110217.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 19:21	S23110217.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 19:21	S23110217.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 19:21	S23110217.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 19:21	S23110217.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 19:21	S23110217.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 19:21	S23110217.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 19:21	S23110217.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 19:21	S23110217.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 19:21	S23110217.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 19:21	S23110217.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 19:21	S23110217.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 19:21	S23110217.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 19:21	S23110217.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 19:21	S23110217.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 19:21	S23110217.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 19:21	S23110217.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 19:21	S23110217.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 19:21	S23110217.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 19:21	S23110217.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 19:21	S23110217.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 19:21	S23110217.D
ε TPH C5-C8		<536		536	11/02/2023 19:21	S23110217.D
ε TPH C9-C15		<459		459	11/02/2023 19:21	S23110217.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	118%	70-130		11/02/2023 19:21	S23110217.D
Surrogate: 1,2-DCA-d4	17060-07-0	124%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: Toluene-d8	2037-26-5	99.0%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: Toluene-d8	2037-26-5	94.2%	70-130		11/02/2023 19:21	S23110217.D
Surrogate: Bromofluorobenzene	460-00-4	89.2%	70-130		11/03/2023 14:10	S23110305.D
Surrogate: Bromofluorobenzene	460-00-4	95.0%	70-130		11/02/2023 19:21	S23110217.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-14	09R_SG_14_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 19:51	S23110218.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 19:51	S23110218.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 19:51	S23110218.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 19:51	S23110218.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 19:51	S23110218.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 19:51	S23110218.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 19:51	S23110218.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 19:51	S23110218.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 19:51	S23110218.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 19:51	S23110218.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 19:51	S23110218.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 19:51	S23110218.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 19:51	S23110218.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 19:51	S23110218.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 19:51	S23110218.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 19:51	S23110218.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 19:51	S23110218.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 19:51	S23110218.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 19:51	S23110218.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 19:51	S23110218.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 19:51	S23110218.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 19:51	S23110218.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 19:51	S23110218.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 19:51	S23110218.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 19:51	S23110218.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 19:51	S23110218.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 19:51	S23110218.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 19:51	S23110218.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 19:51	S23110218.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 19:51	S23110218.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 19:51	S23110218.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 19:51	S23110218.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 19:51	S23110218.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 19:51	S23110218.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 19:51	S23110218.D
☉ TPH C5-C8		<537		537	11/02/2023 19:51	S23110218.D
☉ TPH C9-C15		<459		459	11/02/2023 19:51	S23110218.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	113%	70-130		11/02/2023 19:51	S23110218.D
Surrogate: Toluene-d8	2037-26-5	94.5%	70-130		11/02/2023 19:51	S23110218.D
Surrogate: Bromofluorobenzene	460-00-4	93.7%	70-130		11/02/2023 19:51	S23110218.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-15

09R_SG_15_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 20:21	S23110219.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 20:21	S23110219.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 20:21	S23110219.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 20:21	S23110219.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 20:21	S23110219.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 20:21	S23110219.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 20:21	S23110219.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 20:21	S23110219.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 20:21	S23110219.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 20:21	S23110219.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 20:21	S23110219.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 20:21	S23110219.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 20:21	S23110219.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 20:21	S23110219.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 20:21	S23110219.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 20:21	S23110219.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 20:21	S23110219.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 20:21	S23110219.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 20:21	S23110219.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 20:21	S23110219.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 20:21	S23110219.D
Ethylbenzene	100-41-4	14.0		1.86	11/02/2023 20:21	S23110219.D
p & m-Xylene	179601-23-1	55.2		1.80	11/02/2023 20:21	S23110219.D
o-Xylene	95-47-6	19.6		1.80	11/02/2023 20:21	S23110219.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 20:21	S23110219.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 20:21	S23110219.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 20:21	S23110219.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 20:21	S23110219.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 20:21	S23110219.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 20:21	S23110219.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 20:21	S23110219.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 20:21	S23110219.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 20:21	S23110219.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 20:21	S23110219.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 20:21	S23110219.D
ε TPH C5-C8		<536		536	11/02/2023 20:21	S23110219.D
ε TPH C9-C15		<459		459	11/02/2023 20:21	S23110219.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/02/2023 20:21	S23110219.D
Surrogate: Toluene-d8	2037-26-5	95.4%	70-130		11/02/2023 20:21	S23110219.D
Surrogate: Bromofluorobenzene	460-00-4	96.0%	70-130		11/02/2023 20:21	S23110219.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-16	09R_SG_16_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 20:55	S23110220.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 20:55	S23110220.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 20:55	S23110220.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 20:55	S23110220.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 20:55	S23110220.D
Methyl-t-butyl ether	1634-04-4	<3.16		3.16	11/02/2023 20:55	S23110220.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 20:55	S23110220.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 20:55	S23110220.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 20:55	S23110220.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 20:55	S23110220.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 20:55	S23110220.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 20:55	S23110220.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 20:55	S23110220.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 20:55	S23110220.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 20:55	S23110220.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 20:55	S23110220.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 20:55	S23110220.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 20:55	S23110220.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 20:55	S23110220.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 20:55	S23110220.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 20:55	S23110220.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 20:55	S23110220.D
p & m-Xylene	179601-23-1	3.47		1.80	11/02/2023 20:55	S23110220.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 20:55	S23110220.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 20:55	S23110220.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 20:55	S23110220.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 20:55	S23110220.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 20:55	S23110220.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 20:55	S23110220.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 20:55	S23110220.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 20:55	S23110220.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 20:55	S23110220.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 20:55	S23110220.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 20:55	S23110220.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 20:55	S23110220.D
☉ TPH C5-C8		<536		536	11/02/2023 20:55	S23110220.D
☉ TPH C9-C15		<459		459	11/02/2023 20:55	S23110220.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	115%	70-130		11/02/2023 20:55	S23110220.D
Surrogate: Toluene-d8	2037-26-5	92.5%	70-130		11/02/2023 20:55	S23110220.D
Surrogate: Bromofluorobenzene	460-00-4	94.3%	70-130		11/02/2023 20:55	S23110220.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-17	09R_SG_17_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 21:25	S23110221.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 21:25	S23110221.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 21:25	S23110221.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 21:25	S23110221.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 21:25	S23110221.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 21:25	S23110221.D
1,1-Dichloroethane	75-34-3	<0.74		0.74	11/02/2023 21:25	S23110221.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 21:25	S23110221.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 21:25	S23110221.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 21:25	S23110221.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 21:25	S23110221.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 21:25	S23110221.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 21:25	S23110221.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 21:25	S23110221.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 21:25	S23110221.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 21:25	S23110221.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 21:25	S23110221.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 21:25	S23110221.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 21:25	S23110221.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 21:25	S23110221.D
Chlorobenzene	108-90-7	<0.74		0.74	11/02/2023 21:25	S23110221.D
Ethylbenzene	100-41-4	4.53		1.86	11/02/2023 21:25	S23110221.D
p & m-Xylene	179601-23-1	21.6		1.80	11/02/2023 21:25	S23110221.D
o-Xylene	95-47-6	7.23		1.80	11/02/2023 21:25	S23110221.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 21:25	S23110221.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 21:25	S23110221.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 21:25	S23110221.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 21:25	S23110221.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 21:25	S23110221.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 21:25	S23110221.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 21:25	S23110221.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 21:25	S23110221.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 21:25	S23110221.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 21:25	S23110221.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 21:25	S23110221.D
☉ TPH C5-C8		<537		537	11/02/2023 21:25	S23110221.D
☉ TPH C9-C15		<459		459	11/02/2023 21:25	S23110221.D

Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	113%	70-130		11/02/2023 21:25	S23110221.D
Surrogate: Toluene-d8	2037-26-5	91.7%	70-130		11/02/2023 21:25	S23110221.D
Surrogate: Bromofluorobenzene	460-00-4	94.6%	70-130		11/02/2023 21:25	S23110221.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-18	09R_SG_18_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 21:55	S23110222.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 21:55	S23110222.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 21:55	S23110222.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 21:55	S23110222.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 21:55	S23110222.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 21:55	S23110222.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/02/2023 21:55	S23110222.D
cis-1,2-Dichloroethene	156-59-2	<1.19		1.19	11/02/2023 21:55	S23110222.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 21:55	S23110222.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 21:55	S23110222.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 21:55	S23110222.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 21:55	S23110222.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 21:55	S23110222.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 21:55	S23110222.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 21:55	S23110222.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 21:55	S23110222.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 21:55	S23110222.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 21:55	S23110222.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 21:55	S23110222.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 21:55	S23110222.D
Chlorobenzene	108-90-7	<0.75		0.75	11/02/2023 21:55	S23110222.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 21:55	S23110222.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 21:55	S23110222.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 21:55	S23110222.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 21:55	S23110222.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 21:55	S23110222.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 21:55	S23110222.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 21:55	S23110222.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 21:55	S23110222.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 21:55	S23110222.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 21:55	S23110222.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 21:55	S23110222.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 21:55	S23110222.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 21:55	S23110222.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 21:55	S23110222.D
☉ TPH C5-C8		<537		537	11/02/2023 21:55	S23110222.D
☉ TPH C9-C15		<459		459	11/02/2023 21:55	S23110222.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	109%	70-130		11/02/2023 21:55	S23110222.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		11/02/2023 21:55	S23110222.D
Surrogate: Bromofluorobenzene	460-00-4	95.7%	70-130		11/02/2023 21:55	S23110222.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-19	09R_SG_19_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 22:25	S23110223.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 22:25	S23110223.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 22:25	S23110223.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 22:25	S23110223.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 22:25	S23110223.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 22:25	S23110223.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/02/2023 22:25	S23110223.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/02/2023 22:25	S23110223.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 22:25	S23110223.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 22:25	S23110223.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 22:25	S23110223.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 22:25	S23110223.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 22:25	S23110223.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 22:25	S23110223.D
1,4-Dioxane	123-91-1	<1.54		1.54	11/02/2023 22:25	S23110223.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 22:25	S23110223.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 22:25	S23110223.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 22:25	S23110223.D
Tetrachloroethene	127-18-4	<1.54		1.54	11/02/2023 22:25	S23110223.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.54		1.54	11/02/2023 22:25	S23110223.D
Chlorobenzene	108-90-7	<0.75		0.75	11/02/2023 22:25	S23110223.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 22:25	S23110223.D
p & m-Xylene	179601-23-1	6.85		1.80	11/02/2023 22:25	S23110223.D
o-Xylene	95-47-6	1.97		1.80	11/02/2023 22:25	S23110223.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 22:25	S23110223.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 22:25	S23110223.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 22:25	S23110223.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 22:25	S23110223.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 22:25	S23110223.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 22:25	S23110223.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 22:25	S23110223.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 22:25	S23110223.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 22:25	S23110223.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 22:25	S23110223.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 22:25	S23110223.D
☉ TPH C5-C8		<537		537	11/02/2023 22:25	S23110223.D
☉ TPH C9-C15		<459		459	11/02/2023 22:25	S23110223.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	112%	70-130		11/02/2023 22:25	S23110223.D
Surrogate: Toluene-d8	2037-26-5	95.6%	70-130		11/02/2023 22:25	S23110223.D
Surrogate: Bromofluorobenzene	460-00-4	93.7%	70-130		11/02/2023 22:25	S23110223.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-20	09R_SG_20_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 22:54	S23110224.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 22:54	S23110224.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 22:54	S23110224.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 22:54	S23110224.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 22:54	S23110224.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 22:54	S23110224.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/02/2023 22:54	S23110224.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/02/2023 22:54	S23110224.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 22:54	S23110224.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 22:54	S23110224.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 22:54	S23110224.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 22:54	S23110224.D
Benzene	71-43-2	<2.99		2.99	11/02/2023 22:54	S23110224.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 22:54	S23110224.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/02/2023 22:54	S23110224.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 22:54	S23110224.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 22:54	S23110224.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 22:54	S23110224.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/02/2023 22:54	S23110224.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/02/2023 22:54	S23110224.D
Chlorobenzene	108-90-7	<0.75		0.75	11/02/2023 22:54	S23110224.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 22:54	S23110224.D
p & m-Xylene	179601-23-1	5.82		1.80	11/02/2023 22:54	S23110224.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 22:54	S23110224.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 22:54	S23110224.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 22:54	S23110224.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 22:54	S23110224.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 22:54	S23110224.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 22:54	S23110224.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 22:54	S23110224.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 22:54	S23110224.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 22:54	S23110224.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 22:54	S23110224.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 22:54	S23110224.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 22:54	S23110224.D
☉ TPH C5-C8		<537		537	11/02/2023 22:54	S23110224.D
☉ TPH C9-C15		<459		459	11/02/2023 22:54	S23110224.D

Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	110%	70-130		11/02/2023 22:54	S23110224.D
Surrogate: Toluene-d8	2037-26-5	94.3%	70-130		11/02/2023 22:54	S23110224.D
Surrogate: Bromofluorobenzene	460-00-4	97.9%	70-130		11/02/2023 22:54	S23110224.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-21

09R_SG_21_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 23:25	S23110225.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 23:25	S23110225.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 23:25	S23110225.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 23:25	S23110225.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 23:25	S23110225.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 23:25	S23110225.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/02/2023 23:25	S23110225.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/02/2023 23:25	S23110225.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 23:25	S23110225.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 23:25	S23110225.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 23:25	S23110225.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 23:25	S23110225.D
Benzene	71-43-2	3.80		2.99	11/02/2023 23:25	S23110225.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 23:25	S23110225.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/02/2023 23:25	S23110225.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 23:25	S23110225.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 23:25	S23110225.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 23:25	S23110225.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/02/2023 23:25	S23110225.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/02/2023 23:25	S23110225.D
Chlorobenzene	108-90-7	<0.75		0.75	11/02/2023 23:25	S23110225.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 23:25	S23110225.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 23:25	S23110225.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 23:25	S23110225.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 23:25	S23110225.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 23:25	S23110225.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 23:25	S23110225.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 23:25	S23110225.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 23:25	S23110225.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 23:25	S23110225.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 23:25	S23110225.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 23:25	S23110225.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 23:25	S23110225.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 23:25	S23110225.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 23:25	S23110225.D
ε TPH C5-C8		<537		537	11/02/2023 23:25	S23110225.D
ε TPH C9-C15		<459		459	11/02/2023 23:25	S23110225.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	110%	70-130		11/02/2023 23:25	S23110225.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		11/02/2023 23:25	S23110225.D
Surrogate: Bromofluorobenzene	460-00-4	99.1%	70-130		11/02/2023 23:25	S23110225.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-22

09R_SG_22_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/02/2023 23:54	S23110226.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/02/2023 23:54	S23110226.D
Methylene Chloride	75-09-2	<1.81		1.81	11/02/2023 23:54	S23110226.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/02/2023 23:54	S23110226.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/02/2023 23:54	S23110226.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/02/2023 23:54	S23110226.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/02/2023 23:54	S23110226.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/02/2023 23:54	S23110226.D
Chloroform	67-66-3	<1.81		1.81	11/02/2023 23:54	S23110226.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/02/2023 23:54	S23110226.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/02/2023 23:54	S23110226.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/02/2023 23:54	S23110226.D
Benzene	71-43-2	5.41		2.99	11/02/2023 23:54	S23110226.D
Trichloroethene	79-01-6	<1.92		1.92	11/02/2023 23:54	S23110226.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/02/2023 23:54	S23110226.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/02/2023 23:54	S23110226.D
Toluene	108-88-3	<3.96		3.96	11/02/2023 23:54	S23110226.D
1,2-Dibromoethane (EDB)	106-93-4	<1.62		1.62	11/02/2023 23:54	S23110226.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/02/2023 23:54	S23110226.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/02/2023 23:54	S23110226.D
Chlorobenzene	108-90-7	<0.75		0.75	11/02/2023 23:54	S23110226.D
Ethylbenzene	100-41-4	<1.86		1.86	11/02/2023 23:54	S23110226.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/02/2023 23:54	S23110226.D
o-Xylene	95-47-6	<1.80		1.80	11/02/2023 23:54	S23110226.D
1,2,3-Trichloropropane	96-18-4	<0.84		0.84	11/02/2023 23:54	S23110226.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/02/2023 23:54	S23110226.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/02/2023 23:54	S23110226.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/02/2023 23:54	S23110226.D
1,3-Dichlorobenzene	541-73-1	<0.84		0.84	11/02/2023 23:54	S23110226.D
1,4-Dichlorobenzene	106-46-7	<0.84		0.84	11/02/2023 23:54	S23110226.D
1,2-Dichlorobenzene	95-50-1	<0.84		0.84	11/02/2023 23:54	S23110226.D
1,2,4-Trichlorobenzene	120-82-1	<1.62		1.62	11/02/2023 23:54	S23110226.D
Naphthalene	91-20-3	<1.98		1.98	11/02/2023 23:54	S23110226.D
1,2,3-Trichlorobenzene	87-61-6	<1.62		1.62	11/02/2023 23:54	S23110226.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/02/2023 23:54	S23110226.D
☉ TPH C5-C8		695		537	11/02/2023 23:54	S23110226.D
☉ TPH C9-C15		<459		459	11/02/2023 23:54	S23110226.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	108%	70-130		11/02/2023 23:54	S23110226.D
Surrogate: Toluene-d8	2037-26-5	94.9%	70-130		11/02/2023 23:54	S23110226.D
Surrogate: Bromofluorobenzene	460-00-4	101%	70-130		11/02/2023 23:54	S23110226.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-23	09R_SG_23_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 00:23	S23110227.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 00:23	S23110227.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 00:23	S23110227.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 00:23	S23110227.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 00:23	S23110227.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 00:23	S23110227.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 00:23	S23110227.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 00:23	S23110227.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 00:23	S23110227.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 00:23	S23110227.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 00:23	S23110227.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/03/2023 00:23	S23110227.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 00:23	S23110227.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 00:23	S23110227.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 00:23	S23110227.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 00:23	S23110227.D
Toluene	108-88-3	<3.96		3.96	11/03/2023 00:23	S23110227.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 00:23	S23110227.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 00:23	S23110227.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 00:23	S23110227.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 00:23	S23110227.D
Ethylbenzene	100-41-4	<1.86		1.86	11/03/2023 00:23	S23110227.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/03/2023 00:23	S23110227.D
o-Xylene	95-47-6	<1.80		1.80	11/03/2023 00:23	S23110227.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 00:23	S23110227.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 00:23	S23110227.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 00:23	S23110227.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 00:23	S23110227.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 00:23	S23110227.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 00:23	S23110227.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 00:23	S23110227.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 00:23	S23110227.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 00:23	S23110227.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 00:23	S23110227.D
2-Methylnaphthalene	91-57-6	<2.08		2.08	11/03/2023 00:23	S23110227.D
ε TPH C5-C8		<537		537	11/03/2023 00:23	S23110227.D
ε TPH C9-C15		<459		459	11/03/2023 00:23	S23110227.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	109%	70-130		11/03/2023 00:23	S23110227.D
Surrogate: Toluene-d8	2037-26-5	93.6%	70-130		11/03/2023 00:23	S23110227.D
Surrogate: Bromofluorobenzene	460-00-4	98.9%	70-130		11/03/2023 00:23	S23110227.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-24	09R_SG_24_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³) Q	LOQ (µg/m³)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<0.78	0.78	11/03/2023 00:52	S23110228.D	
1,1-Dichloroethene	75-35-4	<1.92	1.92	11/03/2023 00:52	S23110228.D	
Methylene Chloride	75-09-2	<1.81	1.81	11/03/2023 00:52	S23110228.D	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71	0.71	11/03/2023 00:52	S23110228.D	
trans-1,2-Dichloroethene	156-60-5	<1.44	1.44	11/03/2023 00:52	S23110228.D	
Methyl-t-butyl ether	1634-04-4	<3.17	3.17	11/03/2023 00:52	S23110228.D	
1,1-Dichloroethane	75-34-3	<0.75	0.75	11/03/2023 00:52	S23110228.D	
cis-1,2-Dichloroethene	156-59-2	<1.20	1.20	11/03/2023 00:52	S23110228.D	
Chloroform	67-66-3	<1.81	1.81	11/03/2023 00:52	S23110228.D	
1,2-Dichloroethane	107-06-2	<1.13	1.13	11/03/2023 00:52	S23110228.D	
1,1,1-Trichloroethane	71-55-6	<0.60	0.60	11/03/2023 00:52	S23110228.D	
Carbon Tetrachloride	56-23-5	<1.47	1.47	11/03/2023 00:52	S23110228.D	
Benzene	71-43-2	<2.99	2.99	11/03/2023 00:52	S23110228.D	
Trichloroethene	79-01-6	<1.92	1.92	11/03/2023 00:52	S23110228.D	
1,4-Dioxane	123-91-1	<1.55	1.55	11/03/2023 00:52	S23110228.D	
1,1,2-Trichloroethane	79-00-5	<1.92	1.92	11/03/2023 00:52	S23110228.D	
Toluene	108-88-3	41.3	3.96	11/03/2023 00:52	S23110228.D	
1,2-Dibromoethane (EDB)	106-93-4	<1.63	1.63	11/03/2023 00:52	S23110228.D	
Tetrachloroethene	127-18-4	<1.55	1.55	11/03/2023 00:52	S23110228.D	
1,1,1,2-Tetrachloroethane	630-20-6	<1.55	1.55	11/03/2023 00:52	S23110228.D	
Chlorobenzene	108-90-7	<0.75	0.75	11/03/2023 00:52	S23110228.D	
Ethylbenzene	100-41-4	<1.86	1.86	11/03/2023 00:52	S23110228.D	
p & m-Xylene	179601-23-1	<1.80	1.80	11/03/2023 00:52	S23110228.D	
o-Xylene	95-47-6	<1.80	1.80	11/03/2023 00:52	S23110228.D	
1,2,3-Trichloropropane	96-18-4	<0.85	0.85	11/03/2023 00:52	S23110228.D	
Isopropylbenzene	98-82-8	<1.91	1.91	11/03/2023 00:52	S23110228.D	
1,3,5-Trimethylbenzene	108-67-8	<1.91	1.91	11/03/2023 00:52	S23110228.D	
1,2,4-Trimethylbenzene	95-63-6	<1.91	1.91	11/03/2023 00:52	S23110228.D	
1,3-Dichlorobenzene	541-73-1	<0.85	0.85	11/03/2023 00:52	S23110228.D	
1,4-Dichlorobenzene	106-46-7	<0.85	0.85	11/03/2023 00:52	S23110228.D	
1,2-Dichlorobenzene	95-50-1	<0.85	0.85	11/03/2023 00:52	S23110228.D	
1,2,4-Trichlorobenzene	120-82-1	<1.63	1.63	11/03/2023 00:52	S23110228.D	
Naphthalene	91-20-3	<1.98	1.98	11/03/2023 00:52	S23110228.D	
1,2,3-Trichlorobenzene	87-61-6	<1.63	1.63	11/03/2023 00:52	S23110228.D	
2-Methylnaphthalene	91-57-6	<2.09	2.09	11/03/2023 00:52	S23110228.D	
☉ TPH C5-C8		<537	537	11/03/2023 00:52	S23110228.D	
☉ TPH C9-C15		<459	459	11/03/2023 00:52	S23110228.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	116%	70-130		11/03/2023 00:52	S23110228.D
Surrogate: Toluene-d8	2037-26-5	90.4%	70-130		11/03/2023 00:52	S23110228.D
Surrogate: Bromofluorobenzene	460-00-4	120%	70-130		11/03/2023 00:52	S23110228.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-25	09R_SG_25_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 01:21	S23110229.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 01:21	S23110229.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 01:21	S23110229.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 01:21	S23110229.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 01:21	S23110229.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 01:21	S23110229.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 01:21	S23110229.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 01:21	S23110229.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 01:21	S23110229.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 01:21	S23110229.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 01:21	S23110229.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/03/2023 01:21	S23110229.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 01:21	S23110229.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 01:21	S23110229.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 01:21	S23110229.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 01:21	S23110229.D
Toluene	108-88-3	<3.96		3.96	11/03/2023 01:21	S23110229.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 01:21	S23110229.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 01:21	S23110229.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 01:21	S23110229.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 01:21	S23110229.D
Ethylbenzene	100-41-4	3.07		1.86	11/03/2023 01:21	S23110229.D
p & m-Xylene	179601-23-1	7.69		1.80	11/03/2023 01:21	S23110229.D
o-Xylene	95-47-6	2.45		1.80	11/03/2023 01:21	S23110229.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 01:21	S23110229.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 01:21	S23110229.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 01:21	S23110229.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 01:21	S23110229.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 01:21	S23110229.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 01:21	S23110229.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 01:21	S23110229.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 01:21	S23110229.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 01:21	S23110229.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 01:21	S23110229.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 01:21	S23110229.D
☉ TPH C5-C8		<537		537	11/03/2023 01:21	S23110229.D
☉ TPH C9-C15		<459		459	11/03/2023 01:21	S23110229.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	106%	70-130		11/03/2023 01:21	S23110229.D
Surrogate: Toluene-d8	2037-26-5	97.4%	70-130		11/03/2023 01:21	S23110229.D
Surrogate: Bromofluorobenzene	460-00-4	101%	70-130		11/03/2023 01:21	S23110229.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-26	09R_SG_26_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 01:51	S23110230.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 01:51	S23110230.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 01:51	S23110230.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 01:51	S23110230.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 01:51	S23110230.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 01:51	S23110230.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 01:51	S23110230.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 01:51	S23110230.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 01:51	S23110230.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 01:51	S23110230.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 01:51	S23110230.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/03/2023 01:51	S23110230.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 01:51	S23110230.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 01:51	S23110230.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 01:51	S23110230.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 01:51	S23110230.D
Toluene	108-88-3	<3.96		3.96	11/03/2023 01:51	S23110230.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 01:51	S23110230.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 01:51	S23110230.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 01:51	S23110230.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 01:51	S23110230.D
Ethylbenzene	100-41-4	<1.86		1.86	11/03/2023 01:51	S23110230.D
p & m-Xylene	179601-23-1	5.16		1.80	11/03/2023 01:51	S23110230.D
o-Xylene	95-47-6	<1.80		1.80	11/03/2023 01:51	S23110230.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 01:51	S23110230.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 01:51	S23110230.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 01:51	S23110230.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 01:51	S23110230.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 01:51	S23110230.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 01:51	S23110230.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 01:51	S23110230.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 01:51	S23110230.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 01:51	S23110230.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 01:51	S23110230.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 01:51	S23110230.D
☉ TPH C5-C8		<537		537	11/03/2023 01:51	S23110230.D
☉ TPH C9-C15		<459		459	11/03/2023 01:51	S23110230.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	112%	70-130		11/03/2023 01:51	S23110230.D
Surrogate: Toluene-d8	2037-26-5	92.8%	70-130		11/03/2023 01:51	S23110230.D
Surrogate: Bromofluorobenzene	460-00-4	96.6%	70-130		11/03/2023 01:51	S23110230.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Lab Sample ID: 0007274-27

09R_SG_27_20231027

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 02:20	S23110231.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 02:20	S23110231.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 02:20	S23110231.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 02:20	S23110231.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 02:20	S23110231.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 02:20	S23110231.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 02:20	S23110231.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 02:20	S23110231.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 02:20	S23110231.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 02:20	S23110231.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 02:20	S23110231.D
Carbon Tetrachloride	56-23-5	<1.47		1.47	11/03/2023 02:20	S23110231.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 02:20	S23110231.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 02:20	S23110231.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 02:20	S23110231.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 02:20	S23110231.D
Toluene	108-88-3	<3.96		3.96	11/03/2023 02:20	S23110231.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 02:20	S23110231.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 02:20	S23110231.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 02:20	S23110231.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 02:20	S23110231.D
Ethylbenzene	100-41-4	<1.87		1.87	11/03/2023 02:20	S23110231.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/03/2023 02:20	S23110231.D
o-Xylene	95-47-6	<1.80		1.80	11/03/2023 02:20	S23110231.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 02:20	S23110231.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 02:20	S23110231.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 02:20	S23110231.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 02:20	S23110231.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 02:20	S23110231.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 02:20	S23110231.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 02:20	S23110231.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 02:20	S23110231.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 02:20	S23110231.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 02:20	S23110231.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 02:20	S23110231.D
☉ TPH C5-C8		<537		537	11/03/2023 02:20	S23110231.D
☉ TPH C9-C15		<460		460	11/03/2023 02:20	S23110231.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130		11/03/2023 02:20	S23110231.D
Surrogate: Toluene-d8	2037-26-5	90.2%	70-130		11/03/2023 02:20	S23110231.D
Surrogate: Bromofluorobenzene	460-00-4	95.0%	70-130		11/03/2023 02:20	S23110231.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-28	09R_SG_28_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 02:49	S23110232.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 02:49	S23110232.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 02:49	S23110232.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 02:49	S23110232.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 02:49	S23110232.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 02:49	S23110232.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 02:49	S23110232.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 02:49	S23110232.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 02:49	S23110232.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 02:49	S23110232.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 02:49	S23110232.D
Carbon Tetrachloride	56-23-5	<1.48		1.48	11/03/2023 02:49	S23110232.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 02:49	S23110232.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 02:49	S23110232.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 02:49	S23110232.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 02:49	S23110232.D
Toluene	108-88-3	<3.97		3.97	11/03/2023 02:49	S23110232.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 02:49	S23110232.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 02:49	S23110232.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 02:49	S23110232.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 02:49	S23110232.D
Ethylbenzene	100-41-4	3.44		1.87	11/03/2023 02:49	S23110232.D
p & m-Xylene	179601-23-1	15.2		1.80	11/03/2023 02:49	S23110232.D
o-Xylene	95-47-6	4.74		1.80	11/03/2023 02:49	S23110232.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 02:49	S23110232.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 02:49	S23110232.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 02:49	S23110232.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 02:49	S23110232.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 02:49	S23110232.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 02:49	S23110232.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 02:49	S23110232.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 02:49	S23110232.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 02:49	S23110232.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 02:49	S23110232.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 02:49	S23110232.D
☉ TPH C5-C8		<538		538	11/03/2023 02:49	S23110232.D
☉ TPH C9-C15		<460		460	11/03/2023 02:49	S23110232.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130		11/03/2023 02:49	S23110232.D
Surrogate: Toluene-d8	2037-26-5	94.0%	70-130		11/03/2023 02:49	S23110232.D
Surrogate: Bromofluorobenzene	460-00-4	98.2%	70-130		11/03/2023 02:49	S23110232.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-29	09R_SG_29_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 03:18	S23110233.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 03:18	S23110233.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 03:18	S23110233.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 03:18	S23110233.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 03:18	S23110233.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 03:18	S23110233.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 03:18	S23110233.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 03:18	S23110233.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 03:18	S23110233.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 03:18	S23110233.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 03:18	S23110233.D
Carbon Tetrachloride	56-23-5	<1.48		1.48	11/03/2023 03:18	S23110233.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 03:18	S23110233.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 03:18	S23110233.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 03:18	S23110233.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 03:18	S23110233.D
Toluene	108-88-3	<3.97		3.97	11/03/2023 03:18	S23110233.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 03:18	S23110233.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 03:18	S23110233.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 03:18	S23110233.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 03:18	S23110233.D
Ethylbenzene	100-41-4	<1.87		1.87	11/03/2023 03:18	S23110233.D
p & m-Xylene	179601-23-1	<1.80		1.80	11/03/2023 03:18	S23110233.D
o-Xylene	95-47-6	<1.80		1.80	11/03/2023 03:18	S23110233.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 03:18	S23110233.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 03:18	S23110233.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 03:18	S23110233.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 03:18	S23110233.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 03:18	S23110233.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 03:18	S23110233.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 03:18	S23110233.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 03:18	S23110233.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 03:18	S23110233.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 03:18	S23110233.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 03:18	S23110233.D
ε TPH C5-C8		<538		538	11/03/2023 03:18	S23110233.D
ε TPH C9-C15		<460		460	11/03/2023 03:18	S23110233.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	108%	70-130		11/03/2023 03:18	S23110233.D
Surrogate: Toluene-d8	2037-26-5	85.9%	70-130		11/03/2023 03:18	S23110233.D
Surrogate: Bromofluorobenzene	460-00-4	99.7%	70-130		11/03/2023 03:18	S23110233.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Lab Sample ID: 0007274-30	09R_SG_30_20231027	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.78		0.78	11/03/2023 03:47	S23110234.D
1,1-Dichloroethene	75-35-4	<1.92		1.92	11/03/2023 03:47	S23110234.D
Methylene Chloride	75-09-2	<1.81		1.81	11/03/2023 03:47	S23110234.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.71		0.71	11/03/2023 03:47	S23110234.D
trans-1,2-Dichloroethene	156-60-5	<1.44		1.44	11/03/2023 03:47	S23110234.D
Methyl-t-butyl ether	1634-04-4	<3.17		3.17	11/03/2023 03:47	S23110234.D
1,1-Dichloroethane	75-34-3	<0.75		0.75	11/03/2023 03:47	S23110234.D
cis-1,2-Dichloroethene	156-59-2	<1.20		1.20	11/03/2023 03:47	S23110234.D
Chloroform	67-66-3	<1.81		1.81	11/03/2023 03:47	S23110234.D
1,2-Dichloroethane	107-06-2	<1.13		1.13	11/03/2023 03:47	S23110234.D
1,1,1-Trichloroethane	71-55-6	<0.60		0.60	11/03/2023 03:47	S23110234.D
Carbon Tetrachloride	56-23-5	<1.48		1.48	11/03/2023 03:47	S23110234.D
Benzene	71-43-2	<2.99		2.99	11/03/2023 03:47	S23110234.D
Trichloroethene	79-01-6	<1.92		1.92	11/03/2023 03:47	S23110234.D
1,4-Dioxane	123-91-1	<1.55		1.55	11/03/2023 03:47	S23110234.D
1,1,2-Trichloroethane	79-00-5	<1.92		1.92	11/03/2023 03:47	S23110234.D
Toluene	108-88-3	<3.97		3.97	11/03/2023 03:47	S23110234.D
1,2-Dibromoethane (EDB)	106-93-4	<1.63		1.63	11/03/2023 03:47	S23110234.D
Tetrachloroethene	127-18-4	<1.55		1.55	11/03/2023 03:47	S23110234.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.55		1.55	11/03/2023 03:47	S23110234.D
Chlorobenzene	108-90-7	<0.75		0.75	11/03/2023 03:47	S23110234.D
Ethylbenzene	100-41-4	4.01		1.87	11/03/2023 03:47	S23110234.D
p & m-Xylene	179601-23-1	19.6		1.80	11/03/2023 03:47	S23110234.D
o-Xylene	95-47-6	6.35		1.80	11/03/2023 03:47	S23110234.D
1,2,3-Trichloropropane	96-18-4	<0.85		0.85	11/03/2023 03:47	S23110234.D
Isopropylbenzene	98-82-8	<1.91		1.91	11/03/2023 03:47	S23110234.D
1,3,5-Trimethylbenzene	108-67-8	<1.91		1.91	11/03/2023 03:47	S23110234.D
1,2,4-Trimethylbenzene	95-63-6	<1.91		1.91	11/03/2023 03:47	S23110234.D
1,3-Dichlorobenzene	541-73-1	<0.85		0.85	11/03/2023 03:47	S23110234.D
1,4-Dichlorobenzene	106-46-7	<0.85		0.85	11/03/2023 03:47	S23110234.D
1,2-Dichlorobenzene	95-50-1	<0.85		0.85	11/03/2023 03:47	S23110234.D
1,2,4-Trichlorobenzene	120-82-1	<1.63		1.63	11/03/2023 03:47	S23110234.D
Naphthalene	91-20-3	<1.98		1.98	11/03/2023 03:47	S23110234.D
1,2,3-Trichlorobenzene	87-61-6	<1.63		1.63	11/03/2023 03:47	S23110234.D
2-Methylnaphthalene	91-57-6	<2.09		2.09	11/03/2023 03:47	S23110234.D
☉ TPH C5-C8		<538		538	11/03/2023 03:47	S23110234.D
☉ TPH C9-C15		<460		460	11/03/2023 03:47	S23110234.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	111%	70-130		11/03/2023 03:47	S23110234.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		11/03/2023 03:47	S23110234.D
Surrogate: Bromofluorobenzene	460-00-4	97.1%	70-130		11/03/2023 03:47	S23110234.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

QC Information/Summary

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H003 - Instrument: S System - File ID: S23073120.D

B23H003-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	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	102		ng	100		102	70-130			
Surrogate: Toluene-d8	105		ng	100		105	70-130			
Surrogate: Bromofluorobenzene	83.7		ng	100		83.7	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H003 - Instrument: S System - File ID: S23073132.D

B23H003-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	57.3	10	ng	50.0		115	70-130			
1,1-Dichloroethene	48.1	10	ng	50.0		96.2	70-130			
Methylene Chloride	50.1	10	ng	50.0		100	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	52.3	10	ng	50.0		105	70-130			
trans-1,2-Dichloroethene	50.4	10	ng	50.0		101	70-130			
Methyl-t-butyl ether	47.0	25	ng	50.0		94.1	70-130			
1,1-Dichloroethane	50.2	10	ng	50.0		100	70-130			
cis-1,2-Dichloroethene	48.7	10	ng	50.0		97.4	70-130			
Chloroform	52.4	10	ng	50.0		105	70-130			
1,2-Dichloroethane	50.5	10	ng	50.0		101	70-130			
1,1,1-Trichloroethane	51.2	10	ng	50.0		102	70-130			
Carbon Tetrachloride	53.3	10	ng	50.0		107	70-130			
Benzene	49.0	25	ng	50.0		98.1	70-130			
Trichloroethene	50.6	10	ng	50.0		101	70-130			
1,4-Dioxane	47.6	10	ng	50.0		95.2	70-130			
1,1,2-Trichloroethane	50.1	10	ng	50.0		100	70-130			
Toluene	47.8	25	ng	50.0		95.6	70-130			
1,2-Dibromoethane (EDB)	50.8	10	ng	50.0		102	70-130			
Tetrachloroethene	51.6	10	ng	50.0		103	70-130			
1,1,1,2-Tetrachloroethane	51.4	10	ng	50.0		103	70-130			
Chlorobenzene	48.7	10	ng	50.0		97.4	70-130			
Ethylbenzene	46.2	25	ng	50.0		92.3	70-130			
p & m-Xylene	46.8	25	ng	50.0		93.5	70-130			
o-Xylene	46.9	25	ng	50.0		93.7	70-130			
1,2,3-Trichloropropane	50.3	10	ng	50.0		101	70-130			
Isopropylbenzene	46.2	25	ng	50.0		92.4	70-130			
1,3,5-Trimethylbenzene	47.8	25	ng	50.0		95.6	70-130			
1,2,4-Trimethylbenzene	48.4	25	ng	50.0		96.7	70-130			
1,3-Dichlorobenzene	50.0	10	ng	50.0		99.9	70-130			
1,4-Dichlorobenzene	47.5	10	ng	50.0		94.9	70-130			
1,2-Dichlorobenzene	50.1	10	ng	50.0		100	70-130			
1,2,4-Trichlorobenzene	47.1	10	ng	50.0		94.2	70-130			
Naphthalene	45.9	25	ng	50.0		91.9	70-130			
1,2,3-Trichlorobenzene	50.1	10	ng	50.0		100	70-130			
2-Methylnaphthalene	44.9	25	ng	50.0		89.7	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	52.9		ng	50.0		106	70-130			
<i>Surrogate: Toluene-d8</i>	50.1		ng	50.0		100	70-130			
<i>Surrogate: Bromofluorobenzene</i>	45.0		ng	50.0		89.9	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K005 - Batch: 23K0004 - Instrument: S System - File ID: S23110202.D

23K0004-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	57.4	10	ng	50.0		115	80-120			
1,1-Dichloroethene	54.0	10	ng	50.0		108	80-120			
Methylene Chloride	52.1	10	ng	50.0		104	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	56.0	10	ng	50.0		112	80-120			
trans-1,2-Dichloroethene	54.8	10	ng	50.0		110	80-120			
Methyl-t-butyl ether	42.5	25	ng	50.0		84.9	80-120			
1,1-Dichloroethane	48.6	10	ng	50.0		97.2	80-120			
cis-1,2-Dichloroethene	52.5	10	ng	50.0		105	80-120			
Chloroform	55.5	10	ng	50.0		111	80-120			
1,2-Dichloroethane	57.3	10	ng	50.0		115	80-120			
1,1,1-Trichloroethane	55.2	10	ng	50.0		110	80-120			
Carbon Tetrachloride	54.5	10	ng	50.0		109	80-120			
Benzene	47.6	25	ng	50.0		95.3	80-120			
Trichloroethene	48.4	10	ng	50.0		96.8	80-120			
1,4-Dioxane	48.0	10	ng	50.0		96.1	80-120			
1,1,2-Trichloroethane	52.2	10	ng	50.0		104	80-120			
Toluene	46.1	25	ng	50.0		92.2	80-120			
1,2-Dibromoethane (EDB)	51.4	10	ng	50.0		103	80-120			
Tetrachloroethene	49.4	10	ng	50.0		98.7	80-120			
1,1,1,2-Tetrachloroethane	56.3	10	ng	50.0		113	80-120			
Chlorobenzene	48.5	10	ng	50.0		97.0	80-120			
Ethylbenzene	46.8	25	ng	50.0		93.6	80-120			
p & m-Xylene	46.4	25	ng	50.0		92.8	80-120			
o-Xylene	46.6	25	ng	50.0		93.3	80-120			
1,2,3-Trichloropropane	46.9	10	ng	50.0		93.9	80-120			
Isopropylbenzene	49.1	25	ng	50.0		98.1	80-120			
1,3,5-Trimethylbenzene	49.1	25	ng	50.0		98.2	80-120			
1,2,4-Trimethylbenzene	48.7	25	ng	50.0		97.4	80-120			
1,3-Dichlorobenzene	54.0	10	ng	50.0		108	80-120			
1,4-Dichlorobenzene	49.3	10	ng	50.0		98.5	80-120			
1,2-Dichlorobenzene	53.7	10	ng	50.0		107	80-120			
1,2,4-Trichlorobenzene	48.3	10	ng	50.0		96.6	80-120			
Naphthalene	43.2	25	ng	50.0		86.4	80-120			
1,2,3-Trichlorobenzene	50.0	10	ng	50.0		100	80-120			
2-Methylnaphthalene	41.5	25	ng	50.0		82.9	80-120			
<i>Surrogate: 1,2-DCA-d4</i>	<i>60.2</i>		<i>ng</i>	<i>50.0</i>		<i>120</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.3</i>		<i>ng</i>	<i>50.0</i>		<i>98.7</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>47.7</i>		<i>ng</i>	<i>50.0</i>		<i>95.3</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B23K005 - Batch: 23K0004 - Instrument: S System - File ID: S23110203.D

23K0004-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.781	0.781	µg/m³							U
1,1-Dichloroethene	<1.92	1.92	µg/m³							U
Methylene Chloride	<1.81	1.81	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.710	0.710	µg/m³							U
trans-1,2-Dichloroethene	<1.44	1.44	µg/m³							U
Methyl-t-butyl ether	<3.16	3.16	µg/m³							U
1,1-Dichloroethane	<0.744	0.744	µg/m³							U
cis-1,2-Dichloroethene	<1.19	1.19	µg/m³							U
Chloroform	<1.81	1.81	µg/m³							U
1,2-Dichloroethane	<1.13	1.13	µg/m³							U
1,1,1-Trichloroethane	<0.602	0.602	µg/m³							U
Carbon Tetrachloride	<1.47	1.47	µg/m³							U
Benzene	<2.98	2.98	µg/m³							U
Trichloroethene	<1.92	1.92	µg/m³							U
1,4-Dioxane	<1.54	1.54	µg/m³							U
1,1,2-Trichloroethane	<1.92	1.92	µg/m³							U
Toluene	<3.95	3.95	µg/m³							U
1,2-Dibromoethane (EDB)	<1.62	1.62	µg/m³							U
Tetrachloroethene	<1.54	1.54	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.54	1.54	µg/m³							U
Chlorobenzene	<0.744	0.744	µg/m³							U
Ethylbenzene	<1.86	1.86	µg/m³							U
p & m-Xylene	<1.80	1.80	µg/m³							U
o-Xylene	<1.80	1.80	µg/m³							U
1,2,3-Trichloropropane	<0.843	0.843	µg/m³							U
Isopropylbenzene	<1.90	1.90	µg/m³							U
1,3,5-Trimethylbenzene	<1.90	1.90	µg/m³							U
1,2,4-Trimethylbenzene	<1.90	1.90	µg/m³							U
1,3-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,4-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,2-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,2,4-Trichlorobenzene	<1.62	1.62	µg/m³							U
Naphthalene	<1.98	1.98	µg/m³							U
1,2,3-Trichlorobenzene	<1.62	1.62	µg/m³							U
2-Methylnaphthalene	<2.08	2.08	µg/m³							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>121</i>		<i>ng</i>	<i>100</i>		<i>121</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>98.2</i>		<i>ng</i>	<i>100</i>		<i>98.2</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>89.5</i>		<i>ng</i>	<i>100</i>		<i>89.5</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K005 - Batch: 23K0004 - Instrument: S System - File ID: S23110203.D

23K0004-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
<i>Surrogate: 1,2-DCA-d4</i>	<i>121</i>		<i>ng</i>	<i>100</i>		<i>121</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>98.2</i>		<i>ng</i>	<i>100</i>		<i>98.2</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>89.5</i>		<i>ng</i>	<i>100</i>		<i>89.5</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K005 - Instrument: S System - File ID: S23110204.D

B23K005-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	57.8	10	ng	50.0		116	70-130			
1,1-Dichloroethene	56.3	10	ng	50.0		113	70-130			
Methylene Chloride	52.2	10	ng	50.0		104	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	53.7	10	ng	50.0		107	70-130			
trans-1,2-Dichloroethene	56.0	10	ng	50.0		112	70-130			
Methyl-t-butyl ether	41.1	25	ng	50.0		82.1	70-130			
1,1-Dichloroethane	49.4	10	ng	50.0		98.8	70-130			
cis-1,2-Dichloroethene	53.8	10	ng	50.0		108	70-130			
Chloroform	57.0	10	ng	50.0		114	70-130			
1,2-Dichloroethane	59.8	10	ng	50.0		120	70-130			
1,1,1-Trichloroethane	57.0	10	ng	50.0		114	70-130			
Carbon Tetrachloride	54.8	10	ng	50.0		110	70-130			
Benzene	48.4	25	ng	50.0		96.7	70-130			
Trichloroethene	51.9	10	ng	50.0		104	70-130			
1,4-Dioxane	45.6	10	ng	50.0		91.2	70-130			
1,1,2-Trichloroethane	53.8	10	ng	50.0		108	70-130			
Toluene	48.2	25	ng	50.0		96.3	70-130			
1,2-Dibromoethane (EDB)	53.0	10	ng	50.0		106	70-130			
Tetrachloroethene	51.3	10	ng	50.0		103	70-130			
1,1,1,2-Tetrachloroethane	57.6	10	ng	50.0		115	70-130			
Chlorobenzene	49.9	10	ng	50.0		99.8	70-130			
Ethylbenzene	47.1	25	ng	50.0		94.2	70-130			
p & m-Xylene	48.3	25	ng	50.0		96.5	70-130			
o-Xylene	48.3	25	ng	50.0		96.5	70-130			
1,2,3-Trichloropropane	49.4	10	ng	50.0		98.9	70-130			
Isopropylbenzene	51.2	25	ng	50.0		102	70-130			
1,3,5-Trimethylbenzene	50.1	25	ng	50.0		100	70-130			
1,2,4-Trimethylbenzene	51.0	25	ng	50.0		102	70-130			
1,3-Dichlorobenzene	53.5	10	ng	50.0		107	70-130			
1,4-Dichlorobenzene	52.0	10	ng	50.0		104	70-130			
1,2-Dichlorobenzene	55.0	10	ng	50.0		110	70-130			
1,2,4-Trichlorobenzene	49.2	10	ng	50.0		98.3	70-130			
Naphthalene	44.9	25	ng	50.0		89.9	70-130			
1,2,3-Trichlorobenzene	51.5	10	ng	50.0		103	70-130			
2-Methylnaphthalene	40.4	25	ng	50.0		80.8	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>59.6</i>		<i>ng</i>	<i>50.0</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.0</i>		<i>ng</i>	<i>50.0</i>		<i>98.0</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>48.1</i>		<i>ng</i>	<i>50.0</i>		<i>96.2</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K012 - Batch: 23K0011 - Instrument: S System - File ID: S23110302.D

23K0011-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	46.9	10	ng	50.0		93.7	80-120			
1,1-Dichloroethene	45.0	10	ng	50.0		89.9	80-120			
Methylene Chloride	45.5	10	ng	50.0		90.9	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	44.6	10	ng	50.0		89.3	80-120			
trans-1,2-Dichloroethene	46.8	10	ng	50.0		93.6	80-120			
Methyl-t-butyl ether	40.4	25	ng	50.0		80.8	80-120			
1,1-Dichloroethane	47.1	10	ng	50.0		94.1	80-120			
cis-1,2-Dichloroethene	49.8	10	ng	50.0		99.6	80-120			
Chloroform	58.6	10	ng	50.0		117	80-120			
1,2-Dichloroethane	42.4	10	ng	50.0		84.7	80-120			
1,1,1-Trichloroethane	50.9	10	ng	50.0		102	80-120			
Carbon Tetrachloride	49.6	10	ng	50.0		99.2	80-120			
Benzene	46.6	25	ng	50.0		93.1	80-120			
Trichloroethene	51.7	10	ng	50.0		103	80-120			
1,4-Dioxane	55.4	10	ng	50.0		111	80-120			
1,1,2-Trichloroethane	59.6	10	ng	50.0		119	80-120			
Toluene	42.6	25	ng	50.0		85.1	80-120			
1,2-Dibromoethane (EDB)	51.8	10	ng	50.0		104	80-120			
Tetrachloroethene	45.8	10	ng	50.0		91.6	80-120			
1,1,1,2-Tetrachloroethane	58.5	10	ng	50.0		117	80-120			
Chlorobenzene	48.2	10	ng	50.0		96.5	80-120			
Ethylbenzene	46.2	25	ng	50.0		92.5	80-120			
p & m-Xylene	44.9	25	ng	50.0		89.8	80-120			
o-Xylene	46.5	25	ng	50.0		92.9	80-120			
1,2,3-Trichloropropane	53.8	10	ng	50.0		108	80-120			
Isopropylbenzene	49.3	25	ng	50.0		98.6	80-120			
1,3,5-Trimethylbenzene	49.4	25	ng	50.0		98.9	80-120			
1,2,4-Trimethylbenzene	51.6	25	ng	50.0		103	80-120			
1,3-Dichlorobenzene	56.2	10	ng	50.0		112	80-120			
1,4-Dichlorobenzene	53.3	10	ng	50.0		107	80-120			
1,2-Dichlorobenzene	56.8	10	ng	50.0		114	80-120			
1,2,4-Trichlorobenzene	47.8	10	ng	50.0		95.7	80-120			
Naphthalene	40.0	25	ng	50.0		80.0	80-120			
1,2,3-Trichlorobenzene	50.1	10	ng	50.0		100	80-120			
2-Methylnaphthalene	40.3	25	ng	50.0		80.6	80-120			
<i>Surrogate: 1,2-DCA-d4</i>	<i>63.5</i>		<i>ng</i>	<i>50.0</i>		<i>127</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>45.5</i>		<i>ng</i>	<i>50.0</i>		<i>91.1</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>51.1</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: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B23K012 - Batch: 23K0011 - Instrument: S System - File ID: S23110303.D

23K0011-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.781	0.781	µg/m³							U
1,1-Dichloroethene	<1.92	1.92	µg/m³							U
Methylene Chloride	<1.81	1.81	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.710	0.710	µg/m³							U
trans-1,2-Dichloroethene	<1.44	1.44	µg/m³							U
Methyl-t-butyl ether	<3.16	3.16	µg/m³							U
1,1-Dichloroethane	<0.744	0.744	µg/m³							U
cis-1,2-Dichloroethene	<1.19	1.19	µg/m³							U
Chloroform	<1.81	1.81	µg/m³							U
1,2-Dichloroethane	<1.13	1.13	µg/m³							U
1,1,1-Trichloroethane	<0.602	0.602	µg/m³							U
Carbon Tetrachloride	<1.47	1.47	µg/m³							U
Benzene	<2.98	2.98	µg/m³							U
Trichloroethene	<1.92	1.92	µg/m³							U
1,4-Dioxane	<1.54	1.54	µg/m³							U
1,1,2-Trichloroethane	<1.92	1.92	µg/m³							U
Toluene	<3.95	3.95	µg/m³							U
1,2-Dibromoethane (EDB)	<1.62	1.62	µg/m³							U
Tetrachloroethene	<1.54	1.54	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.54	1.54	µg/m³							U
Chlorobenzene	<0.744	0.744	µg/m³							U
Ethylbenzene	<1.86	1.86	µg/m³							U
p & m-Xylene	<1.80	1.80	µg/m³							U
o-Xylene	<1.80	1.80	µg/m³							U
1,2,3-Trichloropropane	<0.843	0.843	µg/m³							U
Isopropylbenzene	<1.90	1.90	µg/m³							U
1,3,5-Trimethylbenzene	<1.90	1.90	µg/m³							U
1,2,4-Trimethylbenzene	<1.90	1.90	µg/m³							U
1,3-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,4-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,2-Dichlorobenzene	<0.843	0.843	µg/m³							U
1,2,4-Trichlorobenzene	<1.62	1.62	µg/m³							U
Naphthalene	<1.98	1.98	µg/m³							U
1,2,3-Trichlorobenzene	<1.62	1.62	µg/m³							U
2-Methylnaphthalene	<2.08	2.08	µg/m³							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>122</i>		<i>ng</i>	<i>100</i>		<i>122</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>96.3</i>		<i>ng</i>	<i>100</i>		<i>96.3</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>90.1</i>		<i>ng</i>	<i>100</i>		<i>90.1</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K012 - Batch: 23K0011 - Instrument: S System - File ID: S23110303.D

23K0011-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	122		ng	100		122	70-130			
Surrogate: Toluene-d8	96.3		ng	100		96.3	70-130			
Surrogate: Bromofluorobenzene	90.1		ng	100		90.1	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23K012 - Instrument: S System - File ID: S23110304.D

B23K012-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	45.5	10	ng	50.0		91.1	70-130			
1,1-Dichloroethene	42.1	10	ng	50.0		84.1	70-130			
Methylene Chloride	44.5	10	ng	50.0		88.9	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	40.9	10	ng	50.0		81.7	70-130			
trans-1,2-Dichloroethene	46.3	10	ng	50.0		92.5	70-130			
Methyl-t-butyl ether	38.7	25	ng	50.0		77.4	70-130			
1,1-Dichloroethane	45.9	10	ng	50.0		91.8	70-130			
cis-1,2-Dichloroethene	50.7	10	ng	50.0		101	70-130			
Chloroform	59.2	10	ng	50.0		118	70-130			
1,2-Dichloroethane	46.4	10	ng	50.0		92.9	70-130			
1,1,1-Trichloroethane	51.9	10	ng	50.0		104	70-130			
Carbon Tetrachloride	49.4	10	ng	50.0		98.9	70-130			
Benzene	48.5	25	ng	50.0		96.9	70-130			
Trichloroethene	52.8	10	ng	50.0		106	70-130			
1,4-Dioxane	55.1	10	ng	50.0		110	70-130			
1,1,2-Trichloroethane	56.9	10	ng	50.0		114	70-130			
Toluene	42.9	25	ng	50.0		85.7	70-130			
1,2-Dibromoethane (EDB)	52.5	10	ng	50.0		105	70-130			
Tetrachloroethene	47.3	10	ng	50.0		94.7	70-130			
1,1,1,2-Tetrachloroethane	59.2	10	ng	50.0		118	70-130			
Chlorobenzene	49.5	10	ng	50.0		98.9	70-130			
Ethylbenzene	46.2	25	ng	50.0		92.4	70-130			
p & m-Xylene	46.7	25	ng	50.0		93.5	70-130			
o-Xylene	48.8	25	ng	50.0		97.7	70-130			
1,2,3-Trichloropropane	54.0	10	ng	50.0		108	70-130			
Isopropylbenzene	51.4	25	ng	50.0		103	70-130			
1,3,5-Trimethylbenzene	53.4	25	ng	50.0		107	70-130			
1,2,4-Trimethylbenzene	54.7	25	ng	50.0		109	70-130			
1,3-Dichlorobenzene	56.5	10	ng	50.0		113	70-130			
1,4-Dichlorobenzene	52.8	10	ng	50.0		106	70-130			
1,2-Dichlorobenzene	58.5	10	ng	50.0		117	70-130			
1,2,4-Trichlorobenzene	48.5	10	ng	50.0		97.0	70-130			
Naphthalene	41.4	25	ng	50.0		82.9	70-130			
1,2,3-Trichlorobenzene	51.4	10	ng	50.0		103	70-130			
2-Methylnaphthalene	40.2	25	ng	50.0		80.5	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>63.4</i>		<i>ng</i>	<i>50.0</i>		<i>127</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>43.1</i>		<i>ng</i>	<i>50.0</i>		<i>86.2</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>48.1</i>		<i>ng</i>	<i>50.0</i>		<i>96.2</i>	<i>70-130</i>			

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Additional QC Information

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-01 **Sample Name:** 09R_SG_01_20231027

Vinyl Chloride	15,815	1.00	0.810	U	U	S23110205.D
1,1-Dichloroethene	15,815	1.00	0.330	U	U	S23110205.D
Methylene Chloride	15,815	1.00	0.350 ^g	U	U	S23110205.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	U	U	S23110205.D
trans-1,2-Dichloroethene	15,815	1.00	0.440	U	U	S23110205.D
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	U	U	S23110205.D
1,1-Dichloroethane	15,815	1.00	0.850	U	U	S23110205.D
cis-1,2-Dichloroethene	15,815	1.00	0.530	U	U	S23110205.D
Chloroform	15,815	1.00	0.350 ^g	U	U	S23110205.D
1,2-Dichloroethane	15,815	1.00	0.560	U	U	S23110205.D
1,1,1-Trichloroethane	15,815	1.00	1.050	U	U	S23110205.D
Carbon Tetrachloride	15,815	1.00	0.430 ^g	U	U	S23110205.D
Benzene	15,815	1.00	0.530	U	U	S23110205.D
Trichloroethene	15,815	1.00	0.330	U	U	S23110205.D
1,4-Dioxane	15,815	1.00	0.410 ^g	U	U	S23110205.D
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	U	U	S23110205.D
Toluene	15,815	1.00	0.400	U	U	S23110205.D
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	U	U	S23110205.D
Tetrachloroethene	15,815	1.00	0.410	U	U	S23110205.D
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	U	U	S23110205.D
Chlorobenzene	15,815	1.00	0.850 ^g	U	U	S23110205.D
Ethylbenzene	15,815	1.00	0.850	U	U	S23110205.D
p & m-Xylene	15,815	1.00	0.880	45.90	3.30	S23110205.D
o-Xylene	15,815	1.00	0.880	U	U	S23110205.D
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	U	U	S23110205.D
Isopropylbenzene	15,815	1.00	0.830 ^g	U	U	S23110205.D
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110205.D
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110205.D
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110205.D
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110205.D
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110205.D
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110205.D
Naphthalene	15,815	1.00	0.800 ^g	U	U	S23110205.D
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110205.D
2-Methylnaphthalene	15,815	1.00	0.760 ^g	U	U	S23110205.D
TPH C5-C8	15,815	1.00	0.590	U	U	S23110205.D
TPH C9-C15	15,815	1.00	0.690	U	U	S23110205.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-02 **Sample Name:** 09R_SG_02_20231027

Vinyl Chloride	15,811	1.00	0.810	U	U	S23110206.D
1,1-Dichloroethene	15,811	1.00	0.330	U	U	S23110206.D
Methylene Chloride	15,811	1.00	0.350 ^g	U	U	S23110206.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,811	1.00	0.890 ^g	U	U	S23110206.D
trans-1,2-Dichloroethene	15,811	1.00	0.440	U	U	S23110206.D
Methyl-t-butyl ether	15,811	1.00	0.500 ^g	U	U	S23110206.D
1,1-Dichloroethane	15,811	1.00	0.850	U	U	S23110206.D
cis-1,2-Dichloroethene	15,811	1.00	0.530	U	U	S23110206.D
Chloroform	15,811	1.00	0.350 ^g	U	U	S23110206.D
1,2-Dichloroethane	15,811	1.00	0.560	U	U	S23110206.D
1,1,1-Trichloroethane	15,811	1.00	1.050	U	U	S23110206.D
Carbon Tetrachloride	15,811	1.00	0.430 ^g	U	U	S23110206.D
Benzene	15,811	1.00	0.530	U	U	S23110206.D
Trichloroethene	15,811	1.00	0.330	U	U	S23110206.D
1,4-Dioxane	15,811	1.00	0.410 ^g	U	U	S23110206.D
1,1,2-Trichloroethane	15,811	1.00	0.330 ^g	U	U	S23110206.D
Toluene	15,811	1.00	0.400	U	U	S23110206.D
1,2-Dibromoethane (EDB)	15,811	1.00	0.390 ^g	U	U	S23110206.D
Tetrachloroethene	15,811	1.00	0.410	U	U	S23110206.D
1,1,1,2-Tetrachloroethane	15,811	1.00	0.410 ^g	U	U	S23110206.D
Chlorobenzene	15,811	1.00	0.850 ^g	U	U	S23110206.D
Ethylbenzene	15,811	1.00	0.850	U	U	S23110206.D
p & m-Xylene	15,811	1.00	0.880	U	U	S23110206.D
o-Xylene	15,811	1.00	0.880	U	U	S23110206.D
1,2,3-Trichloropropane	15,811	1.00	0.750 ^g	U	U	S23110206.D
Isopropylbenzene	15,811	1.00	0.830 ^g	U	U	S23110206.D
1,3,5-Trimethylbenzene	15,811	1.00	0.830 ^g	U	U	S23110206.D
1,2,4-Trimethylbenzene	15,811	1.00	0.830 ^g	U	U	S23110206.D
1,3-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110206.D
1,4-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110206.D
1,2-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110206.D
1,2,4-Trichlorobenzene	15,811	1.00	0.390 ^g	U	U	S23110206.D
Naphthalene	15,811	1.00	0.800 ^g	U	U	S23110206.D
1,2,3-Trichlorobenzene	15,811	1.00	0.390 ^g	U	U	S23110206.D
2-Methylnaphthalene	15,811	1.00	0.760 ^g	U	U	S23110206.D
TPH C5-C8	15,811	1.00	0.590	U	U	S23110206.D
TPH C9-C15	15,811	1.00	0.690	U	U	S23110206.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-03 **Sample Name:** 09R_SG_03_20231027

Vinyl Chloride	15,815	1.00	0.810	11.86	0.93	S23110207.D
1,1-Dichloroethene	15,815	1.00	0.330	83.27	16.0	S23110207.D
Methylene Chloride	15,815	1.00	0.350 ^g	U	U	S23110207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	U	U	S23110207.D
trans-1,2-Dichloroethene	15,815	1.00	0.440	U	U	S23110207.D
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	U	U	S23110207.D
1,1-Dichloroethane	15,815	1.00	0.850	U	U	S23110207.D
cis-1,2-Dichloroethene	15,815	1.00	0.530	U	U	S23110207.D
Chloroform	15,815	1.00	0.350 ^g	U	U	S23110207.D
1,2-Dichloroethane	15,815	1.00	0.560	U	U	S23110207.D
1,1,1-Trichloroethane	15,815	1.00	1.050	117.91	7.10	S23110207.D
Carbon Tetrachloride	15,815	1.00	0.430 ^g	U	U	S23110207.D
Benzene	15,815	1.00	0.530	U	U	S23110207.D
Trichloroethene	15,815	1.00	0.330	217.58	41.7	S23110207.D
1,4-Dioxane	15,815	1.00	0.410 ^g	U	U	S23110207.D
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	U	U	S23110207.D
Toluene	15,815	1.00	0.400	U	U	S23110207.D
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	U	U	S23110207.D
Tetrachloroethene	15,815	1.00	0.410	U	U	S23110207.D
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	U	U	S23110207.D
Chlorobenzene	15,815	1.00	0.850 ^g	U	U	S23110207.D
Ethylbenzene	15,815	1.00	0.850	194.39	14.5	S23110207.D
p & m-Xylene	15,815	1.00	0.880	737.84	53.0	S23110207.D
o-Xylene	15,815	1.00	0.880	254.28	18.3	S23110207.D
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	U	U	S23110207.D
Isopropylbenzene	15,815	1.00	0.830 ^g	U	U	S23110207.D
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110207.D
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110207.D
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110207.D
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110207.D
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110207.D
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110207.D
Naphthalene	15,815	1.00	0.800 ^g	U	U	S23110207.D
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110207.D
2-Methylnaphthalene	15,815	1.00	0.760 ^g	U	U	S23110207.D
TPH C5-C8	15,815	1.00	0.590	U	U	S23110207.D
TPH C9-C15	15,815	1.00	0.690	U	U	S23110207.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-04 **Sample Name:** 09R_SG_04_20231027

Vinyl Chloride	15,817	1.00	0.810	U	U	S23110208.D
1,1-Dichloroethene	15,817	1.00	0.330	U	U	S23110208.D
Methylene Chloride	15,817	1.00	0.350 ^g	U	U	S23110208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,817	1.00	0.890 ^g	U	U	S23110208.D
trans-1,2-Dichloroethene	15,817	1.00	0.440	U	U	S23110208.D
Methyl-t-butyl ether	15,817	1.00	0.500 ^g	U	U	S23110208.D
1,1-Dichloroethane	15,817	1.00	0.850	U	U	S23110208.D
cis-1,2-Dichloroethene	15,817	1.00	0.530	U	U	S23110208.D
Chloroform	15,817	1.00	0.350 ^g	U	U	S23110208.D
1,2-Dichloroethane	15,817	1.00	0.560	U	U	S23110208.D
1,1,1-Trichloroethane	15,817	1.00	1.050	U	U	S23110208.D
Carbon Tetrachloride	15,817	1.00	0.430 ^g	U	U	S23110208.D
Benzene	15,817	1.00	0.530	U	U	S23110208.D
Trichloroethene	15,817	1.00	0.330	U	U	S23110208.D
1,4-Dioxane	15,817	1.00	0.410 ^g	U	U	S23110208.D
1,1,2-Trichloroethane	15,817	1.00	0.330 ^g	U	U	S23110208.D
Toluene	15,817	1.00	0.400	U	U	S23110208.D
1,2-Dibromoethane (EDB)	15,817	1.00	0.390 ^g	U	U	S23110208.D
Tetrachloroethene	15,817	1.00	0.410	U	U	S23110208.D
1,1,1,2-Tetrachloroethane	15,817	1.00	0.410 ^g	U	U	S23110208.D
Chlorobenzene	15,817	1.00	0.850 ^g	U	U	S23110208.D
Ethylbenzene	15,817	1.00	0.850	U	U	S23110208.D
p & m-Xylene	15,817	1.00	0.880	U	U	S23110208.D
o-Xylene	15,817	1.00	0.880	U	U	S23110208.D
1,2,3-Trichloropropane	15,817	1.00	0.750 ^g	U	U	S23110208.D
Isopropylbenzene	15,817	1.00	0.830 ^g	U	U	S23110208.D
1,3,5-Trimethylbenzene	15,817	1.00	0.830 ^g	U	U	S23110208.D
1,2,4-Trimethylbenzene	15,817	1.00	0.830 ^g	U	U	S23110208.D
1,3-Dichlorobenzene	15,817	1.00	0.750 ^g	U	U	S23110208.D
1,4-Dichlorobenzene	15,817	1.00	0.750 ^g	U	U	S23110208.D
1,2-Dichlorobenzene	15,817	1.00	0.750 ^g	U	U	S23110208.D
1,2,4-Trichlorobenzene	15,817	1.00	0.390 ^g	U	U	S23110208.D
Naphthalene	15,817	1.00	0.800 ^g	U	U	S23110208.D
1,2,3-Trichlorobenzene	15,817	1.00	0.390 ^g	U	U	S23110208.D
2-Methylnaphthalene	15,817	1.00	0.760 ^g	U	U	S23110208.D
TPH C5-C8	15,817	1.00	0.590	U	U	S23110208.D
TPH C9-C15	15,817	1.00	0.690	U	U	S23110208.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-06 **Sample Name:** 09R_SG_06_20231027

Vinyl Chloride	15,815	1.00	0.810	U	U	S23110210.D
1,1-Dichloroethene	15,815	1.00	0.330	U	U	S23110210.D
Methylene Chloride	15,815	1.00	0.350 ^g	U	U	S23110210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	U	U	S23110210.D
trans-1,2-Dichloroethene	15,815	1.00	0.440	U	U	S23110210.D
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	U	U	S23110210.D
1,1-Dichloroethane	15,815	1.00	0.850	U	U	S23110210.D
cis-1,2-Dichloroethene	15,815	1.00	0.530	U	U	S23110210.D
Chloroform	15,815	1.00	0.350 ^g	U	U	S23110210.D
1,2-Dichloroethane	15,815	1.00	0.560	U	U	S23110210.D
1,1,1-Trichloroethane	15,815	1.00	1.050	U	U	S23110210.D
Carbon Tetrachloride	15,815	1.00	0.430 ^g	U	U	S23110210.D
Benzene	15,815	1.00	0.530	U	U	S23110210.D
Trichloroethene	15,815	1.00	0.330	U	U	S23110210.D
1,4-Dioxane	15,815	1.00	0.410 ^g	U	U	S23110210.D
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	U	U	S23110210.D
Toluene	15,815	1.00	0.400	U	U	S23110210.D
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	U	U	S23110210.D
Tetrachloroethene	15,815	1.00	0.410	U	U	S23110210.D
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	U	U	S23110210.D
Chlorobenzene	15,815	1.00	0.850 ^g	U	U	S23110210.D
Ethylbenzene	15,815	1.00	0.850	U	U	S23110210.D
p & m-Xylene	15,815	1.00	0.880	U	U	S23110210.D
o-Xylene	15,815	1.00	0.880	U	U	S23110210.D
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	U	U	S23110210.D
Isopropylbenzene	15,815	1.00	0.830 ^g	U	U	S23110210.D
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110210.D
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	U	U	S23110210.D
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110210.D
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110210.D
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	U	U	S23110210.D
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110210.D
Naphthalene	15,815	1.00	0.800 ^g	U	U	S23110210.D
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	U	U	S23110210.D
2-Methylnaphthalene	15,815	1.00	0.760 ^g	U	U	S23110210.D
TPH C5-C8	15,815	1.00	0.590	U	U	S23110210.D
TPH C9-C15	15,815	1.00	0.690	U	U	S23110210.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-07 **Sample Name:** 09R_SG_07_20231027

Vinyl Chloride	15,811	1.00	0.810	U	U	S23110211.D
1,1-Dichloroethene	15,811	1.00	0.330	U	U	S23110211.D
Methylene Chloride	15,811	1.00	0.350 ^g	U	U	S23110211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,811	1.00	0.890 ^g	U	U	S23110211.D
trans-1,2-Dichloroethene	15,811	1.00	0.440	U	U	S23110211.D
Methyl-t-butyl ether	15,811	1.00	0.500 ^g	U	U	S23110211.D
1,1-Dichloroethane	15,811	1.00	0.850	U	U	S23110211.D
cis-1,2-Dichloroethene	15,811	1.00	0.530	U	U	S23110211.D
Chloroform	15,811	1.00	0.350 ^g	U	U	S23110211.D
1,2-Dichloroethane	15,811	1.00	0.560	U	U	S23110211.D
1,1,1-Trichloroethane	15,811	1.00	1.050	U	U	S23110211.D
Carbon Tetrachloride	15,811	1.00	0.430 ^g	U	U	S23110211.D
Benzene	15,811	1.00	0.530	U	U	S23110211.D
Trichloroethene	15,811	1.00	0.330	U	U	S23110211.D
1,4-Dioxane	15,811	1.00	0.410 ^g	U	U	S23110211.D
1,1,2-Trichloroethane	15,811	1.00	0.330 ^g	U	U	S23110211.D
Toluene	15,811	1.00	0.400	U	U	S23110211.D
1,2-Dibromoethane (EDB)	15,811	1.00	0.390 ^g	U	U	S23110211.D
Tetrachloroethene	15,811	1.00	0.410	U	U	S23110211.D
1,1,1,2-Tetrachloroethane	15,811	1.00	0.410 ^g	U	U	S23110211.D
Chlorobenzene	15,811	1.00	0.850 ^g	U	U	S23110211.D
Ethylbenzene	15,811	1.00	0.850	U	U	S23110211.D
p & m-Xylene	15,811	1.00	0.880	U	U	S23110211.D
o-Xylene	15,811	1.00	0.880	U	U	S23110211.D
1,2,3-Trichloropropane	15,811	1.00	0.750 ^g	U	U	S23110211.D
Isopropylbenzene	15,811	1.00	0.830 ^g	U	U	S23110211.D
1,3,5-Trimethylbenzene	15,811	1.00	0.830 ^g	U	U	S23110211.D
1,2,4-Trimethylbenzene	15,811	1.00	0.830 ^g	U	U	S23110211.D
1,3-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110211.D
1,4-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110211.D
1,2-Dichlorobenzene	15,811	1.00	0.750 ^g	U	U	S23110211.D
1,2,4-Trichlorobenzene	15,811	1.00	0.390 ^g	U	U	S23110211.D
Naphthalene	15,811	1.00	0.800 ^g	U	U	S23110211.D
1,2,3-Trichlorobenzene	15,811	1.00	0.390 ^g	U	U	S23110211.D
2-Methylnaphthalene	15,811	1.00	0.760 ^g	U	U	S23110211.D
TPH C5-C8	15,811	1.00	0.590	U	U	S23110211.D
TPH C9-C15	15,811	1.00	0.690	U	U	S23110211.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-08 **Sample Name:** 09R_SG_08_20231027

Vinyl Chloride	15,809	1.00	0.810	U	U	S23110212.D
1,1-Dichloroethene	15,809	1.00	0.330	U	U	S23110212.D
Methylene Chloride	15,809	1.00	0.350 ^g	U	U	S23110212.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,809	1.00	0.890 ^g	U	U	S23110212.D
trans-1,2-Dichloroethene	15,809	1.00	0.440	U	U	S23110212.D
Methyl-t-butyl ether	15,809	1.00	0.500 ^g	U	U	S23110212.D
1,1-Dichloroethane	15,809	1.00	0.850	U	U	S23110212.D
cis-1,2-Dichloroethene	15,809	1.00	0.530	U	U	S23110212.D
Chloroform	15,809	1.00	0.350 ^g	U	U	S23110212.D
1,2-Dichloroethane	15,809	1.00	0.560	U	U	S23110212.D
1,1,1-Trichloroethane	15,809	1.00	1.050	U	U	S23110212.D
Carbon Tetrachloride	15,809	1.00	0.430 ^g	U	U	S23110212.D
Benzene	15,809	1.00	0.530	U	U	S23110212.D
Trichloroethene	15,809	1.00	0.330	U	U	S23110212.D
1,4-Dioxane	15,809	1.00	0.410 ^g	U	U	S23110212.D
1,1,2-Trichloroethane	15,809	1.00	0.330 ^g	U	U	S23110212.D
Toluene	15,809	1.00	0.400	U	U	S23110212.D
1,2-Dibromoethane (EDB)	15,809	1.00	0.390 ^g	U	U	S23110212.D
Tetrachloroethene	15,809	1.00	0.410	U	U	S23110212.D
1,1,1,2-Tetrachloroethane	15,809	1.00	0.410 ^g	U	U	S23110212.D
Chlorobenzene	15,809	1.00	0.850 ^g	U	U	S23110212.D
Ethylbenzene	15,809	1.00	0.850	U	U	S23110212.D
p & m-Xylene	15,809	1.00	0.880	U	U	S23110212.D
o-Xylene	15,809	1.00	0.880	U	U	S23110212.D
1,2,3-Trichloropropane	15,809	1.00	0.750 ^g	U	U	S23110212.D
Isopropylbenzene	15,809	1.00	0.830 ^g	U	U	S23110212.D
1,3,5-Trimethylbenzene	15,809	1.00	0.830 ^g	U	U	S23110212.D
1,2,4-Trimethylbenzene	15,809	1.00	0.830 ^g	U	U	S23110212.D
1,3-Dichlorobenzene	15,809	1.00	0.750 ^g	U	U	S23110212.D
1,4-Dichlorobenzene	15,809	1.00	0.750 ^g	U	U	S23110212.D
1,2-Dichlorobenzene	15,809	1.00	0.750 ^g	U	U	S23110212.D
1,2,4-Trichlorobenzene	15,809	1.00	0.390 ^g	U	U	S23110212.D
Naphthalene	15,809	1.00	0.800 ^g	U	U	S23110212.D
1,2,3-Trichlorobenzene	15,809	1.00	0.390 ^g	U	U	S23110212.D
2-Methylnaphthalene	15,809	1.00	0.760 ^g	U	U	S23110212.D
TPH C5-C8	15,809	1.00	0.590	U	U	S23110212.D
TPH C9-C15	15,809	1.00	0.690	U	U	S23110212.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-09 **Sample Name:** 09R_SG_09_20231027

Vinyl Chloride	15,806	1.00	0.810	U	U	S23110213.D
1,1-Dichloroethene	15,806	1.00	0.330	U	U	S23110213.D
Methylene Chloride	15,806	1.00	0.350 ^g	U	U	S23110213.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,806	1.00	0.890 ^g	U	U	S23110213.D
trans-1,2-Dichloroethene	15,806	1.00	0.440	U	U	S23110213.D
Methyl-t-butyl ether	15,806	1.00	0.500 ^g	U	U	S23110213.D
1,1-Dichloroethane	15,806	1.00	0.850	U	U	S23110213.D
cis-1,2-Dichloroethene	15,806	1.00	0.530	U	U	S23110213.D
Chloroform	15,806	1.00	0.350 ^g	U	U	S23110213.D
1,2-Dichloroethane	15,806	1.00	0.560	U	U	S23110213.D
1,1,1-Trichloroethane	15,806	1.00	1.050	21.25	1.28	S23110213.D
Carbon Tetrachloride	15,806	1.00	0.430 ^g	U	U	S23110213.D
Benzene	15,806	1.00	0.530	U	U	S23110213.D
Trichloroethene	15,806	1.00	0.330	17.04	3.27	S23110213.D
1,4-Dioxane	15,806	1.00	0.410 ^g	U	U	S23110213.D
1,1,2-Trichloroethane	15,806	1.00	0.330 ^g	U	U	S23110213.D
Toluene	15,806	1.00	0.400	U	U	S23110213.D
1,2-Dibromoethane (EDB)	15,806	1.00	0.390 ^g	U	U	S23110213.D
Tetrachloroethene	15,806	1.00	0.410	U	U	S23110213.D
1,1,1,2-Tetrachloroethane	15,806	1.00	0.410 ^g	U	U	S23110213.D
Chlorobenzene	15,806	1.00	0.850 ^g	U	U	S23110213.D
Ethylbenzene	15,806	1.00	0.850	U	U	S23110213.D
p & m-Xylene	15,806	1.00	0.880	U	U	S23110213.D
o-Xylene	15,806	1.00	0.880	U	U	S23110213.D
1,2,3-Trichloropropane	15,806	1.00	0.750 ^g	U	U	S23110213.D
Isopropylbenzene	15,806	1.00	0.830 ^g	U	U	S23110213.D
1,3,5-Trimethylbenzene	15,806	1.00	0.830 ^g	U	U	S23110213.D
1,2,4-Trimethylbenzene	15,806	1.00	0.830 ^g	U	U	S23110213.D
1,3-Dichlorobenzene	15,806	1.00	0.750 ^g	U	U	S23110213.D
1,4-Dichlorobenzene	15,806	1.00	0.750 ^g	U	U	S23110213.D
1,2-Dichlorobenzene	15,806	1.00	0.750 ^g	U	U	S23110213.D
1,2,4-Trichlorobenzene	15,806	1.00	0.390 ^g	U	U	S23110213.D
Naphthalene	15,806	1.00	0.800 ^g	U	U	S23110213.D
1,2,3-Trichlorobenzene	15,806	1.00	0.390 ^g	U	U	S23110213.D
2-Methylnaphthalene	15,806	1.00	0.760 ^g	U	U	S23110213.D
TPH C5-C8	15,806	1.00	0.590	U	U	S23110213.D
TPH C9-C15	15,806	1.00	0.690	U	U	S23110213.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-10 **Sample Name:** 09R_SG_10_20231027

Vinyl Chloride	15,803	1.00	0.810	U	U	S23110214.D
1,1-Dichloroethene	15,803	1.00	0.330	U	U	S23110214.D
Methylene Chloride	15,803	1.00	0.350 ^g	U	U	S23110214.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,803	1.00	0.890 ^g	U	U	S23110214.D
trans-1,2-Dichloroethene	15,803	1.00	0.440	U	U	S23110214.D
Methyl-t-butyl ether	15,803	1.00	0.500 ^g	U	U	S23110214.D
1,1-Dichloroethane	15,803	1.00	0.850	U	U	S23110214.D
cis-1,2-Dichloroethene	15,803	1.00	0.530	U	U	S23110214.D
Chloroform	15,803	1.00	0.350 ^g	U	U	S23110214.D
1,2-Dichloroethane	15,803	1.00	0.560	U	U	S23110214.D
1,1,1-Trichloroethane	15,803	1.00	1.050	U	U	S23110214.D
Carbon Tetrachloride	15,803	1.00	0.430 ^g	U	U	S23110214.D
Benzene	15,803	1.00	0.530	U	U	S23110214.D
Trichloroethene	15,803	1.00	0.330	U	U	S23110214.D
1,4-Dioxane	15,803	1.00	0.410 ^g	U	U	S23110214.D
1,1,2-Trichloroethane	15,803	1.00	0.330 ^g	U	U	S23110214.D
Toluene	15,803	1.00	0.400	U	U	S23110214.D
1,2-Dibromoethane (EDB)	15,803	1.00	0.390 ^g	U	U	S23110214.D
Tetrachloroethene	15,803	1.00	0.410	U	U	S23110214.D
1,1,1,2-Tetrachloroethane	15,803	1.00	0.410 ^g	U	U	S23110214.D
Chlorobenzene	15,803	1.00	0.850 ^g	U	U	S23110214.D
Ethylbenzene	15,803	1.00	0.850	U	U	S23110214.D
p & m-Xylene	15,803	1.00	0.880	U	U	S23110214.D
o-Xylene	15,803	1.00	0.880	U	U	S23110214.D
1,2,3-Trichloropropane	15,803	1.00	0.750 ^g	U	U	S23110214.D
Isopropylbenzene	15,803	1.00	0.830 ^g	U	U	S23110214.D
1,3,5-Trimethylbenzene	15,803	1.00	0.830 ^g	U	U	S23110214.D
1,2,4-Trimethylbenzene	15,803	1.00	0.830 ^g	U	U	S23110214.D
1,3-Dichlorobenzene	15,803	1.00	0.750 ^g	U	U	S23110214.D
1,4-Dichlorobenzene	15,803	1.00	0.750 ^g	U	U	S23110214.D
1,2-Dichlorobenzene	15,803	1.00	0.750 ^g	U	U	S23110214.D
1,2,4-Trichlorobenzene	15,803	1.00	0.390 ^g	U	U	S23110214.D
Naphthalene	15,803	1.00	0.800 ^g	U	U	S23110214.D
1,2,3-Trichlorobenzene	15,803	1.00	0.390 ^g	U	U	S23110214.D
2-Methylnaphthalene	15,803	1.00	0.760 ^g	U	U	S23110214.D
TPH C5-C8	15,803	1.00	0.590	U	U	S23110214.D
TPH C9-C15	15,803	1.00	0.690	U	U	S23110214.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-11 **Sample Name:** 09R_SG_11_20231027

Vinyl Chloride	15,805	1.00	0.810	U	U	S23110215.D
1,1-Dichloroethene	15,805	1.00	0.330	U	U	S23110215.D
Methylene Chloride	15,805	1.00	0.350 ^g	U	U	S23110215.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,805	1.00	0.890 ^g	U	U	S23110215.D
trans-1,2-Dichloroethene	15,805	1.00	0.440	U	U	S23110215.D
Methyl-t-butyl ether	15,805	1.00	0.500 ^g	U	U	S23110215.D
1,1-Dichloroethane	15,805	1.00	0.850	U	U	S23110215.D
cis-1,2-Dichloroethene	15,805	1.00	0.530	U	U	S23110215.D
Chloroform	15,805	1.00	0.350 ^g	U	U	S23110215.D
1,2-Dichloroethane	15,805	1.00	0.560	U	U	S23110215.D
1,1,1-Trichloroethane	15,805	1.00	1.050	U	U	S23110215.D
Carbon Tetrachloride	15,805	1.00	0.430 ^g	U	U	S23110215.D
Benzene	15,805	1.00	0.530	U	U	S23110215.D
Trichloroethene	15,805	1.00	0.330	U	U	S23110215.D
1,4-Dioxane	15,805	1.00	0.410 ^g	U	U	S23110215.D
1,1,2-Trichloroethane	15,805	1.00	0.330 ^g	U	U	S23110215.D
Toluene	15,805	1.00	0.400	U	U	S23110215.D
1,2-Dibromoethane (EDB)	15,805	1.00	0.390 ^g	U	U	S23110215.D
Tetrachloroethene	15,805	1.00	0.410	U	U	S23110215.D
1,1,1,2-Tetrachloroethane	15,805	1.00	0.410 ^g	U	U	S23110215.D
Chlorobenzene	15,805	1.00	0.850 ^g	U	U	S23110215.D
Ethylbenzene	15,805	1.00	0.850	U	U	S23110215.D
p & m-Xylene	15,805	1.00	0.880	U	U	S23110215.D
o-Xylene	15,805	1.00	0.880	U	U	S23110215.D
1,2,3-Trichloropropane	15,805	1.00	0.750 ^g	U	U	S23110215.D
Isopropylbenzene	15,805	1.00	0.830 ^g	U	U	S23110215.D
1,3,5-Trimethylbenzene	15,805	1.00	0.830 ^g	U	U	S23110215.D
1,2,4-Trimethylbenzene	15,805	1.00	0.830 ^g	U	U	S23110215.D
1,3-Dichlorobenzene	15,805	1.00	0.750 ^g	U	U	S23110215.D
1,4-Dichlorobenzene	15,805	1.00	0.750 ^g	U	U	S23110215.D
1,2-Dichlorobenzene	15,805	1.00	0.750 ^g	U	U	S23110215.D
1,2,4-Trichlorobenzene	15,805	1.00	0.390 ^g	U	U	S23110215.D
Naphthalene	15,805	1.00	0.800 ^g	U	U	S23110215.D
1,2,3-Trichlorobenzene	15,805	1.00	0.390 ^g	U	U	S23110215.D
2-Methylnaphthalene	15,805	1.00	0.760 ^g	U	U	S23110215.D
TPH C5-C8	15,805	1.00	0.590	U	U	S23110215.D
TPH C9-C15	15,805	1.00	0.690	U	U	S23110215.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-12 **Sample Name:** 09R_SG_12_20231027

Vinyl Chloride	15,804	1.00	0.810	13.11	1.02	S23110216.D
1,1-Dichloroethene	15,804	1.00	0.330	125.22	24.0	S23110216.D
Methylene Chloride	15,804	1.00	0.350 ^g	U	U	S23110216.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,804	1.00	0.890 ^g	U	U	S23110216.D
trans-1,2-Dichloroethene	15,804	1.00	0.440	U	U	S23110216.D
Methyl-t-butyl ether	15,804	1.00	0.500 ^g	U	U	S23110216.D
1,1-Dichloroethane	15,804	1.00	0.850	U	U	S23110216.D
cis-1,2-Dichloroethene	15,804	1.00	0.530	U	U	S23110216.D
Chloroform	15,804	1.00	0.350 ^g	U	U	S23110216.D
1,2-Dichloroethane	15,804	1.00	0.560	U	U	S23110216.D
1,1,1-Trichloroethane	15,804	1.00	1.050	277.32	16.7	S23110216.D
Carbon Tetrachloride	15,804	1.00	0.430 ^g	U	U	S23110216.D
Benzene	15,804	1.00	0.530	47.80	5.71	S23110216.D
Trichloroethene	15,804	1.00	0.330	355.60	68.2	S23110216.D
1,4-Dioxane	15,804	1.00	0.410 ^g	U	U	S23110216.D
1,1,2-Trichloroethane	15,804	1.00	0.330 ^g	U	U	S23110216.D
Toluene	15,804	1.00	0.400	U	U	S23110216.D
1,2-Dibromoethane (EDB)	15,804	1.00	0.390 ^g	U	U	S23110216.D
Tetrachloroethene	15,804	1.00	0.410	U	U	S23110216.D
1,1,1,2-Tetrachloroethane	15,804	1.00	0.410 ^g	U	U	S23110216.D
Chlorobenzene	15,804	1.00	0.850 ^g	U	U	S23110216.D
Ethylbenzene	15,804	1.00	0.850	348.56	25.9	S23110216.D
p & m-Xylene	15,804	1.00	0.880	1252.28	90.0	S23110216.D
o-Xylene	15,804	1.00	0.880	388.65	27.9	S23110216.D
1,2,3-Trichloropropane	15,804	1.00	0.750 ^g	U	U	S23110216.D
Isopropylbenzene	15,804	1.00	0.830 ^g	U	U	S23110216.D
1,3,5-Trimethylbenzene	15,804	1.00	0.830 ^g	U	U	S23110216.D
1,2,4-Trimethylbenzene	15,804	1.00	0.830 ^g	U	U	S23110216.D
1,3-Dichlorobenzene	15,804	1.00	0.750 ^g	U	U	S23110216.D
1,4-Dichlorobenzene	15,804	1.00	0.750 ^g	U	U	S23110216.D
1,2-Dichlorobenzene	15,804	1.00	0.750 ^g	U	U	S23110216.D
1,2,4-Trichlorobenzene	15,804	1.00	0.390 ^g	U	U	S23110216.D
Naphthalene	15,804	1.00	0.800 ^g	U	U	S23110216.D
1,2,3-Trichlorobenzene	15,804	1.00	0.390 ^g	U	U	S23110216.D
2-Methylnaphthalene	15,804	1.00	0.760 ^g	U	U	S23110216.D
TPH C5-C8	15,804	1.00	0.590	6466.35	693	S23110216.D
TPH C9-C15	15,804	1.00	0.690	U	U	S23110216.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-13

Sample Name: 09R_SG_13_20231027

Vinyl Chloride	15,798	1.00	0.810	111.09	8.68	S23110217.D
1,1-Dichloroethene	15,798	1.00	0.330	803.03	154	S23110217.D
Methylene Chloride	15,798	1.00	0.350 ^g	U	U	S23110217.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,798	1.00	0.890 ^g	U	U	S23110217.D
trans-1,2-Dichloroethene	15,798	1.00	0.440	U	U	S23110217.D
Methyl-t-butyl ether	15,798	1.00	0.500 ^g	U	U	S23110217.D
1,1-Dichloroethane	15,798	1.00	0.850	195.15	14.5	S23110217.D
cis-1,2-Dichloroethene	15,798	1.00	0.530	36.05	4.31	S23110217.D
Chloroform	15,798	1.00	0.350 ^g	U	U	S23110217.D
1,2-Dichloroethane	15,798	1.00	0.560	U	U	S23110217.D
1,1,1-Trichloroethane	15,798	19.18	1.050	108.24	125	S23110305.D
Carbon Tetrachloride	15,798	1.00	0.430 ^g	U	U	S23110217.D
Benzene	15,798	1.00	0.530	U	U	S23110217.D
Trichloroethene	15,798	1.00	0.330	4266.96	818	S23110217.D
1,4-Dioxane	15,798	1.00	0.410 ^g	U	U	S23110217.D
1,1,2-Trichloroethane	15,798	1.00	0.330 ^g	U	U	S23110217.D
Toluene	15,798	1.00	0.400	U	U	S23110217.D
1,2-Dibromoethane (EDB)	15,798	1.00	0.390 ^g	U	U	S23110217.D
Tetrachloroethene	15,798	1.00	0.410	U	U	S23110217.D
1,1,1,2-Tetrachloroethane	15,798	1.00	0.410 ^g	U	U	S23110217.D
Chlorobenzene	15,798	1.00	0.850 ^g	U	U	S23110217.D
Ethylbenzene	15,798	1.00	0.850	U	U	S23110217.D
p & m-Xylene	15,798	1.00	0.880	U	U	S23110217.D
o-Xylene	15,798	1.00	0.880	U	U	S23110217.D
1,2,3-Trichloropropane	15,798	1.00	0.750 ^g	U	U	S23110217.D
Isopropylbenzene	15,798	1.00	0.830 ^g	U	U	S23110217.D
1,3,5-Trimethylbenzene	15,798	1.00	0.830 ^g	U	U	S23110217.D
1,2,4-Trimethylbenzene	15,798	1.00	0.830 ^g	U	U	S23110217.D
1,3-Dichlorobenzene	15,798	1.00	0.750 ^g	U	U	S23110217.D
1,4-Dichlorobenzene	15,798	1.00	0.750 ^g	U	U	S23110217.D
1,2-Dichlorobenzene	15,798	1.00	0.750 ^g	U	U	S23110217.D
1,2,4-Trichlorobenzene	15,798	1.00	0.390 ^g	U	U	S23110217.D
Naphthalene	15,798	1.00	0.800 ^g	U	U	S23110217.D
1,2,3-Trichlorobenzene	15,798	1.00	0.390 ^g	U	U	S23110217.D
2-Methylnaphthalene	15,798	1.00	0.760 ^g	U	U	S23110217.D
TPH C5-C8	15,798	1.00	0.590	U	U	S23110217.D
TPH C9-C15	15,798	1.00	0.690	U	U	S23110217.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-14

Sample Name: 09R_SG_14_20231027

Vinyl Chloride	15,796	1.00	0.810	U	U	S23110218.D
1,1-Dichloroethene	15,796	1.00	0.330	U	U	S23110218.D
Methylene Chloride	15,796	1.00	0.350 ^g	U	U	S23110218.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,796	1.00	0.890 ^g	U	U	S23110218.D
trans-1,2-Dichloroethene	15,796	1.00	0.440	U	U	S23110218.D
Methyl-t-butyl ether	15,796	1.00	0.500 ^g	U	U	S23110218.D
1,1-Dichloroethane	15,796	1.00	0.850	U	U	S23110218.D
cis-1,2-Dichloroethene	15,796	1.00	0.530	U	U	S23110218.D
Chloroform	15,796	1.00	0.350 ^g	U	U	S23110218.D
1,2-Dichloroethane	15,796	1.00	0.560	U	U	S23110218.D
1,1,1-Trichloroethane	15,796	1.00	1.050	U	U	S23110218.D
Carbon Tetrachloride	15,796	1.00	0.430 ^g	U	U	S23110218.D
Benzene	15,796	1.00	0.530	U	U	S23110218.D
Trichloroethene	15,796	1.00	0.330	U	U	S23110218.D
1,4-Dioxane	15,796	1.00	0.410 ^g	U	U	S23110218.D
1,1,2-Trichloroethane	15,796	1.00	0.330 ^g	U	U	S23110218.D
Toluene	15,796	1.00	0.400	U	U	S23110218.D
1,2-Dibromoethane (EDB)	15,796	1.00	0.390 ^g	U	U	S23110218.D
Tetrachloroethene	15,796	1.00	0.410	U	U	S23110218.D
1,1,1,2-Tetrachloroethane	15,796	1.00	0.410 ^g	U	U	S23110218.D
Chlorobenzene	15,796	1.00	0.850 ^g	U	U	S23110218.D
Ethylbenzene	15,796	1.00	0.850	U	U	S23110218.D
p & m-Xylene	15,796	1.00	0.880	U	U	S23110218.D
o-Xylene	15,796	1.00	0.880	U	U	S23110218.D
1,2,3-Trichloropropane	15,796	1.00	0.750 ^g	U	U	S23110218.D
Isopropylbenzene	15,796	1.00	0.830 ^g	U	U	S23110218.D
1,3,5-Trimethylbenzene	15,796	1.00	0.830 ^g	U	U	S23110218.D
1,2,4-Trimethylbenzene	15,796	1.00	0.830 ^g	U	U	S23110218.D
1,3-Dichlorobenzene	15,796	1.00	0.750 ^g	U	U	S23110218.D
1,4-Dichlorobenzene	15,796	1.00	0.750 ^g	U	U	S23110218.D
1,2-Dichlorobenzene	15,796	1.00	0.750 ^g	U	U	S23110218.D
1,2,4-Trichlorobenzene	15,796	1.00	0.390 ^g	U	U	S23110218.D
Naphthalene	15,796	1.00	0.800 ^g	U	U	S23110218.D
1,2,3-Trichlorobenzene	15,796	1.00	0.390 ^g	U	U	S23110218.D
2-Methylnaphthalene	15,796	1.00	0.760 ^g	U	U	S23110218.D
TPH C5-C8	15,796	1.00	0.590	U	U	S23110218.D
TPH C9-C15	15,796	1.00	0.690	U	U	S23110218.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-15 **Sample Name:** 09R_SG_15_20231027

Vinyl Chloride	15,801	1.00	0.810	U	U	S23110219.D
1,1-Dichloroethene	15,801	1.00	0.330	U	U	S23110219.D
Methylene Chloride	15,801	1.00	0.350 ^g	U	U	S23110219.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,801	1.00	0.890 ^g	U	U	S23110219.D
trans-1,2-Dichloroethene	15,801	1.00	0.440	U	U	S23110219.D
Methyl-t-butyl ether	15,801	1.00	0.500 ^g	U	U	S23110219.D
1,1-Dichloroethane	15,801	1.00	0.850	U	U	S23110219.D
cis-1,2-Dichloroethene	15,801	1.00	0.530	U	U	S23110219.D
Chloroform	15,801	1.00	0.350 ^g	U	U	S23110219.D
1,2-Dichloroethane	15,801	1.00	0.560	U	U	S23110219.D
1,1,1-Trichloroethane	15,801	1.00	1.050	U	U	S23110219.D
Carbon Tetrachloride	15,801	1.00	0.430 ^g	U	U	S23110219.D
Benzene	15,801	1.00	0.530	U	U	S23110219.D
Trichloroethene	15,801	1.00	0.330	U	U	S23110219.D
1,4-Dioxane	15,801	1.00	0.410 ^g	U	U	S23110219.D
1,1,2-Trichloroethane	15,801	1.00	0.330 ^g	U	U	S23110219.D
Toluene	15,801	1.00	0.400	U	U	S23110219.D
1,2-Dibromoethane (EDB)	15,801	1.00	0.390 ^g	U	U	S23110219.D
Tetrachloroethene	15,801	1.00	0.410	U	U	S23110219.D
1,1,1,2-Tetrachloroethane	15,801	1.00	0.410 ^g	U	U	S23110219.D
Chlorobenzene	15,801	1.00	0.850 ^g	U	U	S23110219.D
Ethylbenzene	15,801	1.00	0.850	187.87	14.0	S23110219.D
p & m-Xylene	15,801	1.00	0.880	767.50	55.2	S23110219.D
o-Xylene	15,801	1.00	0.880	272.99	19.6	S23110219.D
1,2,3-Trichloropropane	15,801	1.00	0.750 ^g	U	U	S23110219.D
Isopropylbenzene	15,801	1.00	0.830 ^g	U	U	S23110219.D
1,3,5-Trimethylbenzene	15,801	1.00	0.830 ^g	U	U	S23110219.D
1,2,4-Trimethylbenzene	15,801	1.00	0.830 ^g	U	U	S23110219.D
1,3-Dichlorobenzene	15,801	1.00	0.750 ^g	U	U	S23110219.D
1,4-Dichlorobenzene	15,801	1.00	0.750 ^g	U	U	S23110219.D
1,2-Dichlorobenzene	15,801	1.00	0.750 ^g	U	U	S23110219.D
1,2,4-Trichlorobenzene	15,801	1.00	0.390 ^g	U	U	S23110219.D
Naphthalene	15,801	1.00	0.800 ^g	U	U	S23110219.D
1,2,3-Trichlorobenzene	15,801	1.00	0.390 ^g	U	U	S23110219.D
2-Methylnaphthalene	15,801	1.00	0.760 ^g	U	U	S23110219.D
TPH C5-C8	15,801	1.00	0.590	U	U	S23110219.D
TPH C9-C15	15,801	1.00	0.690	U	U	S23110219.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-16 **Sample Name:** 09R_SG_16_20231027

Vinyl Chloride	15,799	1.00	0.810	U	U	S23110220.D
1,1-Dichloroethene	15,799	1.00	0.330	U	U	S23110220.D
Methylene Chloride	15,799	1.00	0.350 ^g	U	U	S23110220.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,799	1.00	0.890 ^g	U	U	S23110220.D
trans-1,2-Dichloroethene	15,799	1.00	0.440	U	U	S23110220.D
Methyl-t-butyl ether	15,799	1.00	0.500 ^g	U	U	S23110220.D
1,1-Dichloroethane	15,799	1.00	0.850	U	U	S23110220.D
cis-1,2-Dichloroethene	15,799	1.00	0.530	U	U	S23110220.D
Chloroform	15,799	1.00	0.350 ^g	U	U	S23110220.D
1,2-Dichloroethane	15,799	1.00	0.560	U	U	S23110220.D
1,1,1-Trichloroethane	15,799	1.00	1.050	U	U	S23110220.D
Carbon Tetrachloride	15,799	1.00	0.430 ^g	U	U	S23110220.D
Benzene	15,799	1.00	0.530	U	U	S23110220.D
Trichloroethene	15,799	1.00	0.330	U	U	S23110220.D
1,4-Dioxane	15,799	1.00	0.410 ^g	U	U	S23110220.D
1,1,2-Trichloroethane	15,799	1.00	0.330 ^g	U	U	S23110220.D
Toluene	15,799	1.00	0.400	U	U	S23110220.D
1,2-Dibromoethane (EDB)	15,799	1.00	0.390 ^g	U	U	S23110220.D
Tetrachloroethene	15,799	1.00	0.410	U	U	S23110220.D
1,1,1,2-Tetrachloroethane	15,799	1.00	0.410 ^g	U	U	S23110220.D
Chlorobenzene	15,799	1.00	0.850 ^g	U	U	S23110220.D
Ethylbenzene	15,799	1.00	0.850	U	U	S23110220.D
p & m-Xylene	15,799	1.00	0.880	48.23	3.47	S23110220.D
o-Xylene	15,799	1.00	0.880	U	U	S23110220.D
1,2,3-Trichloropropane	15,799	1.00	0.750 ^g	U	U	S23110220.D
Isopropylbenzene	15,799	1.00	0.830 ^g	U	U	S23110220.D
1,3,5-Trimethylbenzene	15,799	1.00	0.830 ^g	U	U	S23110220.D
1,2,4-Trimethylbenzene	15,799	1.00	0.830 ^g	U	U	S23110220.D
1,3-Dichlorobenzene	15,799	1.00	0.750 ^g	U	U	S23110220.D
1,4-Dichlorobenzene	15,799	1.00	0.750 ^g	U	U	S23110220.D
1,2-Dichlorobenzene	15,799	1.00	0.750 ^g	U	U	S23110220.D
1,2,4-Trichlorobenzene	15,799	1.00	0.390 ^g	U	U	S23110220.D
Naphthalene	15,799	1.00	0.800 ^g	U	U	S23110220.D
1,2,3-Trichlorobenzene	15,799	1.00	0.390 ^g	U	U	S23110220.D
2-Methylnaphthalene	15,799	1.00	0.760 ^g	U	U	S23110220.D
TPH C5-C8	15,799	1.00	0.590	U	U	S23110220.D
TPH C9-C15	15,799	1.00	0.690	U	U	S23110220.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-17 **Sample Name:** 09R_SG_17_20231027

Vinyl Chloride	15,795	1.00	0.810	U	U	S23110221.D
1,1-Dichloroethene	15,795	1.00	0.330	U	U	S23110221.D
Methylene Chloride	15,795	1.00	0.350 ^g	U	U	S23110221.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,795	1.00	0.890 ^g	U	U	S23110221.D
trans-1,2-Dichloroethene	15,795	1.00	0.440	U	U	S23110221.D
Methyl-t-butyl ether	15,795	1.00	0.500 ^g	U	U	S23110221.D
1,1-Dichloroethane	15,795	1.00	0.850	U	U	S23110221.D
cis-1,2-Dichloroethene	15,795	1.00	0.530	U	U	S23110221.D
Chloroform	15,795	1.00	0.350 ^g	U	U	S23110221.D
1,2-Dichloroethane	15,795	1.00	0.560	U	U	S23110221.D
1,1,1-Trichloroethane	15,795	1.00	1.050	U	U	S23110221.D
Carbon Tetrachloride	15,795	1.00	0.430 ^g	U	U	S23110221.D
Benzene	15,795	1.00	0.530	U	U	S23110221.D
Trichloroethene	15,795	1.00	0.330	U	U	S23110221.D
1,4-Dioxane	15,795	1.00	0.410 ^g	U	U	S23110221.D
1,1,2-Trichloroethane	15,795	1.00	0.330 ^g	U	U	S23110221.D
Toluene	15,795	1.00	0.400	U	U	S23110221.D
1,2-Dibromoethane (EDB)	15,795	1.00	0.390 ^g	U	U	S23110221.D
Tetrachloroethene	15,795	1.00	0.410	U	U	S23110221.D
1,1,1,2-Tetrachloroethane	15,795	1.00	0.410 ^g	U	U	S23110221.D
Chlorobenzene	15,795	1.00	0.850 ^g	U	U	S23110221.D
Ethylbenzene	15,795	1.00	0.850	60.86	4.53	S23110221.D
p & m-Xylene	15,795	1.00	0.880	299.61	21.6	S23110221.D
o-Xylene	15,795	1.00	0.880	100.52	7.23	S23110221.D
1,2,3-Trichloropropane	15,795	1.00	0.750 ^g	U	U	S23110221.D
Isopropylbenzene	15,795	1.00	0.830 ^g	U	U	S23110221.D
1,3,5-Trimethylbenzene	15,795	1.00	0.830 ^g	U	U	S23110221.D
1,2,4-Trimethylbenzene	15,795	1.00	0.830 ^g	U	U	S23110221.D
1,3-Dichlorobenzene	15,795	1.00	0.750 ^g	U	U	S23110221.D
1,4-Dichlorobenzene	15,795	1.00	0.750 ^g	U	U	S23110221.D
1,2-Dichlorobenzene	15,795	1.00	0.750 ^g	U	U	S23110221.D
1,2,4-Trichlorobenzene	15,795	1.00	0.390 ^g	U	U	S23110221.D
Naphthalene	15,795	1.00	0.800 ^g	U	U	S23110221.D
1,2,3-Trichlorobenzene	15,795	1.00	0.390 ^g	U	U	S23110221.D
2-Methylnaphthalene	15,795	1.00	0.760 ^g	U	U	S23110221.D
TPH C5-C8	15,795	1.00	0.590	U	U	S23110221.D
TPH C9-C15	15,795	1.00	0.690	U	U	S23110221.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-18 **Sample Name:** 09R_SG_18_20231027

Vinyl Chloride	15,790	1.00	0.810	U	U	S23110222.D
1,1-Dichloroethene	15,790	1.00	0.330	U	U	S23110222.D
Methylene Chloride	15,790	1.00	0.350 ^g	U	U	S23110222.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,790	1.00	0.890 ^g	U	U	S23110222.D
trans-1,2-Dichloroethene	15,790	1.00	0.440	U	U	S23110222.D
Methyl-t-butyl ether	15,790	1.00	0.500 ^g	U	U	S23110222.D
1,1-Dichloroethane	15,790	1.00	0.850	U	U	S23110222.D
cis-1,2-Dichloroethene	15,790	1.00	0.530	U	U	S23110222.D
Chloroform	15,790	1.00	0.350 ^g	U	U	S23110222.D
1,2-Dichloroethane	15,790	1.00	0.560	U	U	S23110222.D
1,1,1-Trichloroethane	15,790	1.00	1.050	U	U	S23110222.D
Carbon Tetrachloride	15,790	1.00	0.430 ^g	U	U	S23110222.D
Benzene	15,790	1.00	0.530	U	U	S23110222.D
Trichloroethene	15,790	1.00	0.330	U	U	S23110222.D
1,4-Dioxane	15,790	1.00	0.410 ^g	U	U	S23110222.D
1,1,2-Trichloroethane	15,790	1.00	0.330 ^g	U	U	S23110222.D
Toluene	15,790	1.00	0.400	U	U	S23110222.D
1,2-Dibromoethane (EDB)	15,790	1.00	0.390 ^g	U	U	S23110222.D
Tetrachloroethene	15,790	1.00	0.410	U	U	S23110222.D
1,1,1,2-Tetrachloroethane	15,790	1.00	0.410 ^g	U	U	S23110222.D
Chlorobenzene	15,790	1.00	0.850 ^g	U	U	S23110222.D
Ethylbenzene	15,790	1.00	0.850	U	U	S23110222.D
p & m-Xylene	15,790	1.00	0.880	U	U	S23110222.D
o-Xylene	15,790	1.00	0.880	U	U	S23110222.D
1,2,3-Trichloropropane	15,790	1.00	0.750 ^g	U	U	S23110222.D
Isopropylbenzene	15,790	1.00	0.830 ^g	U	U	S23110222.D
1,3,5-Trimethylbenzene	15,790	1.00	0.830 ^g	U	U	S23110222.D
1,2,4-Trimethylbenzene	15,790	1.00	0.830 ^g	U	U	S23110222.D
1,3-Dichlorobenzene	15,790	1.00	0.750 ^g	U	U	S23110222.D
1,4-Dichlorobenzene	15,790	1.00	0.750 ^g	U	U	S23110222.D
1,2-Dichlorobenzene	15,790	1.00	0.750 ^g	U	U	S23110222.D
1,2,4-Trichlorobenzene	15,790	1.00	0.390 ^g	U	U	S23110222.D
Naphthalene	15,790	1.00	0.800 ^g	U	U	S23110222.D
1,2,3-Trichlorobenzene	15,790	1.00	0.390 ^g	U	U	S23110222.D
2-Methylnaphthalene	15,790	1.00	0.760 ^g	U	U	S23110222.D
TPH C5-C8	15,790	1.00	0.590	U	U	S23110222.D
TPH C9-C15	15,790	1.00	0.690	U	U	S23110222.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-19 **Sample Name:** 09R_SG_19_20231027

Vinyl Chloride	15,789	1.00	0.810	U	U	S23110223.D
1,1-Dichloroethene	15,789	1.00	0.330	U	U	S23110223.D
Methylene Chloride	15,789	1.00	0.350 ^g	U	U	S23110223.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,789	1.00	0.890 ^g	U	U	S23110223.D
trans-1,2-Dichloroethene	15,789	1.00	0.440	U	U	S23110223.D
Methyl-t-butyl ether	15,789	1.00	0.500 ^g	U	U	S23110223.D
1,1-Dichloroethane	15,789	1.00	0.850	U	U	S23110223.D
cis-1,2-Dichloroethene	15,789	1.00	0.530	U	U	S23110223.D
Chloroform	15,789	1.00	0.350 ^g	U	U	S23110223.D
1,2-Dichloroethane	15,789	1.00	0.560	U	U	S23110223.D
1,1,1-Trichloroethane	15,789	1.00	1.050	U	U	S23110223.D
Carbon Tetrachloride	15,789	1.00	0.430 ^g	U	U	S23110223.D
Benzene	15,789	1.00	0.530	U	U	S23110223.D
Trichloroethene	15,789	1.00	0.330	U	U	S23110223.D
1,4-Dioxane	15,789	1.00	0.410 ^g	U	U	S23110223.D
1,1,2-Trichloroethane	15,789	1.00	0.330 ^g	U	U	S23110223.D
Toluene	15,789	1.00	0.400	U	U	S23110223.D
1,2-Dibromoethane (EDB)	15,789	1.00	0.390 ^g	U	U	S23110223.D
Tetrachloroethene	15,789	1.00	0.410	U	U	S23110223.D
1,1,1,2-Tetrachloroethane	15,789	1.00	0.410 ^g	U	U	S23110223.D
Chlorobenzene	15,789	1.00	0.850 ^g	U	U	S23110223.D
Ethylbenzene	15,789	1.00	0.850	U	U	S23110223.D
p & m-Xylene	15,789	1.00	0.880	95.23	6.85	S23110223.D
o-Xylene	15,789	1.00	0.880	27.44	1.97	S23110223.D
1,2,3-Trichloropropane	15,789	1.00	0.750 ^g	U	U	S23110223.D
Isopropylbenzene	15,789	1.00	0.830 ^g	U	U	S23110223.D
1,3,5-Trimethylbenzene	15,789	1.00	0.830 ^g	U	U	S23110223.D
1,2,4-Trimethylbenzene	15,789	1.00	0.830 ^g	U	U	S23110223.D
1,3-Dichlorobenzene	15,789	1.00	0.750 ^g	U	U	S23110223.D
1,4-Dichlorobenzene	15,789	1.00	0.750 ^g	U	U	S23110223.D
1,2-Dichlorobenzene	15,789	1.00	0.750 ^g	U	U	S23110223.D
1,2,4-Trichlorobenzene	15,789	1.00	0.390 ^g	U	U	S23110223.D
Naphthalene	15,789	1.00	0.800 ^g	U	U	S23110223.D
1,2,3-Trichlorobenzene	15,789	1.00	0.390 ^g	U	U	S23110223.D
2-Methylnaphthalene	15,789	1.00	0.760 ^g	U	U	S23110223.D
TPH C5-C8	15,789	1.00	0.590	U	U	S23110223.D
TPH C9-C15	15,789	1.00	0.690	U	U	S23110223.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-20 **Sample Name:** 09R_SG_20_20231027

Vinyl Chloride	15,781	1.00	0.810	U	U	S23110224.D
1,1-Dichloroethene	15,781	1.00	0.330	U	U	S23110224.D
Methylene Chloride	15,781	1.00	0.350 ^g	U	U	S23110224.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,781	1.00	0.890 ^g	U	U	S23110224.D
trans-1,2-Dichloroethene	15,781	1.00	0.440	U	U	S23110224.D
Methyl-t-butyl ether	15,781	1.00	0.500 ^g	U	U	S23110224.D
1,1-Dichloroethane	15,781	1.00	0.850	U	U	S23110224.D
cis-1,2-Dichloroethene	15,781	1.00	0.530	U	U	S23110224.D
Chloroform	15,781	1.00	0.350 ^g	U	U	S23110224.D
1,2-Dichloroethane	15,781	1.00	0.560	U	U	S23110224.D
1,1,1-Trichloroethane	15,781	1.00	1.050	U	U	S23110224.D
Carbon Tetrachloride	15,781	1.00	0.430 ^g	U	U	S23110224.D
Benzene	15,781	1.00	0.530	U	U	S23110224.D
Trichloroethene	15,781	1.00	0.330	U	U	S23110224.D
1,4-Dioxane	15,781	1.00	0.410 ^g	U	U	S23110224.D
1,1,2-Trichloroethane	15,781	1.00	0.330 ^g	U	U	S23110224.D
Toluene	15,781	1.00	0.400	U	U	S23110224.D
1,2-Dibromoethane (EDB)	15,781	1.00	0.390 ^g	U	U	S23110224.D
Tetrachloroethene	15,781	1.00	0.410	U	U	S23110224.D
1,1,1,2-Tetrachloroethane	15,781	1.00	0.410 ^g	U	U	S23110224.D
Chlorobenzene	15,781	1.00	0.850 ^g	U	U	S23110224.D
Ethylbenzene	15,781	1.00	0.850	U	U	S23110224.D
p & m-Xylene	15,781	1.00	0.880	80.83	5.82	S23110224.D
o-Xylene	15,781	1.00	0.880	U	U	S23110224.D
1,2,3-Trichloropropane	15,781	1.00	0.750 ^g	U	U	S23110224.D
Isopropylbenzene	15,781	1.00	0.830 ^g	U	U	S23110224.D
1,3,5-Trimethylbenzene	15,781	1.00	0.830 ^g	U	U	S23110224.D
1,2,4-Trimethylbenzene	15,781	1.00	0.830 ^g	U	U	S23110224.D
1,3-Dichlorobenzene	15,781	1.00	0.750 ^g	U	U	S23110224.D
1,4-Dichlorobenzene	15,781	1.00	0.750 ^g	U	U	S23110224.D
1,2-Dichlorobenzene	15,781	1.00	0.750 ^g	U	U	S23110224.D
1,2,4-Trichlorobenzene	15,781	1.00	0.390 ^g	U	U	S23110224.D
Naphthalene	15,781	1.00	0.800 ^g	U	U	S23110224.D
1,2,3-Trichlorobenzene	15,781	1.00	0.390 ^g	U	U	S23110224.D
2-Methylnaphthalene	15,781	1.00	0.760 ^g	U	U	S23110224.D
TPH C5-C8	15,781	1.00	0.590	U	U	S23110224.D
TPH C9-C15	15,781	1.00	0.690	U	U	S23110224.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-21 **Sample Name:** 09R_SG_21_20231027

Vinyl Chloride	15,780	1.00	0.810	U	U	S23110225.D
1,1-Dichloroethene	15,780	1.00	0.330	U	U	S23110225.D
Methylene Chloride	15,780	1.00	0.350 ^g	U	U	S23110225.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,780	1.00	0.890 ^g	U	U	S23110225.D
trans-1,2-Dichloroethene	15,780	1.00	0.440	U	U	S23110225.D
Methyl-t-butyl ether	15,780	1.00	0.500 ^g	U	U	S23110225.D
1,1-Dichloroethane	15,780	1.00	0.850	U	U	S23110225.D
cis-1,2-Dichloroethene	15,780	1.00	0.530	U	U	S23110225.D
Chloroform	15,780	1.00	0.350 ^g	U	U	S23110225.D
1,2-Dichloroethane	15,780	1.00	0.560	U	U	S23110225.D
1,1,1-Trichloroethane	15,780	1.00	1.050	U	U	S23110225.D
Carbon Tetrachloride	15,780	1.00	0.430 ^g	U	U	S23110225.D
Benzene	15,780	1.00	0.530	31.74	3.80	S23110225.D
Trichloroethene	15,780	1.00	0.330	U	U	S23110225.D
1,4-Dioxane	15,780	1.00	0.410 ^g	U	U	S23110225.D
1,1,2-Trichloroethane	15,780	1.00	0.330 ^g	U	U	S23110225.D
Toluene	15,780	1.00	0.400	U	U	S23110225.D
1,2-Dibromoethane (EDB)	15,780	1.00	0.390 ^g	U	U	S23110225.D
Tetrachloroethene	15,780	1.00	0.410	U	U	S23110225.D
1,1,1,2-Tetrachloroethane	15,780	1.00	0.410 ^g	U	U	S23110225.D
Chlorobenzene	15,780	1.00	0.850 ^g	U	U	S23110225.D
Ethylbenzene	15,780	1.00	0.850	U	U	S23110225.D
p & m-Xylene	15,780	1.00	0.880	U	U	S23110225.D
o-Xylene	15,780	1.00	0.880	U	U	S23110225.D
1,2,3-Trichloropropane	15,780	1.00	0.750 ^g	U	U	S23110225.D
Isopropylbenzene	15,780	1.00	0.830 ^g	U	U	S23110225.D
1,3,5-Trimethylbenzene	15,780	1.00	0.830 ^g	U	U	S23110225.D
1,2,4-Trimethylbenzene	15,780	1.00	0.830 ^g	U	U	S23110225.D
1,3-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110225.D
1,4-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110225.D
1,2-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110225.D
1,2,4-Trichlorobenzene	15,780	1.00	0.390 ^g	U	U	S23110225.D
Naphthalene	15,780	1.00	0.800 ^g	U	U	S23110225.D
1,2,3-Trichlorobenzene	15,780	1.00	0.390 ^g	U	U	S23110225.D
2-Methylnaphthalene	15,780	1.00	0.760 ^g	U	U	S23110225.D
TPH C5-C8	15,780	1.00	0.590	U	U	S23110225.D
TPH C9-C15	15,780	1.00	0.690	U	U	S23110225.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-22 **Sample Name:** 09R_SG_22_20231027

Vinyl Chloride	15,780	1.00	0.810	U	U	S23110226.D
1,1-Dichloroethene	15,780	1.00	0.330	U	U	S23110226.D
Methylene Chloride	15,780	1.00	0.350 ^g	U	U	S23110226.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,780	1.00	0.890 ^g	U	U	S23110226.D
trans-1,2-Dichloroethene	15,780	1.00	0.440	U	U	S23110226.D
Methyl-t-butyl ether	15,780	1.00	0.500 ^g	U	U	S23110226.D
1,1-Dichloroethane	15,780	1.00	0.850	U	U	S23110226.D
cis-1,2-Dichloroethene	15,780	1.00	0.530	U	U	S23110226.D
Chloroform	15,780	1.00	0.350 ^g	U	U	S23110226.D
1,2-Dichloroethane	15,780	1.00	0.560	U	U	S23110226.D
1,1,1-Trichloroethane	15,780	1.00	1.050	U	U	S23110226.D
Carbon Tetrachloride	15,780	1.00	0.430 ^g	U	U	S23110226.D
Benzene	15,780	1.00	0.530	45.26	5.41	S23110226.D
Trichloroethene	15,780	1.00	0.330	U	U	S23110226.D
1,4-Dioxane	15,780	1.00	0.410 ^g	U	U	S23110226.D
1,1,2-Trichloroethane	15,780	1.00	0.330 ^g	U	U	S23110226.D
Toluene	15,780	1.00	0.400	U	U	S23110226.D
1,2-Dibromoethane (EDB)	15,780	1.00	0.390 ^g	U	U	S23110226.D
Tetrachloroethene	15,780	1.00	0.410	U	U	S23110226.D
1,1,1,2-Tetrachloroethane	15,780	1.00	0.410 ^g	U	U	S23110226.D
Chlorobenzene	15,780	1.00	0.850 ^g	U	U	S23110226.D
Ethylbenzene	15,780	1.00	0.850	U	U	S23110226.D
p & m-Xylene	15,780	1.00	0.880	U	U	S23110226.D
o-Xylene	15,780	1.00	0.880	U	U	S23110226.D
1,2,3-Trichloropropane	15,780	1.00	0.750 ^g	U	U	S23110226.D
Isopropylbenzene	15,780	1.00	0.830 ^g	U	U	S23110226.D
1,3,5-Trimethylbenzene	15,780	1.00	0.830 ^g	U	U	S23110226.D
1,2,4-Trimethylbenzene	15,780	1.00	0.830 ^g	U	U	S23110226.D
1,3-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110226.D
1,4-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110226.D
1,2-Dichlorobenzene	15,780	1.00	0.750 ^g	U	U	S23110226.D
1,2,4-Trichlorobenzene	15,780	1.00	0.390 ^g	U	U	S23110226.D
Naphthalene	15,780	1.00	0.800 ^g	U	U	S23110226.D
1,2,3-Trichlorobenzene	15,780	1.00	0.390 ^g	U	U	S23110226.D
2-Methylnaphthalene	15,780	1.00	0.760 ^g	U	U	S23110226.D
TPH C5-C8	15,780	1.00	0.590	6466.14	695	S23110226.D
TPH C9-C15	15,780	1.00	0.690	U	U	S23110226.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-23

Sample Name: 09R_SG_23_20231027

Vinyl Chloride	15,777	1.00	0.810	U	U	S23110227.D
1,1-Dichloroethene	15,777	1.00	0.330	U	U	S23110227.D
Methylene Chloride	15,777	1.00	0.350 ^g	U	U	S23110227.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,777	1.00	0.890 ^g	U	U	S23110227.D
trans-1,2-Dichloroethene	15,777	1.00	0.440	U	U	S23110227.D
Methyl-t-butyl ether	15,777	1.00	0.500 ^g	U	U	S23110227.D
1,1-Dichloroethane	15,777	1.00	0.850	U	U	S23110227.D
cis-1,2-Dichloroethene	15,777	1.00	0.530	U	U	S23110227.D
Chloroform	15,777	1.00	0.350 ^g	U	U	S23110227.D
1,2-Dichloroethane	15,777	1.00	0.560	U	U	S23110227.D
1,1,1-Trichloroethane	15,777	1.00	1.050	U	U	S23110227.D
Carbon Tetrachloride	15,777	1.00	0.430 ^g	U	U	S23110227.D
Benzene	15,777	1.00	0.530	U	U	S23110227.D
Trichloroethene	15,777	1.00	0.330	U	U	S23110227.D
1,4-Dioxane	15,777	1.00	0.410 ^g	U	U	S23110227.D
1,1,2-Trichloroethane	15,777	1.00	0.330 ^g	U	U	S23110227.D
Toluene	15,777	1.00	0.400	U	U	S23110227.D
1,2-Dibromoethane (EDB)	15,777	1.00	0.390 ^g	U	U	S23110227.D
Tetrachloroethene	15,777	1.00	0.410	U	U	S23110227.D
1,1,1,2-Tetrachloroethane	15,777	1.00	0.410 ^g	U	U	S23110227.D
Chlorobenzene	15,777	1.00	0.850 ^g	U	U	S23110227.D
Ethylbenzene	15,777	1.00	0.850	U	U	S23110227.D
p & m-Xylene	15,777	1.00	0.880	U	U	S23110227.D
o-Xylene	15,777	1.00	0.880	U	U	S23110227.D
1,2,3-Trichloropropane	15,777	1.00	0.750 ^g	U	U	S23110227.D
Isopropylbenzene	15,777	1.00	0.830 ^g	U	U	S23110227.D
1,3,5-Trimethylbenzene	15,777	1.00	0.830 ^g	U	U	S23110227.D
1,2,4-Trimethylbenzene	15,777	1.00	0.830 ^g	U	U	S23110227.D
1,3-Dichlorobenzene	15,777	1.00	0.750 ^g	U	U	S23110227.D
1,4-Dichlorobenzene	15,777	1.00	0.750 ^g	U	U	S23110227.D
1,2-Dichlorobenzene	15,777	1.00	0.750 ^g	U	U	S23110227.D
1,2,4-Trichlorobenzene	15,777	1.00	0.390 ^g	U	U	S23110227.D
Naphthalene	15,777	1.00	0.800 ^g	U	U	S23110227.D
1,2,3-Trichlorobenzene	15,777	1.00	0.390 ^g	U	U	S23110227.D
2-Methylnaphthalene	15,777	1.00	0.760 ^g	U	U	S23110227.D
TPH C5-C8	15,777	1.00	0.590	U	U	S23110227.D
TPH C9-C15	15,777	1.00	0.690	U	U	S23110227.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-24 **Sample Name:** 09R_SG_24_20231027

Vinyl Chloride	15,776	1.00	0.810	U	U	S23110228.D
1,1-Dichloroethene	15,776	1.00	0.330	U	U	S23110228.D
Methylene Chloride	15,776	1.00	0.350 ^g	U	U	S23110228.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,776	1.00	0.890 ^g	U	U	S23110228.D
trans-1,2-Dichloroethene	15,776	1.00	0.440	U	U	S23110228.D
Methyl-t-butyl ether	15,776	1.00	0.500 ^g	U	U	S23110228.D
1,1-Dichloroethane	15,776	1.00	0.850	U	U	S23110228.D
cis-1,2-Dichloroethene	15,776	1.00	0.530	U	U	S23110228.D
Chloroform	15,776	1.00	0.350 ^g	U	U	S23110228.D
1,2-Dichloroethane	15,776	1.00	0.560	U	U	S23110228.D
1,1,1-Trichloroethane	15,776	1.00	1.050	U	U	S23110228.D
Carbon Tetrachloride	15,776	1.00	0.430 ^g	U	U	S23110228.D
Benzene	15,776	1.00	0.530	U	U	S23110228.D
Trichloroethene	15,776	1.00	0.330	U	U	S23110228.D
1,4-Dioxane	15,776	1.00	0.410 ^g	U	U	S23110228.D
1,1,2-Trichloroethane	15,776	1.00	0.330 ^g	U	U	S23110228.D
Toluene	15,776	1.00	0.400	260.56	41.3	S23110228.D
1,2-Dibromoethane (EDB)	15,776	1.00	0.390 ^g	U	U	S23110228.D
Tetrachloroethene	15,776	1.00	0.410	U	U	S23110228.D
1,1,1,2-Tetrachloroethane	15,776	1.00	0.410 ^g	U	U	S23110228.D
Chlorobenzene	15,776	1.00	0.850 ^g	U	U	S23110228.D
Ethylbenzene	15,776	1.00	0.850	U	U	S23110228.D
p & m-Xylene	15,776	1.00	0.880	U	U	S23110228.D
o-Xylene	15,776	1.00	0.880	U	U	S23110228.D
1,2,3-Trichloropropane	15,776	1.00	0.750 ^g	U	U	S23110228.D
Isopropylbenzene	15,776	1.00	0.830 ^g	U	U	S23110228.D
1,3,5-Trimethylbenzene	15,776	1.00	0.830 ^g	U	U	S23110228.D
1,2,4-Trimethylbenzene	15,776	1.00	0.830 ^g	U	U	S23110228.D
1,3-Dichlorobenzene	15,776	1.00	0.750 ^g	U	U	S23110228.D
1,4-Dichlorobenzene	15,776	1.00	0.750 ^g	U	U	S23110228.D
1,2-Dichlorobenzene	15,776	1.00	0.750 ^g	U	U	S23110228.D
1,2,4-Trichlorobenzene	15,776	1.00	0.390 ^g	U	U	S23110228.D
Naphthalene	15,776	1.00	0.800 ^g	U	U	S23110228.D
1,2,3-Trichlorobenzene	15,776	1.00	0.390 ^g	U	U	S23110228.D
2-Methylnaphthalene	15,776	1.00	0.760 ^g	U	U	S23110228.D
TPH C5-C8	15,776	1.00	0.590	U	U	S23110228.D
TPH C9-C15	15,776	1.00	0.690	U	U	S23110228.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-25 **Sample Name:** 09R_SG_25_20231027

Vinyl Chloride	15,774	1.00	0.810	U	U	S23110229.D
1,1-Dichloroethene	15,774	1.00	0.330	U	U	S23110229.D
Methylene Chloride	15,774	1.00	0.350 ^g	U	U	S23110229.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,774	1.00	0.890 ^g	U	U	S23110229.D
trans-1,2-Dichloroethene	15,774	1.00	0.440	U	U	S23110229.D
Methyl-t-butyl ether	15,774	1.00	0.500 ^g	U	U	S23110229.D
1,1-Dichloroethane	15,774	1.00	0.850	U	U	S23110229.D
cis-1,2-Dichloroethene	15,774	1.00	0.530	U	U	S23110229.D
Chloroform	15,774	1.00	0.350 ^g	U	U	S23110229.D
1,2-Dichloroethane	15,774	1.00	0.560	U	U	S23110229.D
1,1,1-Trichloroethane	15,774	1.00	1.050	U	U	S23110229.D
Carbon Tetrachloride	15,774	1.00	0.430 ^g	U	U	S23110229.D
Benzene	15,774	1.00	0.530	U	U	S23110229.D
Trichloroethene	15,774	1.00	0.330	U	U	S23110229.D
1,4-Dioxane	15,774	1.00	0.410 ^g	U	U	S23110229.D
1,1,2-Trichloroethane	15,774	1.00	0.330 ^g	U	U	S23110229.D
Toluene	15,774	1.00	0.400	U	U	S23110229.D
1,2-Dibromoethane (EDB)	15,774	1.00	0.390 ^g	U	U	S23110229.D
Tetrachloroethene	15,774	1.00	0.410	U	U	S23110229.D
1,1,1,2-Tetrachloroethane	15,774	1.00	0.410 ^g	U	U	S23110229.D
Chlorobenzene	15,774	1.00	0.850 ^g	U	U	S23110229.D
Ethylbenzene	15,774	1.00	0.850	41.21	3.07	S23110229.D
p & m-Xylene	15,774	1.00	0.880	106.81	7.69	S23110229.D
o-Xylene	15,774	1.00	0.880	33.95	2.45	S23110229.D
1,2,3-Trichloropropane	15,774	1.00	0.750 ^g	U	U	S23110229.D
Isopropylbenzene	15,774	1.00	0.830 ^g	U	U	S23110229.D
1,3,5-Trimethylbenzene	15,774	1.00	0.830 ^g	U	U	S23110229.D
1,2,4-Trimethylbenzene	15,774	1.00	0.830 ^g	U	U	S23110229.D
1,3-Dichlorobenzene	15,774	1.00	0.750 ^g	U	U	S23110229.D
1,4-Dichlorobenzene	15,774	1.00	0.750 ^g	U	U	S23110229.D
1,2-Dichlorobenzene	15,774	1.00	0.750 ^g	U	U	S23110229.D
1,2,4-Trichlorobenzene	15,774	1.00	0.390 ^g	U	U	S23110229.D
Naphthalene	15,774	1.00	0.800 ^g	U	U	S23110229.D
1,2,3-Trichlorobenzene	15,774	1.00	0.390 ^g	U	U	S23110229.D
2-Methylnaphthalene	15,774	1.00	0.760 ^g	U	U	S23110229.D
TPH C5-C8	15,774	1.00	0.590	U	U	S23110229.D
TPH C9-C15	15,774	1.00	0.690	U	U	S23110229.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-26 **Sample Name:** 09R_SG_26_20231027

Vinyl Chloride	15,772	1.00	0.810	U	U	S23110230.D
1,1-Dichloroethene	15,772	1.00	0.330	U	U	S23110230.D
Methylene Chloride	15,772	1.00	0.350 ^g	U	U	S23110230.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,772	1.00	0.890 ^g	U	U	S23110230.D
trans-1,2-Dichloroethene	15,772	1.00	0.440	U	U	S23110230.D
Methyl-t-butyl ether	15,772	1.00	0.500 ^g	U	U	S23110230.D
1,1-Dichloroethane	15,772	1.00	0.850	U	U	S23110230.D
cis-1,2-Dichloroethene	15,772	1.00	0.530	U	U	S23110230.D
Chloroform	15,772	1.00	0.350 ^g	U	U	S23110230.D
1,2-Dichloroethane	15,772	1.00	0.560	U	U	S23110230.D
1,1,1-Trichloroethane	15,772	1.00	1.050	U	U	S23110230.D
Carbon Tetrachloride	15,772	1.00	0.430 ^g	U	U	S23110230.D
Benzene	15,772	1.00	0.530	U	U	S23110230.D
Trichloroethene	15,772	1.00	0.330	U	U	S23110230.D
1,4-Dioxane	15,772	1.00	0.410 ^g	U	U	S23110230.D
1,1,2-Trichloroethane	15,772	1.00	0.330 ^g	U	U	S23110230.D
Toluene	15,772	1.00	0.400	U	U	S23110230.D
1,2-Dibromoethane (EDB)	15,772	1.00	0.390 ^g	U	U	S23110230.D
Tetrachloroethene	15,772	1.00	0.410	U	U	S23110230.D
1,1,1,2-Tetrachloroethane	15,772	1.00	0.410 ^g	U	U	S23110230.D
Chlorobenzene	15,772	1.00	0.850 ^g	U	U	S23110230.D
Ethylbenzene	15,772	1.00	0.850	U	U	S23110230.D
p & m-Xylene	15,772	1.00	0.880	71.59	5.16	S23110230.D
o-Xylene	15,772	1.00	0.880	U	U	S23110230.D
1,2,3-Trichloropropane	15,772	1.00	0.750 ^g	U	U	S23110230.D
Isopropylbenzene	15,772	1.00	0.830 ^g	U	U	S23110230.D
1,3,5-Trimethylbenzene	15,772	1.00	0.830 ^g	U	U	S23110230.D
1,2,4-Trimethylbenzene	15,772	1.00	0.830 ^g	U	U	S23110230.D
1,3-Dichlorobenzene	15,772	1.00	0.750 ^g	U	U	S23110230.D
1,4-Dichlorobenzene	15,772	1.00	0.750 ^g	U	U	S23110230.D
1,2-Dichlorobenzene	15,772	1.00	0.750 ^g	U	U	S23110230.D
1,2,4-Trichlorobenzene	15,772	1.00	0.390 ^g	U	U	S23110230.D
Naphthalene	15,772	1.00	0.800 ^g	U	U	S23110230.D
1,2,3-Trichlorobenzene	15,772	1.00	0.390 ^g	U	U	S23110230.D
2-Methylnaphthalene	15,772	1.00	0.760 ^g	U	U	S23110230.D
TPH C5-C8	15,772	1.00	0.590	U	U	S23110230.D
TPH C9-C15	15,772	1.00	0.690	U	U	S23110230.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-27 **Sample Name:** 09R_SG_27_20231027

Vinyl Chloride	15,767	1.00	0.810	U	U	S23110231.D
1,1-Dichloroethene	15,767	1.00	0.330	U	U	S23110231.D
Methylene Chloride	15,767	1.00	0.350 ^g	U	U	S23110231.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,767	1.00	0.890 ^g	U	U	S23110231.D
trans-1,2-Dichloroethene	15,767	1.00	0.440	U	U	S23110231.D
Methyl-t-butyl ether	15,767	1.00	0.500 ^g	U	U	S23110231.D
1,1-Dichloroethane	15,767	1.00	0.850	U	U	S23110231.D
cis-1,2-Dichloroethene	15,767	1.00	0.530	U	U	S23110231.D
Chloroform	15,767	1.00	0.350 ^g	U	U	S23110231.D
1,2-Dichloroethane	15,767	1.00	0.560	U	U	S23110231.D
1,1,1-Trichloroethane	15,767	1.00	1.050	U	U	S23110231.D
Carbon Tetrachloride	15,767	1.00	0.430 ^g	U	U	S23110231.D
Benzene	15,767	1.00	0.530	U	U	S23110231.D
Trichloroethene	15,767	1.00	0.330	U	U	S23110231.D
1,4-Dioxane	15,767	1.00	0.410 ^g	U	U	S23110231.D
1,1,2-Trichloroethane	15,767	1.00	0.330 ^g	U	U	S23110231.D
Toluene	15,767	1.00	0.400	U	U	S23110231.D
1,2-Dibromoethane (EDB)	15,767	1.00	0.390 ^g	U	U	S23110231.D
Tetrachloroethene	15,767	1.00	0.410	U	U	S23110231.D
1,1,1,2-Tetrachloroethane	15,767	1.00	0.410 ^g	U	U	S23110231.D
Chlorobenzene	15,767	1.00	0.850 ^g	U	U	S23110231.D
Ethylbenzene	15,767	1.00	0.850	U	U	S23110231.D
p & m-Xylene	15,767	1.00	0.880	U	U	S23110231.D
o-Xylene	15,767	1.00	0.880	U	U	S23110231.D
1,2,3-Trichloropropane	15,767	1.00	0.750 ^g	U	U	S23110231.D
Isopropylbenzene	15,767	1.00	0.830 ^g	U	U	S23110231.D
1,3,5-Trimethylbenzene	15,767	1.00	0.830 ^g	U	U	S23110231.D
1,2,4-Trimethylbenzene	15,767	1.00	0.830 ^g	U	U	S23110231.D
1,3-Dichlorobenzene	15,767	1.00	0.750 ^g	U	U	S23110231.D
1,4-Dichlorobenzene	15,767	1.00	0.750 ^g	U	U	S23110231.D
1,2-Dichlorobenzene	15,767	1.00	0.750 ^g	U	U	S23110231.D
1,2,4-Trichlorobenzene	15,767	1.00	0.390 ^g	U	U	S23110231.D
Naphthalene	15,767	1.00	0.800 ^g	U	U	S23110231.D
1,2,3-Trichlorobenzene	15,767	1.00	0.390 ^g	U	U	S23110231.D
2-Methylnaphthalene	15,767	1.00	0.760 ^g	U	U	S23110231.D
TPH C5-C8	15,767	1.00	0.590	U	U	S23110231.D
TPH C9-C15	15,767	1.00	0.690	U	U	S23110231.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-28 **Sample Name:** 09R_SG_28_20231027

Vinyl Chloride	15,758	1.00	0.810	U	U	S23110232.D
1,1-Dichloroethene	15,758	1.00	0.330	U	U	S23110232.D
Methylene Chloride	15,758	1.00	0.350 ^g	U	U	S23110232.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,758	1.00	0.890 ^g	U	U	S23110232.D
trans-1,2-Dichloroethene	15,758	1.00	0.440	U	U	S23110232.D
Methyl-t-butyl ether	15,758	1.00	0.500 ^g	U	U	S23110232.D
1,1-Dichloroethane	15,758	1.00	0.850	U	U	S23110232.D
cis-1,2-Dichloroethene	15,758	1.00	0.530	U	U	S23110232.D
Chloroform	15,758	1.00	0.350 ^g	U	U	S23110232.D
1,2-Dichloroethane	15,758	1.00	0.560	U	U	S23110232.D
1,1,1-Trichloroethane	15,758	1.00	1.050	U	U	S23110232.D
Carbon Tetrachloride	15,758	1.00	0.430 ^g	U	U	S23110232.D
Benzene	15,758	1.00	0.530	U	U	S23110232.D
Trichloroethene	15,758	1.00	0.330	U	U	S23110232.D
1,4-Dioxane	15,758	1.00	0.410 ^g	U	U	S23110232.D
1,1,2-Trichloroethane	15,758	1.00	0.330 ^g	U	U	S23110232.D
Toluene	15,758	1.00	0.400	U	U	S23110232.D
1,2-Dibromoethane (EDB)	15,758	1.00	0.390 ^g	U	U	S23110232.D
Tetrachloroethene	15,758	1.00	0.410	U	U	S23110232.D
1,1,1,2-Tetrachloroethane	15,758	1.00	0.410 ^g	U	U	S23110232.D
Chlorobenzene	15,758	1.00	0.850 ^g	U	U	S23110232.D
Ethylbenzene	15,758	1.00	0.850	46.02	3.44	S23110232.D
p & m-Xylene	15,758	1.00	0.880	210.38	15.2	S23110232.D
o-Xylene	15,758	1.00	0.880	65.68	4.74	S23110232.D
1,2,3-Trichloropropane	15,758	1.00	0.750 ^g	U	U	S23110232.D
Isopropylbenzene	15,758	1.00	0.830 ^g	U	U	S23110232.D
1,3,5-Trimethylbenzene	15,758	1.00	0.830 ^g	U	U	S23110232.D
1,2,4-Trimethylbenzene	15,758	1.00	0.830 ^g	U	U	S23110232.D
1,3-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110232.D
1,4-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110232.D
1,2-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110232.D
1,2,4-Trichlorobenzene	15,758	1.00	0.390 ^g	U	U	S23110232.D
Naphthalene	15,758	1.00	0.800 ^g	U	U	S23110232.D
1,2,3-Trichlorobenzene	15,758	1.00	0.390 ^g	U	U	S23110232.D
2-Methylnaphthalene	15,758	1.00	0.760 ^g	U	U	S23110232.D
TPH C5-C8	15,758	1.00	0.590	U	U	S23110232.D
TPH C9-C15	15,758	1.00	0.690	U	U	S23110232.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-29 **Sample Name:** 09R_SG_29_20231027

Vinyl Chloride	15,759	1.00	0.810	U	U	S23110233.D
1,1-Dichloroethene	15,759	1.00	0.330	U	U	S23110233.D
Methylene Chloride	15,759	1.00	0.350 ^g	U	U	S23110233.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,759	1.00	0.890 ^g	U	U	S23110233.D
trans-1,2-Dichloroethene	15,759	1.00	0.440	U	U	S23110233.D
Methyl-t-butyl ether	15,759	1.00	0.500 ^g	U	U	S23110233.D
1,1-Dichloroethane	15,759	1.00	0.850	U	U	S23110233.D
cis-1,2-Dichloroethene	15,759	1.00	0.530	U	U	S23110233.D
Chloroform	15,759	1.00	0.350 ^g	U	U	S23110233.D
1,2-Dichloroethane	15,759	1.00	0.560	U	U	S23110233.D
1,1,1-Trichloroethane	15,759	1.00	1.050	U	U	S23110233.D
Carbon Tetrachloride	15,759	1.00	0.430 ^g	U	U	S23110233.D
Benzene	15,759	1.00	0.530	U	U	S23110233.D
Trichloroethene	15,759	1.00	0.330	U	U	S23110233.D
1,4-Dioxane	15,759	1.00	0.410 ^g	U	U	S23110233.D
1,1,2-Trichloroethane	15,759	1.00	0.330 ^g	U	U	S23110233.D
Toluene	15,759	1.00	0.400	U	U	S23110233.D
1,2-Dibromoethane (EDB)	15,759	1.00	0.390 ^g	U	U	S23110233.D
Tetrachloroethene	15,759	1.00	0.410	U	U	S23110233.D
1,1,1,2-Tetrachloroethane	15,759	1.00	0.410 ^g	U	U	S23110233.D
Chlorobenzene	15,759	1.00	0.850 ^g	U	U	S23110233.D
Ethylbenzene	15,759	1.00	0.850	U	U	S23110233.D
p & m-Xylene	15,759	1.00	0.880	U	U	S23110233.D
o-Xylene	15,759	1.00	0.880	U	U	S23110233.D
1,2,3-Trichloropropane	15,759	1.00	0.750 ^g	U	U	S23110233.D
Isopropylbenzene	15,759	1.00	0.830 ^g	U	U	S23110233.D
1,3,5-Trimethylbenzene	15,759	1.00	0.830 ^g	U	U	S23110233.D
1,2,4-Trimethylbenzene	15,759	1.00	0.830 ^g	U	U	S23110233.D
1,3-Dichlorobenzene	15,759	1.00	0.750 ^g	U	U	S23110233.D
1,4-Dichlorobenzene	15,759	1.00	0.750 ^g	U	U	S23110233.D
1,2-Dichlorobenzene	15,759	1.00	0.750 ^g	U	U	S23110233.D
1,2,4-Trichlorobenzene	15,759	1.00	0.390 ^g	U	U	S23110233.D
Naphthalene	15,759	1.00	0.800 ^g	U	U	S23110233.D
1,2,3-Trichlorobenzene	15,759	1.00	0.390 ^g	U	U	S23110233.D
2-Methylnaphthalene	15,759	1.00	0.760 ^g	U	U	S23110233.D
TPH C5-C8	15,759	1.00	0.590	U	U	S23110233.D
TPH C9-C15	15,759	1.00	0.690	U	U	S23110233.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007274-30 **Sample Name:** 09R_SG_30_20231027

Vinyl Chloride	15,758	1.00	0.810	U	U	S23110234.D
1,1-Dichloroethene	15,758	1.00	0.330	U	U	S23110234.D
Methylene Chloride	15,758	1.00	0.350 ^g	U	U	S23110234.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,758	1.00	0.890 ^g	U	U	S23110234.D
trans-1,2-Dichloroethene	15,758	1.00	0.440	U	U	S23110234.D
Methyl-t-butyl ether	15,758	1.00	0.500 ^g	U	U	S23110234.D
1,1-Dichloroethane	15,758	1.00	0.850	U	U	S23110234.D
cis-1,2-Dichloroethene	15,758	1.00	0.530	U	U	S23110234.D
Chloroform	15,758	1.00	0.350 ^g	U	U	S23110234.D
1,2-Dichloroethane	15,758	1.00	0.560	U	U	S23110234.D
1,1,1-Trichloroethane	15,758	1.00	1.050	U	U	S23110234.D
Carbon Tetrachloride	15,758	1.00	0.430 ^g	U	U	S23110234.D
Benzene	15,758	1.00	0.530	U	U	S23110234.D
Trichloroethene	15,758	1.00	0.330	U	U	S23110234.D
1,4-Dioxane	15,758	1.00	0.410 ^g	U	U	S23110234.D
1,1,2-Trichloroethane	15,758	1.00	0.330 ^g	U	U	S23110234.D
Toluene	15,758	1.00	0.400	U	U	S23110234.D
1,2-Dibromoethane (EDB)	15,758	1.00	0.390 ^g	U	U	S23110234.D
Tetrachloroethene	15,758	1.00	0.410	U	U	S23110234.D
1,1,1,2-Tetrachloroethane	15,758	1.00	0.410 ^g	U	U	S23110234.D
Chlorobenzene	15,758	1.00	0.850 ^g	U	U	S23110234.D
Ethylbenzene	15,758	1.00	0.850	53.77	4.01	S23110234.D
p & m-Xylene	15,758	1.00	0.880	272.00	19.6	S23110234.D
o-Xylene	15,758	1.00	0.880	88.06	6.35	S23110234.D
1,2,3-Trichloropropane	15,758	1.00	0.750 ^g	U	U	S23110234.D
Isopropylbenzene	15,758	1.00	0.830 ^g	U	U	S23110234.D
1,3,5-Trimethylbenzene	15,758	1.00	0.830 ^g	U	U	S23110234.D
1,2,4-Trimethylbenzene	15,758	1.00	0.830 ^g	U	U	S23110234.D
1,3-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110234.D
1,4-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110234.D
1,2-Dichlorobenzene	15,758	1.00	0.750 ^g	U	U	S23110234.D
1,2,4-Trichlorobenzene	15,758	1.00	0.390 ^g	U	U	S23110234.D
Naphthalene	15,758	1.00	0.800 ^g	U	U	S23110234.D
1,2,3-Trichlorobenzene	15,758	1.00	0.390 ^g	U	U	S23110234.D
2-Methylnaphthalene	15,758	1.00	0.760 ^g	U	U	S23110234.D
TPH C5-C8	15,758	1.00	0.590	U	U	S23110234.D
TPH C9-C15	15,758	1.00	0.690	U	U	S23110234.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

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: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-01 **Sample Name:** 09R_SG_01_20231027

Vinyl Chloride	15,815	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,815	1.00	0.330	10.0	1.92
Methylene Chloride	15,815	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,815	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,815	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,815	1.00	0.530	10.0	1.19
Chloroform	15,815	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,815	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,815	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,815	1.00	0.430 ^g	10.0	1.47
Benzene	15,815	1.00	0.530	25.0	2.98
Trichloroethene	15,815	1.00	0.330	10.0	1.92
1,4-Dioxane	15,815	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	10.0	1.92
Toluene	15,815	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,815	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,815	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,815	1.00	0.850	25.0	1.86
p & m-Xylene	15,815	1.00	0.880	25.0	1.80
o-Xylene	15,815	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,815	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,815	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,815	1.00	0.590	5,000.0	536
TPH C9-C15	15,815	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-02

Sample Name: 09R_SG_02_20231027

Vinyl Chloride	15,811	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,811	1.00	0.330	10.0	1.92
Methylene Chloride	15,811	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,811	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,811	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,811	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,811	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,811	1.00	0.530	10.0	1.19
Chloroform	15,811	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,811	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,811	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,811	1.00	0.430 ^g	10.0	1.47
Benzene	15,811	1.00	0.530	25.0	2.98
Trichloroethene	15,811	1.00	0.330	10.0	1.92
1,4-Dioxane	15,811	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,811	1.00	0.330 ^g	10.0	1.92
Toluene	15,811	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,811	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,811	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,811	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,811	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,811	1.00	0.850	25.0	1.86
p & m-Xylene	15,811	1.00	0.880	25.0	1.80
o-Xylene	15,811	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,811	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,811	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,811	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,811	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,811	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,811	1.00	0.590	5,000.0	536
TPH C9-C15	15,811	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-03

Sample Name: 09R_SG_03_20231027

Vinyl Chloride	15,815	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,815	1.00	0.330	10.0	1.92
Methylene Chloride	15,815	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,815	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,815	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,815	1.00	0.530	10.0	1.19
Chloroform	15,815	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,815	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,815	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,815	1.00	0.430 ^g	10.0	1.47
Benzene	15,815	1.00	0.530	25.0	2.98
Trichloroethene	15,815	1.00	0.330	10.0	1.92
1,4-Dioxane	15,815	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	10.0	1.92
Toluene	15,815	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,815	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,815	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,815	1.00	0.850	25.0	1.86
p & m-Xylene	15,815	1.00	0.880	25.0	1.80
o-Xylene	15,815	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,815	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,815	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,815	1.00	0.590	5,000.0	536
TPH C9-C15	15,815	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-04

Sample Name: 09R_SG_04_20231027

Vinyl Chloride	15,817	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,817	1.00	0.330	10.0	1.92
Methylene Chloride	15,817	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,817	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,817	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,817	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,817	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,817	1.00	0.530	10.0	1.19
Chloroform	15,817	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,817	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,817	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,817	1.00	0.430 ^g	10.0	1.47
Benzene	15,817	1.00	0.530	25.0	2.98
Trichloroethene	15,817	1.00	0.330	10.0	1.92
1,4-Dioxane	15,817	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,817	1.00	0.330 ^g	10.0	1.92
Toluene	15,817	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,817	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,817	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,817	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,817	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,817	1.00	0.850	25.0	1.86
p & m-Xylene	15,817	1.00	0.880	25.0	1.80
o-Xylene	15,817	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,817	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,817	1.00	0.830 ^g	25.0	1.90
1,3,5-Trimethylbenzene	15,817	1.00	0.830 ^g	25.0	1.90
1,2,4-Trimethylbenzene	15,817	1.00	0.830 ^g	25.0	1.90
1,3-Dichlorobenzene	15,817	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,817	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,817	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,817	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,817	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,817	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,817	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,817	1.00	0.590	5,000.0	536
TPH C9-C15	15,817	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-06

Sample Name: 09R_SG_06_20231027

Vinyl Chloride	15,815	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,815	1.00	0.330	10.0	1.92
Methylene Chloride	15,815	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,815	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,815	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,815	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,815	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,815	1.00	0.530	10.0	1.19
Chloroform	15,815	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,815	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,815	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,815	1.00	0.430 ^g	10.0	1.47
Benzene	15,815	1.00	0.530	25.0	2.98
Trichloroethene	15,815	1.00	0.330	10.0	1.92
1,4-Dioxane	15,815	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,815	1.00	0.330 ^g	10.0	1.92
Toluene	15,815	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,815	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,815	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,815	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,815	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,815	1.00	0.850	25.0	1.86
p & m-Xylene	15,815	1.00	0.880	25.0	1.80
o-Xylene	15,815	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,815	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3,5-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,2,4-Trimethylbenzene	15,815	1.00	0.830 ^g	25.0	1.90
1,3-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,815	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,815	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,815	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,815	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,815	1.00	0.590	5,000.0	536
TPH C9-C15	15,815	1.00	0.690	5,000.0	458

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

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

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-07

Sample Name: 09R_SG_07_20231027

Vinyl Chloride	15,811	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,811	1.00	0.330	10.0	1.92
Methylene Chloride	15,811	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,811	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,811	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,811	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,811	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,811	1.00	0.530	10.0	1.19
Chloroform	15,811	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,811	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,811	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,811	1.00	0.430 ^g	10.0	1.47
Benzene	15,811	1.00	0.530	25.0	2.98
Trichloroethene	15,811	1.00	0.330	10.0	1.92
1,4-Dioxane	15,811	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,811	1.00	0.330 ^g	10.0	1.92
Toluene	15,811	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,811	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,811	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,811	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,811	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,811	1.00	0.850	25.0	1.86
p & m-Xylene	15,811	1.00	0.880	25.0	1.80
o-Xylene	15,811	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,811	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,811	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,811	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,811	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,811	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,811	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,811	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,811	1.00	0.590	5,000.0	536
TPH C9-C15	15,811	1.00	0.690	5,000.0	458

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

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

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-08

Sample Name: 09R_SG_08_20231027

Vinyl Chloride	15,809	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,809	1.00	0.330	10.0	1.92
Methylene Chloride	15,809	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,809	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,809	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,809	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,809	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,809	1.00	0.530	10.0	1.19
Chloroform	15,809	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,809	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,809	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,809	1.00	0.430 ^g	10.0	1.47
Benzene	15,809	1.00	0.530	25.0	2.98
Trichloroethene	15,809	1.00	0.330	10.0	1.92
1,4-Dioxane	15,809	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,809	1.00	0.330 ^g	10.0	1.92
Toluene	15,809	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,809	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,809	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,809	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,809	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,809	1.00	0.850	25.0	1.86
p & m-Xylene	15,809	1.00	0.880	25.0	1.80
o-Xylene	15,809	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,809	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,809	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,809	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,809	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,809	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,809	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,809	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,809	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,809	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,809	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,809	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,809	1.00	0.590	5,000.0	536
TPH C9-C15	15,809	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-09

Sample Name: 09R_SG_09_20231027

Vinyl Chloride	15,806	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,806	1.00	0.330	10.0	1.92
Methylene Chloride	15,806	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,806	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,806	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,806	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,806	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,806	1.00	0.530	10.0	1.19
Chloroform	15,806	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,806	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,806	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,806	1.00	0.430 ^g	10.0	1.47
Benzene	15,806	1.00	0.530	25.0	2.98
Trichloroethene	15,806	1.00	0.330	10.0	1.92
1,4-Dioxane	15,806	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,806	1.00	0.330 ^g	10.0	1.92
Toluene	15,806	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,806	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,806	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,806	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,806	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,806	1.00	0.850	25.0	1.86
p & m-Xylene	15,806	1.00	0.880	25.0	1.80
o-Xylene	15,806	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,806	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,806	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,806	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,806	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,806	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,806	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,806	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,806	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,806	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,806	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,806	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,806	1.00	0.590	5,000.0	536
TPH C9-C15	15,806	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-10 **Sample Name:** 09R_SG_10_20231027

Vinyl Chloride	15,803	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,803	1.00	0.330	10.0	1.92
Methylene Chloride	15,803	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,803	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,803	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,803	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,803	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,803	1.00	0.530	10.0	1.19
Chloroform	15,803	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,803	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,803	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,803	1.00	0.430 ^g	10.0	1.47
Benzene	15,803	1.00	0.530	25.0	2.98
Trichloroethene	15,803	1.00	0.330	10.0	1.92
1,4-Dioxane	15,803	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,803	1.00	0.330 ^g	10.0	1.92
Toluene	15,803	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,803	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,803	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,803	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,803	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,803	1.00	0.850	25.0	1.86
p & m-Xylene	15,803	1.00	0.880	25.0	1.80
o-Xylene	15,803	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,803	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,803	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,803	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,803	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,803	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,803	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,803	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,803	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,803	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,803	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,803	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,803	1.00	0.590	5,000.0	536
TPH C9-C15	15,803	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-11

Sample Name: 09R_SG_11_20231027

Vinyl Chloride	15,805	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,805	1.00	0.330	10.0	1.92
Methylene Chloride	15,805	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,805	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,805	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,805	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,805	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,805	1.00	0.530	10.0	1.19
Chloroform	15,805	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,805	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,805	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,805	1.00	0.430 ^g	10.0	1.47
Benzene	15,805	1.00	0.530	25.0	2.98
Trichloroethene	15,805	1.00	0.330	10.0	1.92
1,4-Dioxane	15,805	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,805	1.00	0.330 ^g	10.0	1.92
Toluene	15,805	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,805	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,805	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,805	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,805	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,805	1.00	0.850	25.0	1.86
p & m-Xylene	15,805	1.00	0.880	25.0	1.80
o-Xylene	15,805	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,805	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,805	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,805	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,805	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,805	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,805	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,805	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,805	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,805	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,805	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,805	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,805	1.00	0.590	5,000.0	536
TPH C9-C15	15,805	1.00	0.690	5,000.0	458

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-12

Sample Name: 09R_SG_12_20231027

Vinyl Chloride	15,804	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,804	1.00	0.330	10.0	1.92
Methylene Chloride	15,804	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,804	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,804	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,804	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,804	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,804	1.00	0.530	10.0	1.19
Chloroform	15,804	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,804	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,804	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,804	1.00	0.430 ^g	10.0	1.47
Benzene	15,804	1.00	0.530	25.0	2.98
Trichloroethene	15,804	1.00	0.330	10.0	1.92
1,4-Dioxane	15,804	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,804	1.00	0.330 ^g	10.0	1.92
Toluene	15,804	1.00	0.400	25.0	3.95
1,2-Dibromoethane (EDB)	15,804	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,804	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,804	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,804	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,804	1.00	0.850	25.0	1.86
p & m-Xylene	15,804	1.00	0.880	25.0	1.80
o-Xylene	15,804	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,804	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,804	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,804	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,804	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,804	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,804	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,804	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,804	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,804	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,804	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,804	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,804	1.00	0.590	5,000.0	536
TPH C9-C15	15,804	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-13

Sample Name: 09R_SG_13_20231027

Vinyl Chloride	15,798	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,798	1.00	0.330	10.0	1.92
Methylene Chloride	15,798	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,798	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,798	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,798	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,798	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,798	1.00	0.530	10.0	1.19
Chloroform	15,798	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,798	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,798	19.18	1.050	10.0	11.6
Carbon Tetrachloride	15,798	1.00	0.430 ^g	10.0	1.47
Benzene	15,798	1.00	0.530	25.0	2.99
Trichloroethene	15,798	1.00	0.330	10.0	1.92
1,4-Dioxane	15,798	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,798	1.00	0.330 ^g	10.0	1.92
Toluene	15,798	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,798	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,798	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,798	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,798	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,798	1.00	0.850	25.0	1.86
p & m-Xylene	15,798	1.00	0.880	25.0	1.80
o-Xylene	15,798	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,798	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,798	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,798	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,798	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,798	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,798	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,798	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,798	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,798	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,798	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,798	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,798	1.00	0.590	5,000.0	536
TPH C9-C15	15,798	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-14

Sample Name: 09R_SG_14_20231027

Vinyl Chloride	15,796	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,796	1.00	0.330	10.0	1.92
Methylene Chloride	15,796	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,796	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,796	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,796	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,796	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,796	1.00	0.530	10.0	1.19
Chloroform	15,796	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,796	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,796	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,796	1.00	0.430 ^g	10.0	1.47
Benzene	15,796	1.00	0.530	25.0	2.99
Trichloroethene	15,796	1.00	0.330	10.0	1.92
1,4-Dioxane	15,796	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,796	1.00	0.330 ^g	10.0	1.92
Toluene	15,796	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,796	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,796	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,796	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,796	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,796	1.00	0.850	25.0	1.86
p & m-Xylene	15,796	1.00	0.880	25.0	1.80
o-Xylene	15,796	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,796	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,796	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,796	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,796	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,796	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,796	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,796	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,796	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,796	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,796	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,796	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,796	1.00	0.590	5,000.0	537
TPH C9-C15	15,796	1.00	0.690	5,000.0	459

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-15 **Sample Name:** 09R_SG_15_20231027

Vinyl Chloride	15,801	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,801	1.00	0.330	10.0	1.92
Methylene Chloride	15,801	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,801	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,801	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,801	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,801	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,801	1.00	0.530	10.0	1.19
Chloroform	15,801	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,801	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,801	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,801	1.00	0.430 ^g	10.0	1.47
Benzene	15,801	1.00	0.530	25.0	2.99
Trichloroethene	15,801	1.00	0.330	10.0	1.92
1,4-Dioxane	15,801	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,801	1.00	0.330 ^g	10.0	1.92
Toluene	15,801	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,801	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,801	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,801	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,801	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,801	1.00	0.850	25.0	1.86
p & m-Xylene	15,801	1.00	0.880	25.0	1.80
o-Xylene	15,801	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,801	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,801	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,801	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,801	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,801	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,801	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,801	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,801	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,801	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,801	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,801	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,801	1.00	0.590	5,000.0	536
TPH C9-C15	15,801	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-16

Sample Name: 09R_SG_16_20231027

Vinyl Chloride	15,799	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,799	1.00	0.330	10.0	1.92
Methylene Chloride	15,799	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,799	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,799	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,799	1.00	0.500 ^g	25.0	3.16
1,1-Dichloroethane	15,799	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,799	1.00	0.530	10.0	1.19
Chloroform	15,799	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,799	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,799	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,799	1.00	0.430 ^g	10.0	1.47
Benzene	15,799	1.00	0.530	25.0	2.99
Trichloroethene	15,799	1.00	0.330	10.0	1.92
1,4-Dioxane	15,799	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,799	1.00	0.330 ^g	10.0	1.92
Toluene	15,799	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,799	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,799	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,799	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,799	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,799	1.00	0.850	25.0	1.86
p & m-Xylene	15,799	1.00	0.880	25.0	1.80
o-Xylene	15,799	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,799	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,799	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,799	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,799	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,799	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,799	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,799	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,799	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,799	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,799	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,799	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,799	1.00	0.590	5,000.0	536
TPH C9-C15	15,799	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-17

Sample Name: 09R_SG_17_20231027

Vinyl Chloride	15,795	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,795	1.00	0.330	10.0	1.92
Methylene Chloride	15,795	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,795	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,795	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,795	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,795	1.00	0.850	10.0	0.74
cis-1,2-Dichloroethene	15,795	1.00	0.530	10.0	1.19
Chloroform	15,795	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,795	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,795	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,795	1.00	0.430 ^g	10.0	1.47
Benzene	15,795	1.00	0.530	25.0	2.99
Trichloroethene	15,795	1.00	0.330	10.0	1.92
1,4-Dioxane	15,795	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,795	1.00	0.330 ^g	10.0	1.92
Toluene	15,795	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,795	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,795	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,795	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,795	1.00	0.850 ^g	10.0	0.74
Ethylbenzene	15,795	1.00	0.850	25.0	1.86
p & m-Xylene	15,795	1.00	0.880	25.0	1.80
o-Xylene	15,795	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,795	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,795	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,795	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,795	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,795	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,795	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,795	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,795	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,795	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,795	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,795	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,795	1.00	0.590	5,000.0	537
TPH C9-C15	15,795	1.00	0.690	5,000.0	459

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-18 **Sample Name:** 09R_SG_18_20231027

Vinyl Chloride	15,790	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,790	1.00	0.330	10.0	1.92
Methylene Chloride	15,790	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,790	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,790	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,790	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,790	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,790	1.00	0.530	10.0	1.19
Chloroform	15,790	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,790	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,790	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,790	1.00	0.430 ^g	10.0	1.47
Benzene	15,790	1.00	0.530	25.0	2.99
Trichloroethene	15,790	1.00	0.330	10.0	1.92
1,4-Dioxane	15,790	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,790	1.00	0.330 ^g	10.0	1.92
Toluene	15,790	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,790	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,790	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,790	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,790	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,790	1.00	0.850	25.0	1.86
p & m-Xylene	15,790	1.00	0.880	25.0	1.80
o-Xylene	15,790	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,790	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,790	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,790	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,790	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,790	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,790	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,790	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,790	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,790	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,790	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,790	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,790	1.00	0.590	5,000.0	537
TPH C9-C15	15,790	1.00	0.690	5,000.0	459

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-19 **Sample Name:** 09R_SG_19_20231027

Vinyl Chloride	15,789	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,789	1.00	0.330	10.0	1.92
Methylene Chloride	15,789	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,789	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,789	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,789	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,789	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,789	1.00	0.530	10.0	1.20
Chloroform	15,789	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,789	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,789	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,789	1.00	0.430 ^g	10.0	1.47
Benzene	15,789	1.00	0.530	25.0	2.99
Trichloroethene	15,789	1.00	0.330	10.0	1.92
1,4-Dioxane	15,789	1.00	0.410 ^g	10.0	1.54
1,1,2-Trichloroethane	15,789	1.00	0.330 ^g	10.0	1.92
Toluene	15,789	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,789	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,789	1.00	0.410	10.0	1.54
1,1,1,2-Tetrachloroethane	15,789	1.00	0.410 ^g	10.0	1.54
Chlorobenzene	15,789	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,789	1.00	0.850	25.0	1.86
p & m-Xylene	15,789	1.00	0.880	25.0	1.80
o-Xylene	15,789	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,789	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,789	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,789	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,789	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,789	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,789	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,789	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,789	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,789	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,789	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,789	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,789	1.00	0.590	5,000.0	537
TPH C9-C15	15,789	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-20

Sample Name: 09R_SG_20_20231027

Vinyl Chloride	15,781	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,781	1.00	0.330	10.0	1.92
Methylene Chloride	15,781	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,781	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,781	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,781	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,781	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,781	1.00	0.530	10.0	1.20
Chloroform	15,781	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,781	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,781	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,781	1.00	0.430 ^g	10.0	1.47
Benzene	15,781	1.00	0.530	25.0	2.99
Trichloroethene	15,781	1.00	0.330	10.0	1.92
1,4-Dioxane	15,781	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,781	1.00	0.330 ^g	10.0	1.92
Toluene	15,781	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,781	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,781	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,781	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,781	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,781	1.00	0.850	25.0	1.86
p & m-Xylene	15,781	1.00	0.880	25.0	1.80
o-Xylene	15,781	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,781	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,781	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,781	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,781	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,781	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,781	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,781	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,781	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,781	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,781	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,781	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,781	1.00	0.590	5,000.0	537
TPH C9-C15	15,781	1.00	0.690	5,000.0	459

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-21 **Sample Name:** 09R_SG_21_20231027

Vinyl Chloride	15,780	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,780	1.00	0.330	10.0	1.92
Methylene Chloride	15,780	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,780	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,780	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,780	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,780	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,780	1.00	0.530	10.0	1.20
Chloroform	15,780	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,780	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,780	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,780	1.00	0.430 ^g	10.0	1.47
Benzene	15,780	1.00	0.530	25.0	2.99
Trichloroethene	15,780	1.00	0.330	10.0	1.92
1,4-Dioxane	15,780	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,780	1.00	0.330 ^g	10.0	1.92
Toluene	15,780	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,780	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,780	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,780	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,780	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,780	1.00	0.850	25.0	1.86
p & m-Xylene	15,780	1.00	0.880	25.0	1.80
o-Xylene	15,780	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,780	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,780	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,780	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,780	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,780	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,780	1.00	0.590	5,000.0	537
TPH C9-C15	15,780	1.00	0.690	5,000.0	459

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-22 **Sample Name:** 09R_SG_22_20231027

Vinyl Chloride	15,780	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,780	1.00	0.330	10.0	1.92
Methylene Chloride	15,780	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,780	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,780	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,780	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,780	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,780	1.00	0.530	10.0	1.20
Chloroform	15,780	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,780	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,780	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,780	1.00	0.430 ^g	10.0	1.47
Benzene	15,780	1.00	0.530	25.0	2.99
Trichloroethene	15,780	1.00	0.330	10.0	1.92
1,4-Dioxane	15,780	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,780	1.00	0.330 ^g	10.0	1.92
Toluene	15,780	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,780	1.00	0.390 ^g	10.0	1.62
Tetrachloroethene	15,780	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,780	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,780	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,780	1.00	0.850	25.0	1.86
p & m-Xylene	15,780	1.00	0.880	25.0	1.80
o-Xylene	15,780	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,780	1.00	0.750 ^g	10.0	0.84
Isopropylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,780	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,4-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,2-Dichlorobenzene	15,780	1.00	0.750 ^g	10.0	0.84
1,2,4-Trichlorobenzene	15,780	1.00	0.390 ^g	10.0	1.62
Naphthalene	15,780	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,780	1.00	0.390 ^g	10.0	1.62
2-Methylnaphthalene	15,780	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,780	1.00	0.590	5,000.0	537
TPH C9-C15	15,780	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-23

Sample Name: 09R_SG_23_20231027

Vinyl Chloride	15,777	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,777	1.00	0.330	10.0	1.92
Methylene Chloride	15,777	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,777	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,777	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,777	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,777	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,777	1.00	0.530	10.0	1.20
Chloroform	15,777	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,777	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,777	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,777	1.00	0.430 ^g	10.0	1.47
Benzene	15,777	1.00	0.530	25.0	2.99
Trichloroethene	15,777	1.00	0.330	10.0	1.92
1,4-Dioxane	15,777	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,777	1.00	0.330 ^g	10.0	1.92
Toluene	15,777	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,777	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,777	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,777	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,777	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,777	1.00	0.850	25.0	1.86
p & m-Xylene	15,777	1.00	0.880	25.0	1.80
o-Xylene	15,777	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,777	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,777	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,777	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,777	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,777	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,777	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,777	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,777	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,777	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,777	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,777	1.00	0.760 ^g	25.0	2.08
TPH C5-C8	15,777	1.00	0.590	5,000.0	537
TPH C9-C15	15,777	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-24

Sample Name: 09R_SG_24_20231027

Vinyl Chloride	15,776	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,776	1.00	0.330	10.0	1.92
Methylene Chloride	15,776	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,776	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,776	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,776	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,776	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,776	1.00	0.530	10.0	1.20
Chloroform	15,776	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,776	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,776	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,776	1.00	0.430 ^g	10.0	1.47
Benzene	15,776	1.00	0.530	25.0	2.99
Trichloroethene	15,776	1.00	0.330	10.0	1.92
1,4-Dioxane	15,776	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,776	1.00	0.330 ^g	10.0	1.92
Toluene	15,776	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,776	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,776	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,776	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,776	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,776	1.00	0.850	25.0	1.86
p & m-Xylene	15,776	1.00	0.880	25.0	1.80
o-Xylene	15,776	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,776	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,776	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,776	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,776	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,776	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,776	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,776	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,776	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,776	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,776	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,776	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,776	1.00	0.590	5,000.0	537
TPH C9-C15	15,776	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-25

Sample Name: 09R_SG_25_20231027

Vinyl Chloride	15,774	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,774	1.00	0.330	10.0	1.92
Methylene Chloride	15,774	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,774	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,774	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,774	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,774	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,774	1.00	0.530	10.0	1.20
Chloroform	15,774	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,774	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,774	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,774	1.00	0.430 ^g	10.0	1.47
Benzene	15,774	1.00	0.530	25.0	2.99
Trichloroethene	15,774	1.00	0.330	10.0	1.92
1,4-Dioxane	15,774	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,774	1.00	0.330 ^g	10.0	1.92
Toluene	15,774	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,774	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,774	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,774	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,774	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,774	1.00	0.850	25.0	1.86
p & m-Xylene	15,774	1.00	0.880	25.0	1.80
o-Xylene	15,774	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,774	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,774	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,774	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,774	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,774	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,774	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,774	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,774	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,774	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,774	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,774	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,774	1.00	0.590	5,000.0	537
TPH C9-C15	15,774	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-26

Sample Name: 09R_SG_26_20231027

Vinyl Chloride	15,772	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,772	1.00	0.330	10.0	1.92
Methylene Chloride	15,772	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,772	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,772	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,772	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,772	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,772	1.00	0.530	10.0	1.20
Chloroform	15,772	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,772	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,772	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,772	1.00	0.430 ^g	10.0	1.47
Benzene	15,772	1.00	0.530	25.0	2.99
Trichloroethene	15,772	1.00	0.330	10.0	1.92
1,4-Dioxane	15,772	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,772	1.00	0.330 ^g	10.0	1.92
Toluene	15,772	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,772	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,772	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,772	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,772	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,772	1.00	0.850	25.0	1.86
p & m-Xylene	15,772	1.00	0.880	25.0	1.80
o-Xylene	15,772	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,772	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,772	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,772	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,772	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,772	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,772	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,772	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,772	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,772	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,772	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,772	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,772	1.00	0.590	5,000.0	537
TPH C9-C15	15,772	1.00	0.690	5,000.0	459

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-27

Sample Name: 09R_SG_27_20231027

Vinyl Chloride	15,767	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,767	1.00	0.330	10.0	1.92
Methylene Chloride	15,767	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,767	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,767	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,767	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,767	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,767	1.00	0.530	10.0	1.20
Chloroform	15,767	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,767	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,767	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,767	1.00	0.430 ^g	10.0	1.47
Benzene	15,767	1.00	0.530	25.0	2.99
Trichloroethene	15,767	1.00	0.330	10.0	1.92
1,4-Dioxane	15,767	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,767	1.00	0.330 ^g	10.0	1.92
Toluene	15,767	1.00	0.400	25.0	3.96
1,2-Dibromoethane (EDB)	15,767	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,767	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,767	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,767	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,767	1.00	0.850	25.0	1.87
p & m-Xylene	15,767	1.00	0.880	25.0	1.80
o-Xylene	15,767	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,767	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,767	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,767	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,767	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,767	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,767	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,767	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,767	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,767	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,767	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,767	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,767	1.00	0.590	5,000.0	537
TPH C9-C15	15,767	1.00	0.690	5,000.0	460

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Phoenix Heights Neighborhood Area VI Site Location: Waukesha, WI Project Manager: Jacob Krause	Beacon Proposal: 231003R01 Lab Work Order: 0007274 Reported: 11/09/2023
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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 ³
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Lab ID: 0007274-28 **Sample Name:** 09R_SG_28_20231027

Vinyl Chloride	15,758	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,758	1.00	0.330	10.0	1.92
Methylene Chloride	15,758	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,758	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,758	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,758	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,758	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,758	1.00	0.530	10.0	1.20
Chloroform	15,758	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,758	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,758	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,758	1.00	0.430 ^g	10.0	1.48
Benzene	15,758	1.00	0.530	25.0	2.99
Trichloroethene	15,758	1.00	0.330	10.0	1.92
1,4-Dioxane	15,758	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,758	1.00	0.330 ^g	10.0	1.92
Toluene	15,758	1.00	0.400	25.0	3.97
1,2-Dibromoethane (EDB)	15,758	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,758	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,758	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,758	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,758	1.00	0.850	25.0	1.87
p & m-Xylene	15,758	1.00	0.880	25.0	1.80
o-Xylene	15,758	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,758	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,758	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,758	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,758	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,758	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,758	1.00	0.590	5,000.0	538
TPH C9-C15	15,758	1.00	0.690	5,000.0	460

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-29

Sample Name: 09R_SG_29_20231027

Vinyl Chloride	15,759	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,759	1.00	0.330	10.0	1.92
Methylene Chloride	15,759	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,759	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,759	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,759	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,759	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,759	1.00	0.530	10.0	1.20
Chloroform	15,759	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,759	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,759	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,759	1.00	0.430 ^g	10.0	1.48
Benzene	15,759	1.00	0.530	25.0	2.99
Trichloroethene	15,759	1.00	0.330	10.0	1.92
1,4-Dioxane	15,759	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,759	1.00	0.330 ^g	10.0	1.92
Toluene	15,759	1.00	0.400	25.0	3.97
1,2-Dibromoethane (EDB)	15,759	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,759	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,759	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,759	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,759	1.00	0.850	25.0	1.87
p & m-Xylene	15,759	1.00	0.880	25.0	1.80
o-Xylene	15,759	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,759	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,759	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,759	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,759	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,759	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,759	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,759	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,759	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,759	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,759	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,759	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,759	1.00	0.590	5,000.0	538
TPH C9-C15	15,759	1.00	0.690	5,000.0	460

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007274-30

Sample Name: 09R_SG_30_20231027

Vinyl Chloride	15,758	1.00	0.810	10.0	0.78
1,1-Dichloroethene	15,758	1.00	0.330	10.0	1.92
Methylene Chloride	15,758	1.00	0.350 ^g	10.0	1.81
1,1,2-Trichlorotrifluoroethane (Fr.113)	15,758	1.00	0.890 ^g	10.0	0.71
trans-1,2-Dichloroethene	15,758	1.00	0.440	10.0	1.44
Methyl-t-butyl ether	15,758	1.00	0.500 ^g	25.0	3.17
1,1-Dichloroethane	15,758	1.00	0.850	10.0	0.75
cis-1,2-Dichloroethene	15,758	1.00	0.530	10.0	1.20
Chloroform	15,758	1.00	0.350 ^g	10.0	1.81
1,2-Dichloroethane	15,758	1.00	0.560	10.0	1.13
1,1,1-Trichloroethane	15,758	1.00	1.050	10.0	0.60
Carbon Tetrachloride	15,758	1.00	0.430 ^g	10.0	1.48
Benzene	15,758	1.00	0.530	25.0	2.99
Trichloroethene	15,758	1.00	0.330	10.0	1.92
1,4-Dioxane	15,758	1.00	0.410 ^g	10.0	1.55
1,1,2-Trichloroethane	15,758	1.00	0.330 ^g	10.0	1.92
Toluene	15,758	1.00	0.400	25.0	3.97
1,2-Dibromoethane (EDB)	15,758	1.00	0.390 ^g	10.0	1.63
Tetrachloroethene	15,758	1.00	0.410	10.0	1.55
1,1,1,2-Tetrachloroethane	15,758	1.00	0.410 ^g	10.0	1.55
Chlorobenzene	15,758	1.00	0.850 ^g	10.0	0.75
Ethylbenzene	15,758	1.00	0.850	25.0	1.87
p & m-Xylene	15,758	1.00	0.880	25.0	1.80
o-Xylene	15,758	1.00	0.880	25.0	1.80
1,2,3-Trichloropropane	15,758	1.00	0.750 ^g	10.0	0.85
Isopropylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,3,5-Trimethylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,2,4-Trimethylbenzene	15,758	1.00	0.830 ^g	25.0	1.91
1,3-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,4-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,2-Dichlorobenzene	15,758	1.00	0.750 ^g	10.0	0.85
1,2,4-Trichlorobenzene	15,758	1.00	0.390 ^g	10.0	1.63
Naphthalene	15,758	1.00	0.800 ^g	25.0	1.98
1,2,3-Trichlorobenzene	15,758	1.00	0.390 ^g	10.0	1.63
2-Methylnaphthalene	15,758	1.00	0.760 ^g	25.0	2.09
TPH C5-C8	15,758	1.00	0.590	5,000.0	538
TPH C9-C15	15,758	1.00	0.690	5,000.0	460

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

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:** Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause**Beacon Proposal:** 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Qualifiers/Notes and Definitions

General Definitions:

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

Sample/Sample Receipt Qualifiers and Notes:

D Dilution required to report within calibration Limits.

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Phoenix Heights Neighborhood Area VI
Site Location: Waukesha, WI
Project Manager: Jacob Krause

Beacon Proposal: 231003R01
Lab Work Order: 0007274
Reported: 11/09/2023

Sample Management Records

Project Information		Client Information	
Site Name: <i>WDNR VIZC Phoenix Heights</i>	Company Name: <i>SCS Engineers.</i>	Project Manager: <i>Rob Langden</i>	
Site Location: <i>Waukesha, WI</i>	Office Location: <i>Madison, WI</i>	Client PO:	
	Submitted by: <i>Jacob Krause</i>	Turn around time (check one):	
	Email: <i>jkrause@scsengineers.com</i>	<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)
<i>09R-SG-01-20231027</i>	<i>10-16-23</i>	<i>12:07</i>	<i>10/27/23</i>	<i>1142</i>	<i>12"-36"</i>	<i>Soil/Grass</i>	
<i>09R-SG-02-20231027</i>		<i>12:16</i>		<i>1147</i>			
<i>09R-SG-03-20231027</i>		<i>12:23</i>		<i>1158</i>			
<i>09R-SG-04-20231027</i>		<i>12:27</i>		<i>1204</i>			
<i>09R-SG-05-20231027</i>		<i>12:30</i>		<i>1207</i>			<i>Did not have sample cup</i>
<i>09R-SG-06-20231027</i>		<i>12:35</i>		<i>1210</i>			
<i>09R-SG-07-20231027</i>		<i>12:41</i>		<i>1212</i>			
<i>09R-SG-08-20231027</i>		<i>12:46</i>		<i>1215</i>			
<i>09R-SG-09-20231027</i>		<i>12:52</i>		<i>1218</i>			
<i>09R-SG-10-20231027</i>		<i>12:57</i>		<i>1220</i>			
<i>09R-SG-11-20231027</i>		<i>13:04</i>		<i>1229</i>			
<i>09R-SG-12-20231027</i>		<i>13:08</i>		<i>1232</i>			
<i>09R-SG-13-20231027</i>		<i>13:17</i>		<i>1235</i>			
<i>09R-SG-14-20231027</i>		<i>13:22</i>		<i>1238, 1238</i>			
<i>09R-SG-15-20231027</i>		<i>13:43</i>		<i>1304</i>			

Special Instructions:

Relinquished by (signature): <i>[Signature]</i>	Date / Time: <i>10/30/23 1450</i>	Received by (signature): <i>Nicol Reif</i>	Date / Time: <i>10/31/23 14:59</i>
Relinquished by (signature): <i>[Signature]</i>	Date / Time:	Received by (signature):	Date / Time:
For Lab Use Only	Beacon Job No: <i>7274</i>	Beacon Proposal: <i>231003R01</i>	Analytical Method:
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>5722516</i>

Project Information		Client Information	
Site Name: <u>WDNR VIZC</u> <u>Phoenix Heights</u>	Company Name: <u>SCS Engineers</u>	Project Manager: <u>Rob Langden</u>	
Site Location: <u>Waukesha, WI</u>	Office Location: <u>Madison WI</u>	Client PO:	
	Submitted by: <u>Jacob Krause</u>	Turn around time (check one):	
	Email: <u>jkrause@scsengineers.com</u>	<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		Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
					<input type="checkbox"/> cm	<input checked="" type="checkbox"/> inches		
<u>OPR-SG-16-20231027</u>	<u>10-16-23</u>	<u>13:48</u>	<u>10/27/23</u>	<u>1307</u>	<u>12"-36"</u>	<input checked="" type="checkbox"/>	<u>Soil/Grass</u>	
<u>OPR-SG-17-20231027</u>		<u>13:54</u>		<u>1309</u>				
<u>OPR-SG-18-20231027</u>		<u>14:01</u>		<u>1311</u>				
<u>OPR-SG-19-20231027</u>		<u>14:05</u>		<u>1314</u>				
<u>OPR-SG-20-20231027</u>		<u>14:15</u>		<u>1316</u>				
<u>OPR-SG-21-20231027</u>		<u>14:18</u>		<u>1318</u>				
<u>OPR-SG-22-20231027</u>		<u>14:21</u>		<u>1321</u>				
<u>OPR-SG-23-20231027</u>		<u>14:28</u>		<u>1325</u>				
<u>OPR-SG-24-20231027</u>		<u>14:33</u>		<u>1329</u>				
<u>OPR-SG-25-20231027</u>		<u>14:38</u>		<u>1332</u>				
<u>OPR-SG-26-20231027</u>		<u>14:42</u>		<u>1334</u>				
<u>OPR-SG-27-20231027</u>		<u>14:49</u>		<u>1336</u>				
<u>OPR-SG-28-20231027</u>		<u>15:00</u>		<u>1338</u>				
<u>OPR-SG-29-20231027</u>		<u>15:02</u>		<u>1341</u>				
<u>OPR-SG-30-20231027</u>		<u>15:05</u>		<u>1343</u>				

Special Instructions:

For Lab Use Only	Beacon Job No: <u>774</u>	Beacon Proposal: <u>231003R01</u>	Analytical Method:
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From: [Krause, Jacob](#)
To: CLangemak@waukesha-wi.gov
Cc: [Drews, Mark D - DNR](#); [Borski, Jennifer - DNR](#); [Walden, James E -DNR](#); [Martinez, Joseph J - DNR](#); [Langdon, Robert](#)
Subject: RE: Sample Results Notification - Phoenix Heights Neighborhood Area, Waukesha, WI - WDNR BRRTS #02-68-098404 and #02-68-000601
Date: Friday, December 1, 2023 11:39:47 AM
Attachments: [Table 2 Sanitary Sewer Gas Analytical Results Summary passive revised.pdf](#)

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Chris,

SCS is providing a revised Table 2 (attached), to replace the original version sent in my email on 11/30. Some sample collection dates were incorrect in the original. No changes were made to the analytical results.

Again, please feel free to contact Jim Walden (James.Walden@wisconsin.gov or 608-640-6639) at WDNR with any questions.

Thanks again,

Jacob Krause, PG
SCS Engineers
Madison, WI
608-216-7342 (W)
608-280-1630 (C)
jkrause@scsengineers.com

www.scsengineers.com

From: Krause, Jacob
Sent: Thursday, November 30, 2023 4:10 PM
To: CLangemak@waukesha-wi.gov
Cc: Mark.Drews@wisconsin.gov; jennifer.borski@wisconsin.gov; Walden, James E -DNR <jamese.walden@wisconsin.gov>; Martinez, Joseph J - DNR <Joseph.Martinez@wisconsin.gov>; Langdon, Robert <RLangdon@scsengineers.com>
Subject: Sample Results Notification - Phoenix Heights Neighborhood Area, Waukesha, WI - WDNR BRRTS #02-68-098404 and #02-68-000601

To Mr. Chris Langemak, Project Engineer, City of Waukesha:

This message serves as notification of laboratory analytical results for sanitary sewer gas, sanitary sewer liquid, and soil gas samples collected within the public right-of-way in Waukesha, Wisconsin. The sampling was completed by SCS Engineers (SCS) at the request of the Wisconsin Department of Natural Resources (WDNR) through the Vapor Intrusion Zone Contract (VIZC). Sanitary sewer gas samples were collected from sanitary manhole structures using two methods: grab gas samples analyzed locally on the same day as collection using a mobile gas spectrometer with an electron capture device (GC/ECD) from the locations shown on **Figure 1**, and passive sorbent tube samplers deployed at a subset of manholes for 7 days (**Figure 2**). Sanitary liquid samples were also collected using bailers from select manholes (**Figure 3**). Soil gas samples were collected by deploying passive sorbent tube samples in shallow soil within the grass terrace areas along E. Main St. (**Figure 4**) and White Rock Ave. (**Figure 5**). The laboratory analytical results have been tabulated for comparison to applicable standards established by WDNR, and are presented in the attached **Tables 1 through 4**. Copies of the laboratory analytical reports are also attached. A brief discussion of the analytical results follows below:

Sanitary Sewer Gas Samples: VOCs were detected in most passive samples. TCE was reported at concentrations in excess of SSGSLs at all locations instrumented with passive samplers, with the exception of samples "09R_SSG_23_20231018" collected from MH 1790. Grab samples "09R_SSG_26_20231011", "09R_SSG_27_20231011", "09R_SSG_28_20231011", "09R_SSG_29_20231011", "09R_SSG_30_20231011" analyzed using the GC/ECD also exceeded the SSGSL for TCE. Concentrations greater than 10% of SSGSLs were reported for additional VOCs and manhole locations, as shown in **Tables 1 and 2**.

Sanitary Sewer Liquid Samples: VOCs were detected in each of the samples submitted for laboratory analysis. The most elevated concentrations of TCE were detected in samples from MH 5632 and MH 1791, located along Perkins Ave.

Soil Gas Samples: Results from soil gas sampling generally indicated sporadic low-level VOCs below Vapor Risk Screening Levels (VRSLs), with the exception of TCE in sample "09R_SG_13_20231027", which exceeded the VRSL for residential and small commercial settings.

SCS will prepare a summary report which will provide further discussion of the results. Once complete, the report will be listed on the WDNR BRRTS database, which is available to the public.

Please contact Jim Walden (James.Walden@wisconsin.gov or 608-640-6639) at WDNR with any questions regarding the work completed or sample analytical results.

Thank you,

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

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Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloromethane	Cyclohexane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	1,1-Dichloroethane (1,1-DCA)	1,2-Dichloroethane (1,2-DCA)	1,1-Dichloroethene (1,1-DCE)	cis-1,2-Dichloroethylene
CAS #	--	--	--	--	71-43-2	56-23-5	108-90-7	67-66-3	74-87-3	110-82-7	106-93-4	95-50-1	541-73-1	106-46-7	123-91-1	75-34-3	107-06-2	75-35-4	156-59-2
09R_SSG_04_20231018	Eurofins	MH 3574	10/10/2023	10/18/2023	<7.9	<2.4	<1.2	<u>21</u>	<14	<2.2	NA	<0.53	<0.59	<u>14</u>	NA	8.7	<2.0	<12	57
09R_SSG_06_20231018	Eurofins	MH 4078	10/10/2023	10/18/2023	<8.0	<2.4	<1.2	<u>18</u>	<15	<2.2	NA	<0.54	<0.60	<u>13</u>	NA	8.4	<2.0	<12	53
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	<u>13.2</u>	<2.05	<1.03	<u>33.3</u>	NA	NA	<2.26	17.1 AI2	<1.17	<1.17	8.09	15.5	<1.57	41.7	107
09R_SSG_07_20231018	Eurofins	MH 3577	10/10/2023	10/18/2023	<8.0	<2.4	<1.2	<u>17</u>	<15	<2.2	NA	<0.54	<0.60	<u>13</u>	NA	7.8	<2.0	<12	51
09R_SSG_08_20231018	Eurofins	MH 5875	10/10/2023	10/18/2023	<8.0	<2.4	<1.2	<u>17</u>	<15	<2.2	NA	<0.54	<0.60	<u>13</u>	NA	10	<2.0	<13	67
09R_SSG_10_20231018	Eurofins	MH 5876	10/10/2023	10/18/2023	<8.0	<2.5	<1.2	<u>10</u>	<15	<2.2	NA	<0.54	<0.61	7.0	NA	3.9	<2.0	<13	22
09R_SSG_15_20231018	Eurofins	MH 3581	10/10/2023	10/18/2023	<8.1	<2.5	<1.2	<u>13</u>	<15	<2.2	NA	<0.54	<0.61	7.2	NA	<2.8	<2.0	<13	6.6
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	4.72	<2.08	<1.05	<u>13.7</u>	NA	NA	<2.29	4.48	<1.19	<1.19	<u>63.5</u>	<1.05	<1.60	<2.71	2.25
09R_SSG_22_20231018	Eurofins	MH 1791	10/11/2023	10/18/2023	<9.0	<2.7	<1.4	<u>6.5</u>	<16	<2.5	NA	<0.60	<0.68	7.8	NA	5.3	<2.2	<14	44
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	<4.67	<2.30	<1.16	<u>8.32</u>	NA	NA	<2.54	3.09	<1.32	<1.32	5.13	2.24	<1.77	<3.00	19.5
09R_SSG_23_20231018	Eurofins	MH 1790	10/11/2023	10/18/2023	<9.0	<2.7	<1.4	<2.6	<16	<2.5	NA	<0.60	<0.68	<0.67	NA	<3.1	<2.2	<14	<2.6
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<4.68	<2.31	<1.17	<2.83	NA	NA	<2.54	<1.32	<1.32	<1.32	<2.42	<1.17	<1.77	<3.00	<1.87
09R_SSG_24_20231018	Eurofins	MH 5877	10/11/2023	10/18/2023	<9.1	<2.8	<1.4	<u>18</u>	<17	<2.5	NA	<0.61	<0.68	<u>19</u>	NA	13	<2.3	<14	96
09R_SSG_28_20231018	Eurofins	MH 3569	10/11/2023	10/18/2023	<9.0	<2.8	<1.4	<u>15</u>	<17	<2.5	NA	<0.61	<0.68	<u>17</u>	NA	16	<2.3	16	85
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	5.71	<2.32	<1.17	<u>5.46</u>	NA	NA	<2.56	10.5	<1.33	<1.33	<u>34.0</u>	7.01	<1.78	33.2	55.6
09R_SSG_30_20231018	Eurofins	MH 3518	10/11/2023	10/18/2023	<9.2	<2.8	<1.4	<u>12</u>	<17	<2.5	NA	<0.62	<0.69	<u>16</u>	NA	15	<2.3	21	53
09R_SSG_33_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<9.2	<2.8	<1.4	3.3	<17	<2.5	NA	<0.61	<0.69	3.7	NA	6.0	<2.3	<14	8.5
09R_SSG_38_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<9.2	<2.8	<1.4	<u>6.6</u>	<17	<2.5	NA	<0.62	<0.69	0.78	NA	<3.2	<2.3	<14	5.7
LAB BLANK	Eurofins	--	--	--	<7.9	<2.4	<1.2	<2.3	<14	<2.2	NA	<0.53	<0.59	<0.58	NA	<2.7	<2.0	<12	<2.3
Sanitary Sewer Gas Screening Level (Residential Buildings)					120	160	1700	41	3,100	210,000	1.6	7,000	NE	85	190	590	36	7,000	1,400
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					520	680	7300	180	13,000	880,000	6.8	29,000	NE	370	820	2600	160	29,000	5,800

Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	trans-1,2-Dichloroethylene	Ethylbenzene	n-Heptane	n-Hexane [a.k.a. Hexane]	Isopropylbenzene [a.k.a. Cumene]	Methylene Chloride	Methyl Ethyl Ketone (2-Butanone [MEK])	Methyl Isobutyl Ketone (4-Methyl-2-pentanone [MIBK])	2-Methyl-naphthalene	Methyl-tert-butyl ether (MTBE)	Naphthalene	Propylbenzene	Styrene	1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene (PCE)
CAS #	--	--	--	--	156-60-5	100-41-4	142-82-5	110-54-3	98-82-8	75-09-2	78-93-3	108-10-1	91-57-6	1634-04-4	91-20-3	103-65-1	100-42-5	79-34-5	630-20-6	127-18-4
09R_SSG_04_20231018	Eurofins	MH 3574	10/10/2023	10/18/2023	<5.4	7.7	28	<12	NA	NA	<5.8	<3.5	NA	<2.7	<0.98	<0.76	48	<0.96	NA	4.4
09R_SSG_06_20231018	Eurofins	MH 4078	10/10/2023	10/18/2023	<5.5	5.5	27	<12	NA	NA	<5.8	<3.5	NA	<2.7	<1.0	<0.77	28	<0.98	NA	4.0
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	15.5	3.79	NA	NA	<2.65	8.55	NA	NA	<2.89	<4.40	<2.75	NA	NA	NA	<2.15	7.86
09R_SSG_07_20231018	Eurofins	MH 3577	10/10/2023	10/18/2023	<5.5	5.3	27	<12	NA	NA	<5.8	<3.5	NA	<2.7	<1.0	<0.77	29	<0.98	NA	3.9
09R_SSG_08_20231018	Eurofins	MH 5875	10/10/2023	10/18/2023	<5.5	5.1	20	<12	NA	NA	<5.9	<3.5	NA	<2.8	<1.0	<0.78	23	<0.98	NA	4.1
09R_SSG_10_20231018	Eurofins	MH 5876	10/10/2023	10/18/2023	<5.5	3.4	15	<12	NA	NA	<5.9	<3.5	NA	<2.8	<1.0	<0.78	15	<0.98	NA	2.0
09R_SSG_15_20231018	Eurofins	MH 3581	10/10/2023	10/18/2023	<5.6	4.4	24	<12	NA	NA	<5.9	<3.6	NA	<2.8	<1.0	<0.78	6.3	<0.99	NA	2.2
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	<2.03	<2.63	NA	NA	<2.69	6.13	NA	NA	<2.94	<4.47	<2.79	NA	NA	NA	<2.18	<2.18
09R_SSG_22_20231018	Eurofins	MH 1791	10/11/2023	10/18/2023	<6.2	1.4	5.4	<13	NA	NA	<6.6	<3.9	NA	<3.1	<1.1	<0.87	4.2	<1.1	NA	3.0
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	2.84	<2.91	NA	NA	<2.98	<2.83	NA	NA	<3.25	<4.95	<3.09	NA	NA	NA	<2.41	<2.41
09R_SSG_23_20231018	Eurofins	MH 1790	10/11/2023	10/18/2023	<6.2	<1.2	<2.4	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.87	<1.1	<1.1	NA	<1.3
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<2.25	<2.92	NA	NA	<2.99	<2.83	NA	NA	<3.26	<4.96	<3.10	NA	NA	NA	<2.42	<2.42
09R_SSG_24_20231018	Eurofins	MH 5877	10/11/2023	10/18/2023	<6.2	5.2	14	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.88	29	<1.1	NA	5.1
09R_SSG_28_20231018	Eurofins	MH 3569	10/11/2023	10/18/2023	<6.2	2.3	2.8	<13	NA	NA	<6.6	<4.0	NA	<3.1	<1.1	<0.87	2.0	<1.1	NA	5.9
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	10.3	<2.94	NA	NA	<3.01	<2.85	NA	NA	<3.28	<4.99	<3.12	NA	NA	NA	<2.43	3.77
09R_SSG_30_20231018	Eurofins	MH 3518	10/11/2023	10/18/2023	<6.3	2.4	2.5	<13	NA	NA	<6.7	<4.0	NA	<3.2	<1.1	<0.88	2.2	<1.1	NA	4.0
09R_SSG_33_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<6.3	<1.2	<2.4	<13	NA	NA	<6.7	<4.0	NA	<3.1	<1.1	<0.88	1.6	<1.1	NA	<1.3
09R_SSG_38_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<6.3	<1.2	<2.4	<13	NA	NA	<6.7	<4.0	NA	<3.2	<1.2	<0.89	<1.1	<1.1	NA	<1.3
LAB BLANK	Eurofins	--	--	--	<5.4	<1.0	<2.1	<12	NA	NA	<5.8	<3.5	NA	<2.7	<0.98	<0.76	<0.96	<0.96	NA	<1.1
Sanitary Sewer Gas Screening Level (Residential Buildings)					1,400	370	14,000	24,000	14,000	21,000	170,000	100,000	NE	3,600	28	35,000	35,000	16	130	1,400
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					5,800	1,600	58,000	100,000	58,000	88,000	730,000	440,000	NE	16,000	120	150,000	150,000	71	550	5,800

Table 2. Sanitary Sewer Gas Analytical Results Summary
Phoenix Heights Neighborhood Area, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in µg/m³)

Sample ID	Laboratory	Sample Location	Sample Start Date	Sample End Date	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane (1,1,1-TCA)	1,1,2-Trichloroethane	Trichloroethene (TCE)	1,1,2-Trichlorotrifluoroethane [a.k.a. 1,1,2-Trichloro-1,2,2-trifluoroethane]	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	Vinyl Chloride	m-Xylene & p-Xylene	o-Xylene
CAS #	--	--	--	--	108-88-3	120-82-1	71-55-6	79-00-5	79-01-6	76-13-1	95-63-6	108-67-8	87-61-6	96-18-4	75-01-4	179601-23-1	95-47-6
09R_SSG_04_20231018	Eurofins	MH 3574	10/10/2023	10/18/2023	12	NA	48	<1.7	<u>450</u>	NA	2.7	5.2	NA	NA	<14	7.8	3.8
09R_SSG_06_20231018	Eurofins	MH 4078	10/10/2023	10/18/2023	9.2	NA	46	<1.7	<u>450</u>	NA	2.6	6.9	NA	NA	<15	6.4	3.1
09R_SSG_06_20231018	Beacon	MH 4078	10/10/2023	10/18/2023	22.5	<2.26	20.9	<2.67	<u>941</u>	<0.988	<2.65	<2.65	<2.26	<1.17	<u>6.93</u>	5.43	3.35
09R_SSG_07_20231018	Eurofins	MH 3577	10/10/2023	10/18/2023	9.6	NA	44	<1.7	<u>420</u>	NA	2.6	8.0	NA	NA	<15	6.4	3.2
09R_SSG_08_20231018	Eurofins	MH 5875	10/10/2023	10/18/2023	10	NA	54	<1.7	<u>520</u>	NA	2.7	10	NA	NA	<15	5.3	2.7
09R_SSG_10_20231018	Eurofins	MH 5876	10/10/2023	10/18/2023	4.8	NA	20	<1.7	<u>210</u>	NA	1.6	4.4	NA	NA	<15	4.2	2.2
09R_SSG_15_20231018	Eurofins	MH 3581	10/10/2023	10/18/2023	4.3	NA	7.0	<1.7	<u>70</u>	NA	1.9	<0.71	NA	NA	<15	6.3	3.1
09R_SSG_15_20231018	Beacon	MH 3581	10/10/2023	10/18/2023	<5.59	<2.29	<0.851	<2.71	<u>19.5</u>	<1.00	<2.69	<2.69	<2.29	<1.19	<1.10	5.03	2.91
09R_SSG_22_20231018	Eurofins	MH 1791	10/11/2023	10/18/2023	4.8	NA	18	<1.9	<u>200</u>	NA	<0.70	1.3	NA	NA	<16	1.3	<1.1
09R_SSG_22_20231018	Beacon	MH 1791	10/11/2023	10/18/2023	<6.18	<2.54	3.69	<3.00	<u>86.0</u>	<1.11	<2.98	<2.98	<2.54	<1.32	<1.22	<2.81	<2.81
09R_SSG_23_20231018	Eurofins	MH 1790	10/11/2023	10/18/2023	<1.6	NA	<3.3	<1.9	<1.9	NA	<0.71	<0.78	NA	NA	<16	<1.2	<1.1
09R_SSG_23_20231018	Beacon	MH 1790	10/11/2023	10/18/2023	<6.19	<2.54	<0.944	<3.00	<3.00	<1.11	<2.99	<2.99	<2.54	<1.32	<1.22	<2.82	<2.82
09R_SSG_24_20231018	Eurofins	MH 5877	10/11/2023	10/18/2023	12	NA	75	<1.9	<u>740</u>	NA	3.2	12	NA	NA	<17	4.7	2.3
09R_SSG_28_20231018	Eurofins	MH 3569	10/11/2023	10/18/2023	6.9	NA	250	<1.9	<u>1,600</u>	NA	2.7	3.7	NA	NA	<17	1.8	<1.1
09R_SSG_28_20231018	Beacon	MH 3569	10/11/2023	10/18/2023	<6.24	<2.56	20.9	<3.03	<u>811</u>	<1.12	<3.01	<3.01	<2.56	<1.33	5.11	<2.84	<2.84
09R_SSG_30_20231018	Eurofins	MH 3518	10/11/2023	10/18/2023	4.4	NA	240	<1.9	<u>1,300</u>	NA	1.5	1.9	NA	NA	<17	4.5	1.4
09R_SSG_33_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<1.6	NA	93	<1.9	<u>390</u>	NA	<0.72	<0.80	NA	NA	<17	<1.2	<1.1
09R_SSG_38_20231018	Eurofins	MH 3517	10/11/2023	10/18/2023	<1.6	NA	7.4	<1.9	<u>70</u>	NA	<0.72	<0.80	NA	NA	<17	<1.2	<1.1
LAB BLANK	Eurofins	--	--	--	<1.4	NA	<2.9	<1.7	<1.7	NA	<0.62	<0.69	NA	NA	<14	<1.0	<0.96
Sanitary Sewer Gas Screening Level (Residential Buildings)					170,000	70	170,000	7.0	70	170,000	2,100	2,100	NE	10	56	NE	3,500
Sanitary Sewer Gas Screening Level (Commercial/Industrial Buildings)					730,000	290	730,000	29	290	730,000	8,800	8,800	NE	44	930	NE	15,000

Abbreviations:

µg/m³ = micrograms per cubic meter of air
 Eurofins = Eurofins Air Toxics

CAS # = Chemical Abstracts Service Number
 Beacon = Beacon Environmental

NA = Not Analyzed
 NE = No Established Vapor Risk Screening Level

-- = Not Applicable

Notes:

1. Samples were collected using passive sorbent samplers and analyzed using the USEPA TO-17 analytical method.
2. Sanitary Sewer Gas Screening Levels (SSGSLs) calculated using U.S. EPA Vapor Intrusion Screening Levels (VISL) Calculator per the August 2023 Wisconsin Department of Natural Resources' WI Vapor Quick Look-Up Table instructions with Hazard Quotient of 1, Target Risk of 10⁻⁵, Commercial and Residential Exposure Scenarios, and Attenuation Factor of 0.03.
3. **Underlined** values meet or exceed SSGSLs for the appropriate setting (residential or commercial/industrial).
4. Underlined values meet or exceed 10% of the SSGSLs and further sampling is recommended per WDNR Guidance Document RR-649 *Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors*.

Laboratory Notes/Qualifiers:

A12 = Quantifying Internal Standard recovery below laboratory and method acceptance limits, result value biased high.
 I3 = Internal Standard recovery was below laboratory and method acceptance limits, associated results with detections associated with this internal standard are biased high.

Created by:	LMH	Date:	11/28/2023
Last Rev by:	LMH	Date:	11/29/2023
Checked by:	REO	Date:	11/30/2023
Proj Mgr QA/QC:	REL	Date:	11/30/2023

I:\25222269.00\25222269.05 Phoenix Heights\Data and Calculations\Tables\[Sanitary Sewer Gas Analytical Results Summary.xlsx]Vapor Intrusion

November 16, 2023
File No. 25222269.05

Jennifer Kanter – Property Manager
Bieck Management
9800 W. Bluemound Rd, Suite 200
Wauwatosa, WI 53226

Subject: Sample Results Notification – **Contaminants Not Detected**
1165 White Rock Avenue, Waukesha, WI – Plumbing Cleanout and Floor Drain Gas
WDNR Phoenix Heights Neighborhood Area Vapor Investigation
BRRTS No. 02-68-098404 & 02-68000601

Dear Ms. Kanter:


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 plumbing conduit gas samples which were collected from your property by SCS on October 12, 2023. The approximate sample locations are shown on the attached map (**Figure 1**). The samples were collected using glass syringes and analyzed for analysis of three specific chlorinated volatile organic compounds (CVOCs): tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane (TCA).

The sample laboratory reports are included as **Attachment A**. Sample results for your property are summarized in **Table 1**. The three CVOCs constituents analyzed were not detected in the samples collected at your property. No additional sampling at your property is planned at this time.

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 Jim Walden of WDNR at (608) 640-6639 or jamese.walden@wisconsin.gov if you have questions concerning the analytical results.

Sincerely,


Robert Langdon
Senior Project Manager
SCS Engineers


Jacob Krause, PG
Hydrogeologist
SCS Engineers

JJK/lmh/REL

cc: Jim Walden, WDNR (email only)
Jennifer Borski, WDNR (email only)

Encl. Table 1 – Plumbing Conduit Gas Analytical Results Summary
Figure 1 - Vapor Investigation Map
Attachment A - Laboratory Report

I:\25222269.00\25222269.05 Phoenix Heights\Deliverables\Sample Results Notification - 1165 White Rock Ave Plumbing Cleanout Samples\231116_Kanter_1165 White Rock Avenue Plumbing Cleanout Gas Sample Results.docx



Table 1

Plumbing Conduit Gas Analytical Results Summary

Table 1. Plumbing Conduit Gas Analytical Results Summary
1165 White Rock Avenue, Waukesha, Wisconsin / SCS Engineers Project #25222269.05
WDNR VIZC - Phoenix Heights Neighborhood
 (Results are in $\mu\text{g}/\text{m}^3$)

Sample	Location	Date	Lab Notes	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	1,1,1-Trichloroethane (TCA)
09A_LPG_01_20231012	Basement, Cleanout near laundry	10/12/2023	-	ND	ND	ND
09A_LPG_02_20231012	Basement, Cleanout on plumbing stack	10/12/2023	-	ND	ND	ND
09A_LPG_03_20231012	Basement, Cleanout on plumbing stack	10/12/2023	-	ND	ND	ND
09A_FD_01_20231012	Basement floor drain	10/12/2023	-	ND	ND	ND
Vapor Risk Screening Level (Residential Building)				NE	NE	NE

Abbreviations:

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

-- = Not Applicable

NE = Standard Not Established

ND = Not Detected

Notes:

1. Samples were collected in glass syringes and analyzed using a mobile gas chromatograph with electron capture device (GC/ECD).
2. Vapor Risk Screening Levels for plumbing conduit gas have not been established by Wisconsin Department of Natural Resources.

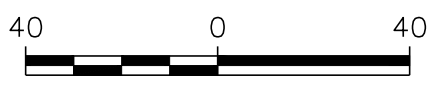
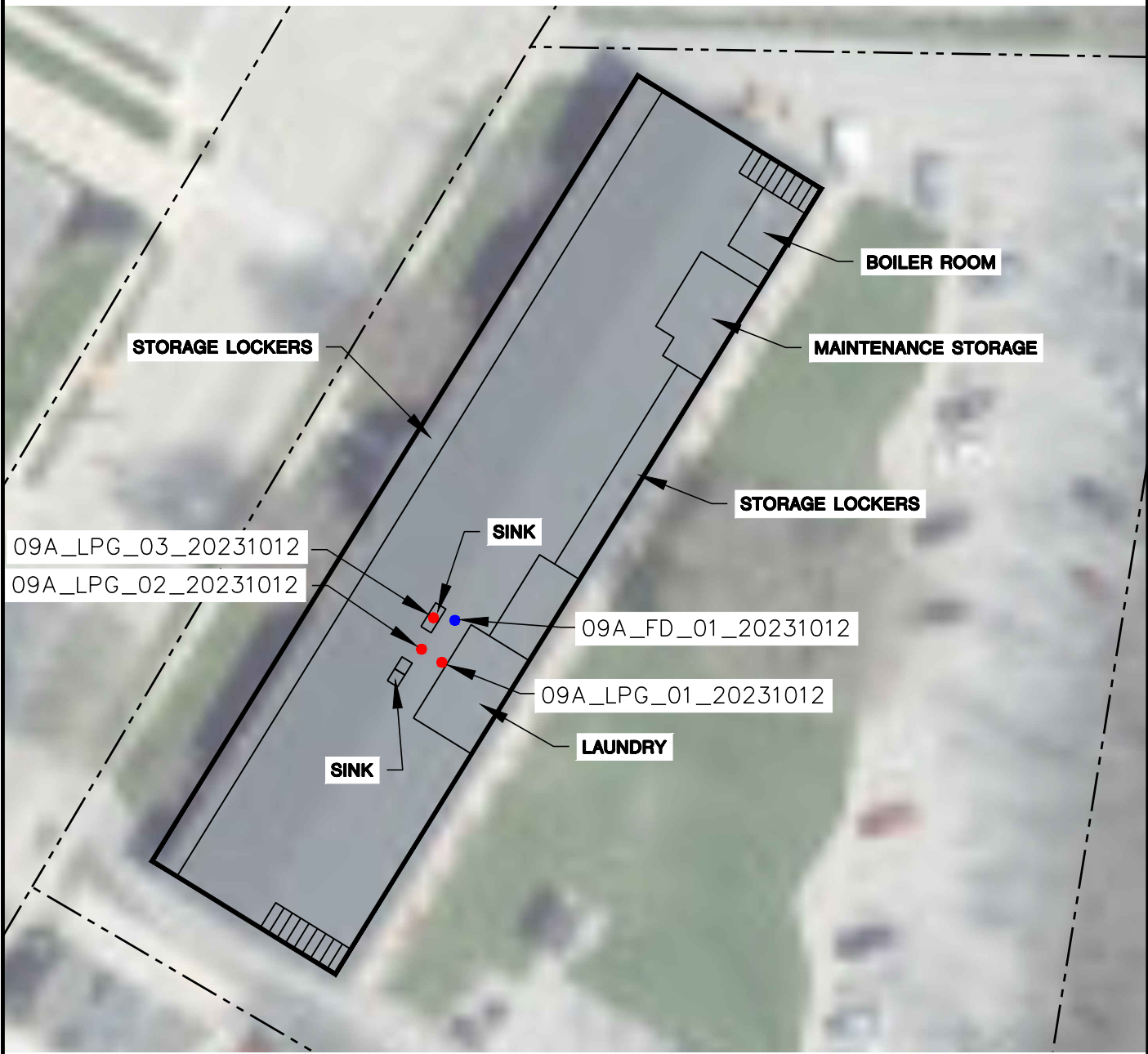
Created by: JJK
 Last revision by: JJK
 Checked by: REL
 Proj Mgr QA/QC: REL

Date: 11/14/2023
 Date: 11/14/2023
 Date: 11/15/2023
 Date: 11/15/2023

I:\25222269.00\25222269.05 Phoenix Heights\Data and Calculations\Tables\[Vapor - Plumbing Clean-out Gas Samples_short list VOCs.xlsx]Sub-Slab Results in ug m3

Figure 1
Vapor Investigation Map


BASEMENT LEVEL



SCALE: 1" = 40'

LEGEND

- APPROXIMATE PLUMBING CLEANOUT GAS SAMPLE LOCATION
- APPROXIMATE FLOOR DRAIN GAS SAMPLE LOCATION
- APPROXIMATE PROPERTY LINE

CLIENT		WISCONSIN DEPARTMENT OF NATURAL RESOURCES	SITE PHOENIX HEIGHTS NEIGHBORHOOD 1165 WHITE ROCK AVENUE WAUKESHA, WI	VAPOR INVESTIGATION MAP
	PROJECT NO. 25222269.05 DRAWN: 11/14/2023 REVISED:	DRAWN BY: SB CHECKED BY: JJK APPROVED BY: REL 11/16/2023	ENGINEER <div style="background-color: #800000; color: white; padding: 2px; text-align: center; font-weight: bold; margin-bottom: 5px;">SCS ENGINEERS</div> 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE 1

Attachment A
Laboratory Report



Client: SCS Engineering

Site: DNR-Waukesha

On-site EPA Method TO-14 Data from Air Samples

Instrument: SRI 8610 Gas Chromatograph with ECD

Operator: Clint Hartman

Date: 10/12/2023

Sample ID	Sample Time	TCA (ug/m3)	TCE (ug/m3)	PCE (ug/m3)	Comments
12_20231012	10:00	ND	3.9	ND	
27_20231012	10:13	12	86	1.8	Inteference with TCA
57	10:22	1.8	12	ND	
58	10:31	ND	ND	ND	
59	10:41	6.5	55	ND	Inteference with TCA
60	10:50	1.2	4.2	ND	
61	11:02	2.7	22	ND	
LPG01	11:55	ND	ND	ND	
LPG02	12:04	ND	ND	ND	
LPG03	12:12	ND	ND	ND	
FD01	12:20	ND	ND	ND	
Reporting Limit (ug/m3)		1.0	1.0	1.0	
ND indicates not detected at the reporting limits listed above					