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June 29, 2024

Ms. Rachel M. Taylor, LPG
Indiana Department of Environmental Management
Office of Land Quality - Voluntary Remediation Program
100 North Senate Avenue
Indianapolis, IN 46204

Subject: **Groundwater Monitoring and Soil Gas Delineation Report**
Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, Indiana 47807
VRP# 6120601
EnviroForensics Project #6203

Dear Ms. Taylor:

EnviroForensics, LLC (EnviroForensics) has prepared this *Groundwater Monitoring and Soil Gas Delineation Report* for the former Popoff Cleaners facility located at 1517-1529 Wabash Avenue in Terre Haute, Indiana (Site). In a letter dated January 30, 2024, the Indiana Department of Environmental Management (IDEM) agreed with EnviroForensics' proposal to conduct additional groundwater monitoring and stated additional investigation was necessary to delineate soil gas, specifically shallow soil gas south of SG-2. The information presented herein is a summary of the investigation activities performed by EnviroForensics in December 2023 and March 2024, including groundwater monitoring and soil gas sampling. Work was conducted in accordance with the IDEM Remediation Closure Guide (RCG).

1.0 SITE BACKGROUND

The Site is located near downtown Terre Haute in an area of mixed commercial and residential properties. As depicted on **Figure 1**, the Site consists of two (2) parcels zoned for commercial use: 1517 Wabash Avenue (former Popoff Cleaners; vacant commercial lot) and 1529 Wabash Avenue (vacant commercial structure). Dry cleaning operations were performed at 1517 Wabash Avenue using PCE as early as 1948. Popoff Cleaners took ownership of the property in the mid-1980s and continued dry cleaning operations until 2011. Based on historical operations, contaminants of concern (COCs) include tetrachloroethene (PCE), trichloroethene

(TCE), and their associated breakdown products, cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride (VC).

The unsaturated lithology at the Site includes a cohesive, shallow unit (Upper Unit) consisting of silty clay to a depth of approximately 7 feet below ground surface (bgs), underlain by a course-grained, deep unit (Lower Unit) consisting of fine to medium grained sand. The Site building was demolished in May 2017 to facilitate source area excavation. Approximately 770 tons of soil were removed from the PCE-impacted upper clay unit to approximately 6 feet bgs. After the excavation was backfilled, a soil vapor extraction (SVE) system operated from October 2017 to April 2018 to remove contaminant mass from the underlying granular unit.

As previously reported, post-remedial sampling has confirmed remedial action successfully reduced contaminant concentrations to target levels.

2.0 GROUNDWATER MONITORING

In a letter dated March 1, 2023, IDEM stated that EnviroForensics should install three (3) downgradient compliance wells along 9th Street, noting that "the compliance wells along [the] North 9th Street transect will be appropriate in determining the full nature and extent of PCE plume downgradient of the source." As previously reported, the wells (MW-15, MW-16, and MW-17) were installed in May 2023 and sampled in June 2023 (2Q23) and September 2023 (3Q23). This section discusses groundwater monitoring activities completed in December 2023 (4Q23) and March 2024 (1Q24).

2.2 Groundwater Monitoring

EnviroForensics conducted quarterly groundwater monitoring activities on December 5-6, 2023 and again on March 18-20, 2024. During both events, EnviroForensics gauged the accessible well network and collected samples from wells historically containing detectable concentrations of volatile organic compounds (VOCs) in post-remedial samples and the three (3) delineation wells. Wells were sampled via low-flow techniques in accordance with the field procedures outlined in **Appendix 1**. Groundwater geotechnical parameters were monitored during purging and were recorded on the field sampling forms included as **Appendix 2**. Note the individual collecting the sample from MW-17 misread the depth to groundwater and wrote 35.79 instead of 34.79 on the sampling form.

During each event, samples were collected via low-flow techniques from nine (9) wells, including MW-6, MW-8 through MW-11, MW-13, and MW-15 through MW-17. Insufficient water was present in MW-1, thus, the well could not be sampled. Though the water level was low, a sample was collected from MW-4 during the March sampling event by bailing the well dry and collecting a sample via bailer one (1) day later after the well recharged. MW-7 has not

been accessible since the third quarter of 2019 due to construction/redevelopment work that was completed at the former commercial property immediately north of the well (1450 Wabash Avenue). Quality assurance/quality control (QA/QC) samples included one (1) duplicate sample, one (1) matrix spike/matrix spike duplicate (MS/MSD) sample, two (2) equipment blanks, and one (1) laboratory-supplied trip blank sample during each event. Samples were submitted for analysis of VOCs via the United States (U.S.) Environmental Protection Agency (EPA) SW-846 Method 8260.

3.0 SOIL GAS DELINEATION FOR VAPOR INTRUSION ASSESSMENT

As previously reported, EnviroForensics has been unable to obtain access to conduct a paired vapor intrusion assessment at 25 S 16th Street. At IDEM's direction, EnviroForensics installed a shallow soil gas point in the right of way south of the Site to better characterize the potential risk of exposure via vapor intrusion.

3.1 Soil Gas Point Installation and Sampling

On March 18, 2024, one (1) soil gas monitoring point (SG-10) was installed south of the Site in the location depicted on **Figure 2a**. The shallow monitoring point was installed approximately 5 feet bgs within the upper cohesive clay unit with the intent of delineating the shallow soil gas plume south of former monitoring point SG-2.

A hand auger boring was advanced to approximately 5 feet bgs and the monitoring point was installed at the base of the boring using a 6-inch long stainless steel wire screen implant and ¼-inch Teflon™-lined polyethylene tubing attached to the implant and extended to the surface. A sand pack consisting of #5 washed quartz sand was placed around the implant screen in the open borehole to a depth of approximately 6 inches above the screened interval. The remaining annular space interval was then filled with hydrated medium bentonite chips to surface grade. The soil gas point was developed by purging three (3) times the volume of air in the sand pack surrounding the screen. The boring log is included as **Appendix 3**.

On March 20, 2024, one (1) soil gas sample and one (1) duplicate were collected from SG-10 in accordance with the procedures outlined in **Appendix 1** and submitted for laboratory analysis of VOCs via U.S. EPA Method TO-15. Field sampling forms are provided as **Appendix 2**.

4.0 RESULTS

This section summarizes the results from groundwater and vapor sampling conducted in December 2023 and March 2024. The analytical results were compared to the applicable screening levels in Table A-6 of the IDEM RCG.

4.1 Groundwater

4.1.1 Hydrologic Results

Historical depth-to-water measurements and static water level elevations are provided in **Table 1**. A potentiometric surface map depicting gauging data from the March 2024 monitoring event is provided as **Figure 3**. The groundwater flow direction is to the west towards the Wabash River, which is consistent with historical gauging events.

4.1.2 Groundwater Analytical Results

Historical monitoring well sampling results are summarized in **Table 2**, and recent results from the second quarter of 2023 to the first quarter of 2024 are depicted on **Figure 4**. Laboratory analytical reports are provided as **Appendix 4**. QA/QC results and conclusions are summarized in **Appendix 5.**

PCE was detected at concentrations exceeding the IDEM's RCG Groundwater Screening Level (GWSL) of 5 micrograms per liter (µg/L) in four (4) monitoring wells in samples collected during the fourth quarter of 2023 and the first quarter of 2024:

Monitoring Well	4Q23	1Q24
MW-10	8.72 µg/L	5.97 µg/L
MW-11	18.1 µg/L	9.34 µg/L
MW-13	7.21 µg/L	5.60 µg/L
MW-17	6.10 µg/L	5.03 µg/L

VOCs were not detected at concentrations exceeding IDEM RCG GWSL in remaining samples collected during these events.

4.2 Soil Gas

VOCs were not detected above laboratory reporting limits in the sample collected from SG-10. Historical soil gas sample analytical results are summarized on **Table 3**. Results are depicted on **Figure 2a** and **Figure 2b** for samples collected in the upper cohesive unit and underlying sandy unit, respectively. The laboratory analytical report is provided as **Appendix 4**. QA/QC results and conclusions are summarized in **Appendix 5**.

5.0 CONCEPTUAL SITE MODEL

Based upon results from the most recent sampling activities, EnviroForensics has updated the Conceptual Site Model (CSM) to more accurately reflect the potential for exposure to vapor and dissolved phase contamination originating from the Site.

5.1 Vapor

As discussed in the *Remediation Completion Report and Closure Plan* dated June 9, 2022, the *Downgradient Groundwater and Near Source Vapor Investigation Summary* dated December 6, 2023, and multiple responses to IDEM comments, onsite remedial action has sufficiently reduced the potential for contaminant mass loading to the vapor phase, addressing exposure pathways previously identified as complete or having potential to become complete.

The updated Vapor Intrusion CSM, which takes into account historical paired vapor intrusion assessments and soil gas sampling results, is summarized on **Figure 5**. EnviroForensics requests IDEM's concurrence that soil gas is delineated and all potentially affected properties have been addressed. Therefore, no further evaluation of the vapor intrusion exposure pathway is necessary.

5.2 Groundwater

Dissolved phase VOC impacts originating from the Site have been delineated. Concentrations of PCE continue to decrease in post-remedial samples collected from source area and near-source wells. VOCs have been below detection limits for four (4) consecutive quarters at MW-6, located immediately downgradient from the former source area along the plume centerline. VOCs have also been below detection limits for two (2) consecutive quarters at MW-8, located approximately 300 feet downgradient from MW-6 on the plume centerline. PCE concentrations remain stable or decreasing in downgradient wells (MW-10, MW-11, and MW-13).

After four (4) consecutive quarters of groundwater monitoring, PCE has not detected in two (2) of the delineation wells (MW-15 and MW-16) installed on North 9th Street, approximately 0.65 miles downgradient from the Site and approximately 500 feet west of a former railyard. PCE has been detected in samples collected from MW-17 at concentrations ranging from 5.05 µg/L to 6.61 µg/L, slightly above the IDEM RCG tap water screening level of 5.0 µg/L.

In accordance with the IDEM RCG, EnviroForensics conducted Mann-Kendall trend analysis using the U.S. EPA's ProUCL software. Detailed Mann-Kendall analytical results from ProUCL are provided as **Appendix I**. The analysis uses results from post-remedial sampling events for onsite and downgradient wells where samples historically contained PCE at concentrations

exceeding laboratory detection limits (MW-1, MW-6 through MW-11, and MW-13). Results are summarized in **Table 8**.

As expected, concentrations of PCE are stable or decreasing. PCE concentration reductions were first observed in wells closest to the treatment areas and later in downgradient wells. This supports the conclusion that most of the source area contaminant mass has been removed and there is limited contaminant mass available for loading to the dissolved phase plume, therefore, concentrations of PCE are expected to continue decreasing over time. The current CSM indicates the residual groundwater impacts have minimal potential for completed exposure pathways for onsite and offsite receptors.

6.0 CONCLUSIONS

Additional sampling was conducted in 4Q23 and 1Q24 to address the remaining data gaps presented by IDEM. Offsite vapor intrusion assessment and soil gas sampling have provided lines of evidence to confidently conclude there is no unacceptable risk associated with exposure via vapor intrusion. Though the dissolved phase contaminant plume has migrated offsite, the plume is delineated and there are no currently completed exposure pathways. EnviroForensics has completed four (4) consecutive quarters of groundwater monitoring to provide seasonal variability and plume stability data. The plume is continuing to attenuate following source area remediation, as evidenced by the repeated lack of PCE detections in near-source wells.

EnviroForensics requests IDEM's concurrence that offsite contamination has been sufficiently delineated and characterized. Per Section 6.3.1.5 of the *Remediation Work Plan* dated January 13, 2014, institutional controls will be necessary to manage limited risk associated with the dissolved phase plume and ensure the groundwater exposure pathway remains incomplete. Due to the number of parcels potentially requiring institutional controls, EnviroForensics proposes implementing a Long-Term Stewardship (LTS) Plan consisting of groundwater monitoring and a review of municipal water service records to ensure the groundwater ingestion pathway remains incomplete while the plume continues to attenuate and downgradient concentrations decrease. EnviroForensics proposed to prepare and submit a *Remediation Work Plan Addendum* outlining the LTS Plan, including a groundwater monitoring plan and financial assurance mechanism.

We appreciate your review of this *Groundwater Monitoring and Soil Gas Delineation Report*. If you have any questions regarding the information presented in this document, please contact the undersigned at your convenience.

Sincerely,

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TABLES

FIGURES

APPENDICES

Tables

TABLE 1
SUMMARY OF STATIC WATER LEVEL DATA
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-1	14 - 24	489.04	9/21/2011	19.34	469.70
			1/17/2013	DRY	
			3/7/2013	DRY	
			4/18/2013	DRY	
			5/8/2013	22.05	466.99
			5/28/2013	20.81	468.23
			9/26/2013	20.90	468.14
			12/23/2013	22.53	466.51
			3/24/2014	21.97	467.07
			6/9/2014	20.18	468.86
			9/4/2014	20.99	468.05
			12/3/2014	21.13	467.91
			6/29/2015	20.37	468.67
			11/10/2015	21.22	467.82
			4/28/2016	20.99	468.05
			12/29/2016	22.40	466.64
			9/27/2017	20.47	468.57
			5/7/2018	19.61	469.43
			7/9/2018	20.12	468.92
			10/8/2018	21.02	468.02
			1/9/2019	20.97	468.07
			4/3/2019	18.87	470.17
			9/23/2019	18.86	470.18
			12/16/2019	20.63	468.41
			3/9/2020	19.10	469.94
			6/28/2023	DRY	
			9/19/2023	DRY	
			12/6/2023	DRY	
MW-2	14 - 24	489.81	7/18/2011	17.95	471.86
			9/21/2011	20.02	469.79
			1/17/2013	DRY	
			3/7/2013	DRY	
			4/18/2013	DRY	
			5/8/2013	21.84	467.97
			5/28/2013	21.55	468.26
			9/26/2013	21.60	468.21
			12/23/2013	23.22	466.59
			3/24/2014	22.66	467.15
			6/9/2014	20.88	468.93
			9/4/2014	21.64	468.17
			12/3/2014	21.84	467.97
			6/29/2015	21.08	468.73
			11/10/2015	21.99	467.82
			4/28/2016	21.70	468.11
			12/29/2016	23.10	466.71
			9/27/2017	20.19	469.62
			5/7/2018	20.33	469.48
			7/9/2018	20.83	468.98
			10/8/2018	21.71	468.10
			1/9/2019	21.67	468.14
			4/3/2019	19.59	470.22
			9/23/2019	19.55	470.26
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	Not Gauged	
			9/19/2023	Not Gauged	
			12/6/2023	23.34	466.47
			3/18/2024	23.43	466.38

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Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-3	14 - 24	488.19	7/18/2011	16.80	471.39
			9/21/2011	18.28	469.91
			1/17/2013	DRY	
			3/7/2013	DRY	
			4/18/2013	DRY	
			5/8/2013	21.02	467.17
			5/28/2013	19.88	468.31
			9/26/2013	19.77	468.42
			12/23/2013	21.46	466.73
			3/24/2014	20.94	467.25
			6/9/2014	19.12	469.07
			9/4/2014	19.85	468.34
			12/3/2014	20.03	468.16
			6/29/2015	19.31	468.88
			11/10/2015	20.09	468.10
			4/28/2016	19.94	468.25
			12/29/2016	21.30	466.89
			9/27/2017	18.37	469.82
			5/7/2018	18.60	469.59
			7/9/2018	19.08	469.11
			10/8/2018	19.96	468.23
			1/9/2019	19.92	468.27
			4/3/2019	17.87	470.32
			9/23/2019	17.74	470.45
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	Not Gauged	
			9/19/2023	Not Gauged	
			12/6/2023	22.82	464.92
			3/18/2024	22.94	465.25
MW-4	10 - 20	488.26	7/18/2011	16.31	471.95
			9/21/2011	18.38	469.88
			1/17/2013	DRY	
			3/7/2013	DRY	
			4/18/2013	DRY	
			5/8/2013	DRY	
			5/28/2013	DRY	
			9/26/2013	DRY	
			12/23/2013	DRY	
			3/24/2014	DRY	
			6/9/2014	19.22	469.04
			9/4/2014	DRY	
			12/3/2014	DRY	
			6/29/2015	19.44	468.82
			11/10/2015	DRY	
			4/27/2016	DRY	
			5/7/2018	18.73	469.53
			7/9/2018	19.25	469.01
			10/8/2018	DRY	
			1/9/2019	DRY	
			4/3/2019	18.01	470.25
			9/23/2019	Not Gauged	
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	DRY	
			9/19/2023	DRY	
			12/6/2023	DRY	
			3/18/2024	18.32	469.94

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Terre Haute, IN
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Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-5	14 - 24	488.73	7/18/2011	16.84	471.89
			9/21/2011	19.02	469.71
			1/17/2013	DRY	
			3/7/2013	DRY	
			4/18/2013	DRY	
			5/8/2011	21.70	467.03
			5/28/2013	20.53	468.20
			9/26/2013	20.58	468.15
			12/23/2013	22.19	466.54
			3/24/2014	21.65	467.08
			6/9/2014	19.83	468.90
			9/4/2014	20.60	468.13
			12/3/2014	20.79	467.94
			6/29/2015	20.02	468.71
			11/10/2015	20.91	467.82
			4/28/2016	20.83	467.90
			12/29/2016	22.05	466.68
			9/27/2017	19.12	469.61
			5/7/2018	19.29	469.44
			7/9/2018	19.82	468.91
			10/8/2018	20.68	468.05
			1/9/2019	20.64	468.09
			4/3/2019	18.56	470.17
			9/23/2019	18.54	470.19
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	Not Gauged	
			9/19/2023	Not Gauged	
			12/6/2023	23.01	465.72
			3/18/2024	23.09	465.64
MW-6	22 - 32	489.83	1/17/2013	25.12	464.71
			3/7/2013	24.53	465.30
			4/18/2013	24.02	465.81
			5/8/2013	22.60	467.23
			5/28/2013	21.56	468.27
			9/26/2013	21.65	468.18
			12/23/2013	23.24	466.59
			3/24/2014	22.75	467.08
			6/9/2014	20.92	468.91
			9/4/2014	21.66	468.17
			12/3/2014	21.86	467.97
			6/29/2015	21.11	468.72
			11/10/2015	21.94	467.89
			4/28/2016	21.72	468.11
			12/29/2016	23.12	466.71
			9/27/2017	20.21	469.62
			5/7/2018	20.36	469.47
			7/9/2018	20.88	468.95
			10/8/2018	21.76	468.07
			1/9/2019	21.72	468.11
			4/3/2019	19.65	470.18
			9/23/2019	19.60	470.23
			12/16/2019	21.34	468.49
			3/9/2020	19.83	470.00
			6/28/2023	23.82	466.01
			9/19/2023	27.60	462.23
			12/6/2023	27.60	462.23
			3/18/1934	26.42	463.41

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Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-7	22 - 32	489.37	1/17/2013	24.79	464.58
			3/7/2013	24.15	465.22
			4/18/2013	23.66	465.71
			5/8/2013	22.40	466.97
			5/28/2013	21.21	468.16
			9/26/2013	21.30	468.07
			12/23/2013	22.90	466.47
			3/24/2014	22.37	467.00
			6/9/2014	20.56	468.81
			9/4/2014	21.33	468.04
			12/3/2014	21.51	467.86
			6/29/2015	20.75	468.62
			11/10/2015	21.61	467.76
			4/28/2016	21.35	468.02
			12/29/2016	22.80	466.57
			9/27/2017	19.86	469.51
			5/7/2018	19.99	469.38
			7/9/2018	20.50	468.87
			10/8/2018	21.42	467.95
			1/9/2019	21.35	468.02
			4/3/2019	19.28	470.09
			9/23/2019	19.24	470.13
			12/16/2019	Not Gauged - Inaccessible	
			3/9/2020	Not Gauged - Inaccessible	
			6/28/2023	Not Gauged - Inaccessible	
			9/19/2023	Not Gauged - Inaccessible	
			12/6/2023	Not Gauged - Inaccessible	
			3/18/2024	Not Gauged - Inaccessible	
MW-8	22 - 32	490.01	1/17/2013	25.31	464.70
			3/7/2013	24.86	465.15
			4/18/2013	24.37	465.64
			5/8/2013	23.10	466.91
			5/28/2013	21.92	468.09
			9/26/2013	21.99	468.02
			12/23/2013	23.65	466.36
			3/24/2014	23.09	466.92
			6/9/2014	21.31	468.70
			9/4/2014	22.05	467.96
			12/3/2014	22.26	467.75
			6/29/2015	21.47	468.54
			11/10/2015	22.34	467.67
			4/28/2016	22.07	467.94
			12/29/2016	23.50	466.51
			9/27/2017	20.60	469.41
			5/7/2018	20.70	469.31
			7/9/2018	21.25	468.76
			10/8/2018	22.14	467.87
			1/9/2019	22.08	467.93
			4/3/2019	19.97	470.04
			9/23/2019	20.01	470.00
			12/16/2019	21.76	468.25
			3/9/2020	20.21	469.80
			6/28/2023	24.20	465.81
			9/19/2023	25.41	464.60
			12/6/2023	26.44	463.57
			3/18/2024	26.81	463.20

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Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-9	22 - 32	489.61	9/26/2013	22.23	467.38
			12/23/2013	23.90	465.71
			3/24/2014	23.20	466.41
			6/9/2014	21.35	468.26
			9/4/2014	22.30	467.31
			12/3/2014	22.46	467.15
			6/29/2015	21.55	468.06
			11/10/2015	22.57	467.04
			4/28/2016	22.13	467.48
			12/29/2016	23.70	465.91
			9/27/2017	20.84	468.77
			5/7/2018	20.73	468.88
			7/9/2018	21.40	468.21
			10/8/2018	22.33	467.28
			1/9/2019	22.19	467.42
			4/3/2019	20.05	469.56
			9/23/2019	20.34	469.27
			12/16/2019	22.16	467.45
			3/9/2020	20.35	469.26
			6/28/2023	24.36	465.25
			9/19/2023	25.81	463.80
			12/6/2023	26.46	463.15
			3/18/2024	26.93	462.68
MW-10	22 - 32	489.80	9/26/2013	22.42	467.38
			12/23/2013	24.13	465.67
			3/24/2014	23.35	466.45
			6/9/2014	21.54	468.26
			9/4/2014	22.47	467.33
			12/3/2014	22.62	467.18
			6/29/2015	21.74	468.06
			11/10/2015	22.75	467.05
			4/28/2016	22.32	467.48
			12/29/2016	23.95	465.85
			9/27/2017	21.03	468.77
			5/7/2018	20.93	468.87
			7/9/2018	21.58	468.22
			10/8/2018	22.53	467.27
			1/9/2019	22.40	467.40
			4/3/2019	20.22	469.58
			9/23/2019	20.52	469.28
			12/16/2019	22.25	467.55
			3/9/2020	20.50	469.30
			6/28/2023	24.54	465.26
			9/19/2023	25.81	463.99
			12/6/2023	26.82	462.98
			3/18/2024	27.01	462.79
MW-11	22 - 32	489.78	9/26/2013	22.06	467.72
			12/23/2013	23.69	466.09
			3/24/2014	23.05	466.73
			6/9/2014	21.24	468.54
			9/4/2014	22.10	467.68
			12/3/2014	22.27	467.51
			6/29/2015	21.44	468.34
			11/10/2015	22.50	467.28
			4/28/2016	22.01	467.77
			12/29/2016	23.80	465.98
			9/27/2017	20.63	469.15
			5/7/2018	20.64	469.14
			7/9/2018	21.24	468.54
			10/8/2018	22.15	467.63
			1/9/2019	22.06	467.72
			4/3/2019	19.95	469.83
			9/23/2019	20.08	469.70
			12/16/2019	21.82	467.96
			3/9/2020	20.20	469.58
			6/28/2023	24.21	465.57
			9/19/2023	25.42	464.36
			12/6/2023	26.48	463.30
			3/18/2024	26.77	463.01

TABLE 1
SUMMARY OF STATIC WATER LEVEL DATA
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Screened Interval (ft. bgs)	TOC Elevation	Date of Gauging	Depth to Water	Water Level Elevation (ft. AMSL)
MW-12	22 - 32	489.14	9/26/2013	20.79	468.35
			12/23/2013	22.43	466.71
			3/24/2014	21.94	467.20
			6/9/2014	20.14	469.00
			9/4/2014	20.83	468.31
			12/3/2014	21.03	468.11
			6/29/2015	20.30	468.84
			11/10/2015	21.15	467.99
			4/28/2016	20.92	468.22
			12/29/2016	22.35	466.79
			9/27/2017	19.36	469.78
			5/7/2018	19.57	469.57
			7/9/2018	20.06	469.08
			10/8/2018	20.94	468.20
			1/9/2019	20.90	468.24
			4/3/2019	18.86	470.28
			9/23/2019	18.75	470.39
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	Not Gauged	
			9/19/2023	Not Gauged	
			12/6/2023	24.23	464.91
			3/18/2024	25.61	463.53
MW-13	26-36	489.99	6/9/2014	22.72	467.27
			9/4/2014	23.93	466.06
			12/3/2014	23.99	466.00
			6/29/2015	22.85	467.14
			11/10/2015	24.19	465.80
			4/28/2016	23.44	466.55
			12/29/2016	25.30	464.69
			9/27/2017	22.49	467.50
			5/7/2018	22.03	467.96
			7/9/2018	22.85	467.14
			10/8/2018	24.17	465.82
			1/9/2019	23.62	466.37
			4/3/2019	21.34	468.65
			9/23/2019	22.11	467.88
			12/16/2019	23.75	466.24
			3/9/2020	21.74	468.25
			6/28/2023	25.87	464.12
			9/19/2023	27.18	462.81
			12/6/2023	28.21	461.78
			3/18/2024	28.14	461.85
MW-14	26-36	490.30	6/9/2014	23.02	467.28
			9/4/2014	24.18	466.12
			12/3/2014	24.25	466.05
			6/29/2015	23.13	467.17
			11/10/2015	24.44	465.86
			4/28/2016	23.72	466.58
			12/29/2016	25.60	464.70
			9/27/2017	22.76	467.54
			5/7/2018	22.31	467.99
			7/9/2018	23.13	467.17
			10/8/2018	23.91	466.39
			1/9/2019	23.90	466.40
			4/3/2019	21.64	468.66
			9/23/2019	22.36	467.94
			12/16/2019	Not Gauged	
			3/9/2020	Not Gauged	
			6/28/2023	Not Gauged	
			9/19/2023	Not Gauged	
			12/6/2023	27.49	462.81
			3/18/2024	28.44	461.86
MW-15	34-44	496.95	6/28/2023	35.11	461.84
			9/19/2023	38.98	457.97
			12/6/2023	37.41	459.54
			3/18/2024	36.66	460.29
MW-16	34-44	495.45	6/28/2023	33.61	461.84
			9/19/2023	37.49	457.96
			12/6/2023	35.85	459.60
			3/18/2024	35.16	460.29
MW-17	34-44	495.15	6/28/2023	33.18	461.97
			9/19/2023	37.05	458.10
			12/6/2023	35.43	459.72
			3/18/2024	34.79	460.36

NOTES:
Values are reported in feet
ft. = feet
bgs = below ground surface
AMSL = above mean sea level
TOC = top of casing
Monitoring wells are 2-inch diameter PVC with 0.010 slotted screen

TABLE 2

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-1	14-24	7/18/11	**25.5**	<5	<5	<5	<2
		1/17/13	NS				
		9/27/13	**35.5**	<5	<5	<5	<2
		12/24/13	**13.0**	<5	<5	<5	<2
		3/24/14	**11.0**	<5	<5	<5	<2
		6/11/14	**19.6**	<5	<5	<5	<2
		9/4/14	**34.3**	<5	<5	<5	<2
		12/4/14	**26.8**	<5	<5	<5	<2
		6/30/15	**39.8**	<5	<5	<5	<2
		11/11/15	**48.4**	<5	<5	<5	<2
		4/29/16	**35.1**	<5	<5	<5	<2
		12/29/16	NS				
		9/28/17	**92.3**	<5	<5	<5	<2
		5/8/18	**12.7**	<5	<5	<5	<2
		7/9/18	**15.0**	<5	<5	<5	<2
		10/9/18	**55.5**	<5	<5	<5	<2
		1/10/19	**39.8**	<5	<5	<5	<2
		4/4/19	**39.4**	<5	<5	<5	<2
		9/24/19	**42.7**	<5	<5	<5	<2
		12/18/19	**35.6**	<5	<5	<5	<2
		3/10/20	**33.9**	<5	<5	<5	<2
		3/10/20*	**39.7**	<5	<5	<5	<2
		6/28/23	Dry				
		9/19/23	Dry				
		12/6/23	Dry				
		3/19/24	Dry				
MW-2	14-24	7/18/11	**68.4**	<5	<5	<5	<2
		7/18/11*	**64.5**	<5	<5	<5	<2
		1/17/13	NS				
		9/27/13	**51.6**	<5	<5	<5	<2
		9/27/13*	**53.1**	<5	<5	<5	<2
		12/24/13	NS				
		3/24/14	**36.4**	<5	<5	<5	<2
		6/12/14	**45.5**	<5	<5	<5	<2
		9/5/14	**39.1**	<5	<5	<5	<2
		12/4/14	**26.5**	<5	<5	<5	<2
		6/30/15	**32.5**	<5	<5	<5	<2
		11/11/15	**28.5**	<5	<5	<5	<2
		4/29/16	**25.9**	<5	<5	<5	<2
		12/30/16	**14.3**	<5	<5	<5	<2
		9/29/17	**32.8**	<5	<5	<5	<2
		5/7/18	<5	<5	<5	<5	<2
		7/9/18	<5	<5	<5	<5	<2
		10/8/18	<5	<5	<5	<5	<2
		1/9/19	<5	<5	<5	<5	<2
		4/4/19	<5	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				

TABLE 2
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-3	14-24	7/18/11	<5	<5	<5	<5	<2
		1/17/13	NS				
		9/26/13	<5	<5	<5	<5	<2
		12/23/13	<5	<5	<5	<5	<2
		3/24/14	<5	<5	<5	<5	<2
		6/11/14	<5	<5	<5	<5	<2
		9/4/14	<5	<5	<5	<5	<2
		12/4/14	<5	<5	<5	<5	<2
		6/29/15	<5	<5	<5	<5	<2
		11/10/15	<5	<5	<5	<5	<2
		4/28/16	<5	<5	<5	<5	<2
		12/29/16	<5	<5	<5	<5	<2
		9/28/17	NS				
		5/8/18	<5	<5	<5	<5	<2
		7/9/18	NS				
		10/9/18	NS				
		1/9/19	NS				
		4/4/19	<5	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				
MW-4	10-20	7/18/11	<5	<5	<5	<5	<2
		1/17/13	Dry				
		9/26/13	Dry				
		12/23/13	Dry				
		3/24/14	Dry				
		6/10/14	**38.9**	<5	<5	<5	<2
		9/4/14	Dry				
		12/4/14	Dry				
		6/29/15	Dry				
		11/10/15	Dry				
		4/28/16	Dry				
		12/29/16	NS				
		9/28/17	NS				
		5/7/18	**6.32**	<5	<5	<5	<2
		7/10/18	**6.31**	<5	<5	<5	<2
		10/9/18	Dry				
		1/9/19	Dry				
		4/4/19	**5.11**	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	Dry				
		9/19/23	Dry				
		12/6/23	Dry				
		3/19/24	<5	<5	<5	<5	<2

TABLE 2

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-5	14-24	7/18/11	<5	<5	<5	<5	<2
		1/17/13	NS				
		9/26/13	<5	<5	<5	<5	<2
		12/23/13	<5	<5	<5	<5	<2
		3/24/14	<5	<5	<5	<5	<2
		6/10/14	<5	<5	<5	<5	<2
		9/4/14	<5	<5	<5	<5	<2
		12/4/14	<5	<5	<5	<5	<2
		6/29/15	<5	<5	<5	<5	<2
		11/10/15	<5	<5	<5	<5	<2
		4/28/16	<5	<5	<5	<5	<2
		12/30/16	<5	<5	<5	<5	<2
		9/28/17	NS				
		5/9/18	<5	<5	<5	<5	<2
		7/9/18	NS				
		10/9/18	NS				
		1/9/19	NS				
		4/4/19	<5	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				
MW-6	22-32	1/17/13	**6.66**	<5	<5	<5	<2
		9/27/13	**110**	<5	<5	<5	<2
		12/24/13	**11.9**	<5	<5	<5	<2
		12/24/13*	**10.9**	<5	<5	<5	<2
		3/25/14	**13.9**	<5	<5	<5	<2
		6/11/14	**62.8**	<5	<5	<5	<2
		9/5/14	**102**	<5	<5	<5	<2
		9/05/14*	**98.9**	<5	<5	<5	<2
		12/5/14	**68.3**	<5	<5	<5	<2
		12/05/14*	**76.0**	<5	<5	<5	<2
		6/30/15	**111**	<5	<5	<5	<2
		6/30/15*	**110**	<5	<5	<5	<2
		11/11/15	**7.44**	<5	<5	<5	<2
		11/11/15*	**8.08**	<5	<5	<5	<2
		4/28/16	**33.5**	<5	<5	<5	<2
		4/28/16*	**37.2**	<5	<5	<5	<2
		12/29/16	**10.8**	<5	<5	<5	<2
		9/29/17	**170**	<5	<5	<5	<2
		9/29/17*	**171**	<5	<5	<5	<2
		5/8/18	<5	<5	<5	<5	<2
		5/8/18*	<5	<5	<5	<5	<2
		7/10/18	**10.6**	<5	<5	<5	<2
		7/10/18*	**9.43**	<5	<5	<5	<2
		10/9/18	**9.84**	<5	<5	<5	<2
		1/9/19	**5.30**	<5	<5	<5	<2
		4/4/19	**8.52**	<5	<5	<5	<2
		9/24/19	**12.2**	<5	<5	<5	<2
		12/17/19	**11.1**	<5	<5	<5	<2
		3/10/20	**13.8**	<5	<5	<5	<2
		6/29/23	<5	<5	<5	<5	<2
		9/20/23	<5	<5	<5	<5	<2
		12/6/23	<5	<5	<5	<5	<2
		3/20/24	<5	<5	<5	<5	<2

TABLE 2

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-7	22-32	1/17/13	**14.6**	<5	<5	<5	<2
		9/27/13	**21.0**	<5	<5	<5	<2
		12/23/13	**18.5**	<5	<5	<5	<2
		3/25/14	**13.9**	<5	<5	<5	<2
		6/12/14	**10.9**	<5	<5	<5	<2
		9/4/14	**21.4**	<5	<5	<5	<2
		12/4/14	**13.8**	<5	<5	<5	<2
		6/29/15	**16.6**	<5	<5	<5	<2
		11/11/15	**15.0**	<5	<5	<5	<2
		4/29/16	**11.8**	<5	<5	<5	<2
		12/30/16	**10.3**	<5	<5	<5	<2
		9/28/17	NS				
		5/8/18	**10.2**	<5	<5	<5	<2
		7/9/18	**14.9**	<5	<5	<5	<2
		10/9/18	**13.8**	<5	<5	<5	<2
		1/10/19	**12.4**	<5	<5	<5	<2
		4/4/19	**10.2**	<5	<5	<5	<2
		9/23/19	**9.58**	<5	<5	<5	<2
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				
MW-8	22-32	1/17/13	**34.3**	<5	<5	<5	<2
		1/17/13*	**29.9**	<5	<5	<5	<2
		9/26/13	**42.9**	<5	<5	<5	<2
		12/23/13	**31.3**	<5	<5	<5	<2
		3/25/14	**19.1**	<5	<5	<5	<2
		6/12/14	**26.1**	<5	<5	<5	<2
		9/5/14	**39.2**	<5	<5	<5	<2
		12/5/14	**19.6**	<5	<5	<5	<2
		6/29/15	**32.0**	<5	<5	<5	<2
		11/11/15	**20.0**	<5	<5	<5	<2
		4/29/16	**27.7**	<5	<5	<5	<2
		12/30/16	**30.7**	<5	<5	<5	<2
		12/30/16*	**30.1**	<5	<5	<5	<2
		9/28/17	**47.7**	<5	<5	<5	<2
		5/8/18	**31.8**	<5	<5	<5	<2
		7/10/18	**52.2**	<5	<5	<5	<2
		10/9/18	**41.4**	<5	<5	<5	<2
		1/10/19	**40.4**	<5	<5	<5	<2
		4/4/19	**30.1**	<5	<5	<5	<2
		9/24/19	**23.1**	<5	<5	<5	<2
		12/18/19	**33.6**	<5	<5	<5	<2
		3/10/20	**39.9**	<5	<5	<5	<2
		7/3/23	**7.60**	<5	<5	<5	<2
		9/20/23	**7.02**	<5	<5	<5	<2
		12/6/23	<5	<5	<5	<5	<2
		3/20/24	<5	<5	<5	<5	<2

TABLE 2
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-9	22-32	9/26/13	**9.45**	<5	<5	<5	<2
		12/23/13	**6.11**	<5	<5	<5	<2
		3/24/14	**5.77**	<5	<5	<5	<2
		6/11/14	**8.02**	<5	<5	<5	<2
		9/4/14	**8.91**	<5	<5	<5	<2
		12/4/14	**5.18**	<5	<5	<5	<2
		6/29/15	**7.13**	<5	<5	<5	<2
		11/10/15	**6.93**	<5	<5	<5	<2
		4/28/16	**6.19**	<5	<5	<5	<2
		12/30/16	**5.95**	<5	<5	<5	<2
		9/28/17	NS				
		5/9/18	**5.33**	<5	<5	<5	<2
		7/9/18	**6.88**	<5	<5	<5	<2
		10/8/18	**8.02**	<5	<5	<5	<2
		1/10/19	**9.68**	<5	<5	<5	<2
		4/3/19	<5	<5	<5	<5	<2
		9/23/19	<5	<5	<5	<5	<2
		12/17/19	**8.13**	<5	<5	<5	<2
		3/9/20	**9.09**	<5	<5	<5	<2
		6/29/23	<5	<5	<5	<5	<2
		9/20/23	<5	<5	<5	<5	<2
		12/6/23	<5	<5	<5	<5	<2
		3/19/24	<5	<5	<5	<5	<2
MW-10	22-32	9/26/13	**26.0**	<5	<5	<5	<2
		12/23/13	**16.1**	<5	<5	<5	<2
		3/25/14	**13.9**	<5	<5	<5	<2
		6/12/14	**11.7**	<5	<5	<5	<2
		9/5/14	**21.3**	<5	<5	<5	<2
		12/4/14	**13.7**	<5	<5	<5	<2
		6/29/15	**13.4**	<5	<5	<5	<2
		11/11/15	**18.2**	<5	<5	<5	<2
		4/29/16	**13.7**	<5	<5	<5	<2
		12/30/16	**15.2**	<5	<5	<5	<2
		9/28/17	**13.9**	<5	<5	<5	<2
		5/8/18	**14.6**	<5	<5	<5	<2
		7/10/18	**18.9**	<5	<5	<5	<2
		10/9/18	**16.7**	<5	<5	<5	<2
		1/10/19	**16.0**	<5	<5	<5	<2
		4/3/19	**10.2**	<5	<5	<5	<2
		9/23/19	**8.65**	<5	<5	<5	<2
		12/17/19	**13.3**	<5	<5	<5	<2
		3/9/20	**13.9**	<5	<5	<5	<2
		6/29/23	**8.74**	<5	<5	<5	<2
		9/20/23	**6.45**	<5	<5	<5	<2
		12/6/23	**8.72**	<5	<5	<5	<2
		3/19/24	**5.97**	<5	<5	<5	<2

TABLE 2
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-11	22-32	9/26/13	**59.8**	<5	<5	<5	<2
		12/23/13	**45.2**	<5	<5	<5	<2
		3/25/14	**39.5**	<5	<5	<5	<2
		3/25/14*	<5	<5	<5	<5	<2
		6/12/14	**26.2**	<5	<5	<5	<2
		6/12/14*	**27.8**	<5	<5	<5	<2
		9/5/14	**55.8**	<5	<5	<5	<2
		12/5/14	**36.7**	<5	<5	<5	<2
		6/30/15	**42.4**	<5	<5	<5	<2
		11/11/15	**40.4**	<5	<5	<5	<2
		4/29/16	**30.5**	<5	<5	<5	<2
		12/30/16	**28.4**	<5	<5	<5	<2
		9/28/17	**33.2**	<5	<5	<5	<2
		5/9/18	**28.5**	<5	<5	<5	<2
		7/10/18	**32.2**	<5	<5	<5	<2
		10/9/18	**39.0**	<5	<5	<5	<2
		10/9/18*	**40.1**	<5	<5	<5	<2
		1/10/19	**38.9**	<5	<5	<5	<2
		1/10/19*	**39.0**	<5	<5	<5	<2
		4/3/19	**26.9**	<5	<5	<5	<2
		4/3/19*	**28.2**	<5	<5	<5	<2
		9/24/19	**24.6**	<5	<5	<5	<2
		9/24/19*	**22.1**	<5	<5	<5	<2
		12/17/19	**30.7**	<5	<5	<5	<2
		12/17/19*	**33.3**	<5	<5	<5	<2
		3/9/20	**46.0**	<5	<5	<5	<2
		6/28/23	**18.0**	<5	<5	<5	<2
		6/28/23*	**19.3**	<5	<5	<5	<2
		9/20/23	**13.5**	<5	<5	<5	<2
		9/20/23*	**14.0**	<5	<5	<5	<2
		12/6/23	**18.1**	<5	<5	<5	<2
		12/6/23*	**18.4**	<5	<5	<5	<2
		3/20/24	**9.34**	<5	<5	<5	<2
		3/20/24*	**9.25**	<5	<5	<5	<2
MW-12	22-32	9/26/13	<5	<5	<5	<5	<2
		12/23/13	<5	<5	<5	<5	<2
		3/24/14	<5	<5	<5	<5	<2
		6/10/14	<5	<5	<5	<5	<2
		9/4/14	<5	<5	<5	<5	<2
		12/4/14	<5	<5	<5	<5	<2
		6/29/15	<5	<5	<5	<5	<2
		11/10/15	<5	<5	<5	<5	<2
		4/28/16	<5	<5	<5	<5	<2
		12/30/16	<5	<5	<5	<5	<2
		9/28/17	NS				
		5/7/18	<5	<5	<5	<5	<2
		7/9/18	NS				
		10/9/18	NS				
		1/9/19	NS				
		4/4/19	<5	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				

TABLE 2
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
Popoff Cleaners
Terre Haute, IN
Project #6203

Monitoring Well Identification	Monitoring Well Screen Interval	Sample Date	Chlorinated VOCs (µg/L)				
			Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
IDEM Residential Screening Levels for Groundwater			**5**	**5**	**70**	**100**	**2**
MW-13	26-36	6/12/14	**5.71**	<5	<5	<5	<2
		9/4/14	**10.7**	<5	<5	<5	<2
		12/4/14	**8.95**	<5	<5	<5	<2
		6/29/15	**9.87**	<5	<5	<5	<2
		11/11/15	**12.2**	<5	<5	<5	<2
		4/28/16	**12.4**	<5	<5	<5	<2
		12/29/16	**10.1**	<5	<5	<5	<2
		9/28/17	**16.2**	<5	<5	<5	<2
		5/8/18	**13.0**	<5	<5	<5	<2
		7/9/18	**15.5**	<5	<5	<5	<2
		10/8/18	**16.4**	<5	<5	<5	<2
		1/9/19	**15.4**	<5	<5	<5	<2
		4/3/19	**9.75**	<5	<5	<5	<2
		9/23/19	**12.1**	<5	<5	<5	<2
		12/17/19	**16.3**	<5	<5	<5	<2
		3/9/20	**20.2**	<5	<5	<5	<2
		6/28/23	**7.70**	<5	<5	<5	<2
		9/20/23	**6.71**	<5	<5	<5	<2
		12/6/23	**7.21**	<5	<5	<5	<2
		3/19/24	**5.60**	<5	<5	<5	<2
MW-14	26-36	6/12/14	<5	<5	<5	<5	<2
		9/4/14	<5	<5	<5	<5	<2
		12/4/14	<5	<5	<5	<5	<2
		6/29/15	<5	<5	<5	<5	<2
		11/10/15	<5	<5	<5	<5	<2
		4/28/16	<5	<5	<5	<5	<2
		12/29/16	<5	<5	<5	<5	<2
		9/28/17	NS				
		5/8/18	<5	<5	<5	<5	<2
		7/9/18	NS				
		10/9/18	NS				
		1/9/19	NS				
		4/3/19	<5	<5	<5	<5	<2
		9/24/19	NS				
		12/18/19	NS				
		3/10/20	NS				
		6/28/23	NS				
		9/19/23	NS				
		12/6/23	NS				
		3/19/24	NS				
MW-15	34-44	6/28/23	<5	<5	<5	<5	<2
		9/19/23	<5	<5	<5	<5	<2
		12/6/23	<5	<5	<5	<5	<2
		3/19/24	<5	<5	<5	<5	<2
MW-16	34-44	6/28/23	<5	<5	<5	<5	<2
		9/19/23	<5	<5	<5	<5	<2
		12/6/23	<5	<5	<5	<5	<2
		3/19/24	<5	<5	<5	<5	<2
MW-17	34-44	6/28/23	**6.61**	<5	<5	<5	<2
		9/20/23	**5.12**	<5	<5	<5	<2
		12/6/23	**6.10**	<5	<5	<5	<2
		3/19/24	**5.03**	<5	<5	<5	<2

NOTES:
Samples analyzed for volatile organic compounds (VOCs) using the US EPA SW-846 Method 8260
Screening Levels are from the 2022 Table 6 of the IDEM Remediation Closure Guide (RCG)
Results reported in µg/L = micrograms per Liter
Constituents not shown reported below laboratory detection limits
Petroleum based VOCs are not presented in this table as they are not COCs
Bold, Shaded Blue values exceed the IDEM RCG screening levels for groundwater
Red line denotes completion of source area excavation activities (June 2017)
Green line denotes shutdown of onsite SVE system (April 2018)

NS = Not sampled
* = Duplicate sample

TABLE 3

SUMMARY OF SOIL GAS ANALYTICAL RESULTS

Popoff Cleaners

Terre Haute, IN

Project #6203

Sample Location	Depth (ft bgs)	Status	Date Sampled	VOCs (µg/m^3)				
				Tetrachloroethene	Trichloroethene	Vinyl Chloride	Benzene	Chloroform
Shallow Soil Gas Samples (Upper Cohesive Unit)								
Residential Soil Gas Screening Levels - Shallow				**400**	**20**	**20**	**40**	**10**
Commercial Soil Gas Screening Levels - Shallow				**1,000**	**70**	**60**	**100**	**40**
SG-1	4	Pre-Remedy	3/14/2014	**310**	< 10.7	<12.8	< 16.0	<8.30
SG-2*	4.5	Pre-Remedy	3/14/2014	**15,300**	**308**	<12.8	< 16.0	<8.30
			6/10/2014	**125,000**	**1,350**	<12.8	<16.0	<8.30
SG-3	4.5	Pre-Remedy	3/14/2014	**2,530**	**21.0**	<12.8	**26.5**	<8.30
		Post-Remedy	12/17/2018	<31.9	<10.7	<12.8	<16.0	<8.30
SG-4*	2.5	Pre-Remedy	3/14/2014	**1,700**	**11.3**	<12.8	< 16.0	<8.30
MP-10*	3-6	Pre-Remedy	6/10/2014	**2,330,000**	**2,610**	<12.8	<16.0	**199**
MP-20	3-6	Pre-Remedy	6/10/2014	**21,900**	**117**	**38.9**	<31.9	<16.6
		Post-Remedy	12/18/2018	**86,700**	**1,830**	<12.8	<16.0	<8.30
MP-40*	3-6	Pre-Remedy	6/10/2014	**241,000**	**102**	<25.6	<31.9	<16.6
SG-9	5	Post-Remedy	8/18/2023	<31.9	<10.7	<12.8	<16.0	<8.30
			8/18/2023 DUP-1	<31.9	<10.7	<12.8	<16.0	<8.30
SG-10	5	Post-Remedy	3/20/2024	<31.9	<10.7	<12.8	<16.0	<8.30
			3/20/2024 DUP-1	<31.9	<10.7	<12.8	<16.0	<8.30
Deep Soil Gas Samples (Lower Granular Unit)								
Residential Soil Gas Screening Levels - Deep				**2,000**	**90**	**300**	**200**	**50**
Commercial Soil Gas Screening Levels - Deep				**6,000**	**300**	**900**	**500**	**200**
MP-10*	10-13	Pre-Remedy	6/10/2014	**3,890,000**	**1,300**	<25.6	<31.9	<16.6
	16-18		6/10/2014	**849,000**	**462**	<25.6	<31.9	<16.6
MP-20	10-13	Pre-Remedy	6/10/2014	**21,700**	**228**	<25.6	<31.9	<16.6
	16-18		6/10/2014	**71,400**	**485**	<12.8	<16.0	<8.30
MP-40*	10-13	Pre-Remedy	6/10/2014	**108,000**	**41.9**	<25.6	<31.9	<16.6
	16-18		6/10/2014	**74,900**	**89.2**	<25.6	<31.9	<16.6
SG-5	15	During Remedy	8/18/2017	**4,260**	<10.7	<12.8	<16.0	<8.30
		Post-Remedy	5/16/2018	**917**	<10.7	<12.8	<16.0	<8.30
SG-6	15	Pre-Remedy	8/18/2017	**6,020**	<10.7	<12.8	<16.0	<8.30
		Post-Remedy	5/16/2018	**450**	<10.7	<12.8	<16.0	<8.30
SG-7	15	Pre-Remedy	8/18/2017	**51,600**	**126**	<12.8	<16.0	<8.30
		Post-Remedy	5/16/2018	**2,260**	<10.7	<12.8	<16.0	<8.30
			5/16/2018 DUP-1	**2,180**	<10.7	<12.8	<16.0	<8.30
			12/17/2019	**2,280**	<10.7	<12.8	<16.0	<8.30
			12/17/19 DUP-1	**2,150**	<10.7	<12.8	<16.0	<8.30
SG-8	15	During Remedy	8/18/2017	**158**	<10.7	<12.8	<16.0	<8.30
		Post-Remedy	5/16/2018	**151**	<10.7	<12.8	<16.0	<8.30

Notes:

Samples analyzed for VOCs using U.S. EPA Method TO-15

Results reported in micrograms per cubic meter (ug/m^3)

* = Removed during Site building demolition and source area excavation activities

ft bgs = feet below ground surface

Screening levels from Indiana Department of Environmental Management Remediation Closure Guide (RCG)

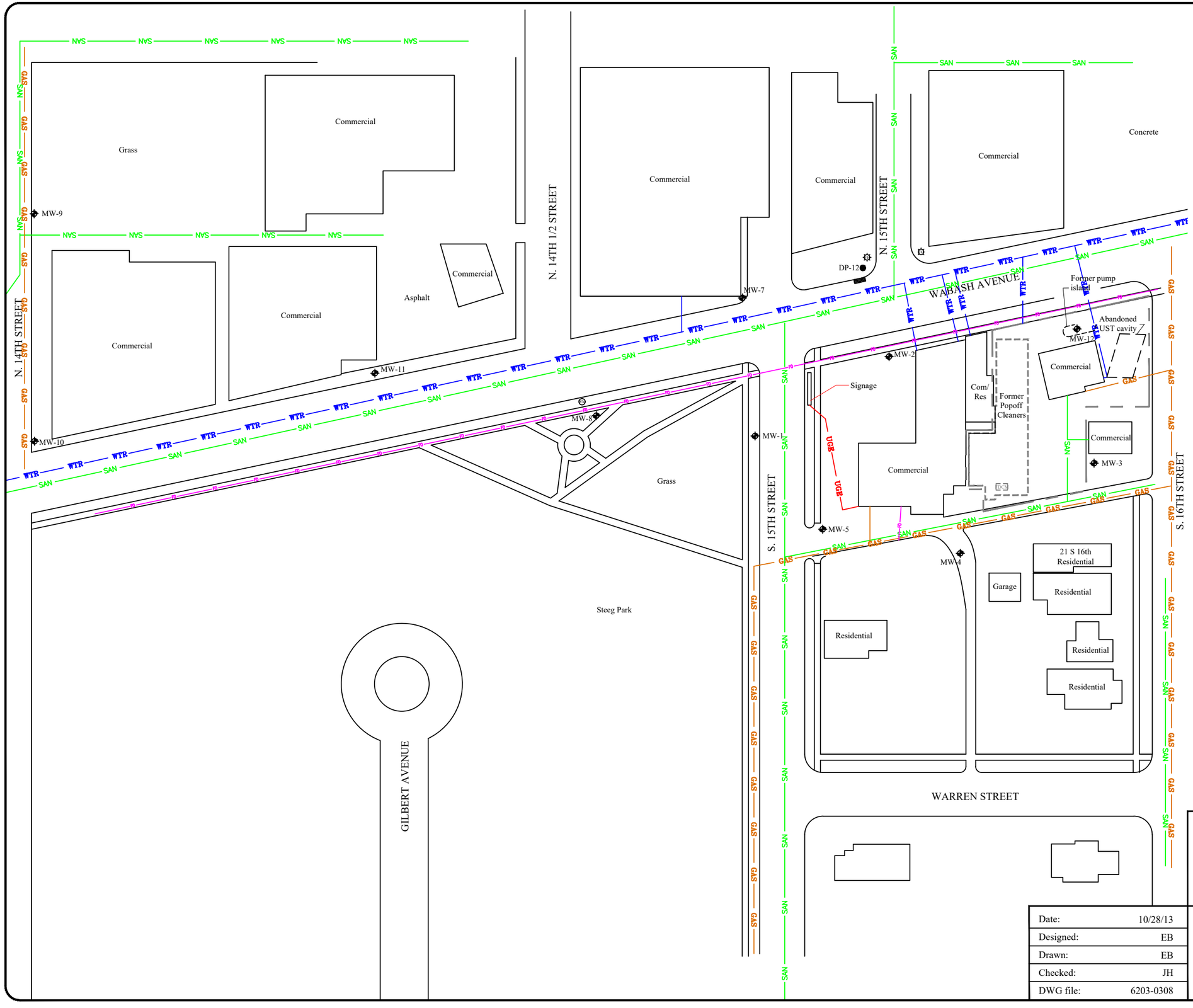
Constituents not shown are below laboratory detection limits

Bolded, concentrations exceed laboratory detection limits

Bolded and blue shaded concentrations exceed the applicable residential soil gas screening level

Bolded and orange shaded concentrations exceed the applicable commercial soil gas screening level

Figures



Legend

- Underground fiber optic line
- Underground gas utility line
- Underground electrical utility line
- Underground water utility line
- Underground sanitary/storm utility line
- Property boundary
- FDCM — Former Dry Cleaning Machine
- MW-1 — Monitoring well sample location

Note:
Previous versions of Site figures depicted a sewer in the alley west of 21 S 16th Street based on information from the City of Terre Haute's GIS. Subsequent field inspections have since determined this sewer does not exist.

N

80 0 20 40 60 80

APPROXIMATE SCALE: 1" = 80'

SITE AND SURROUNDING PROPERTIES

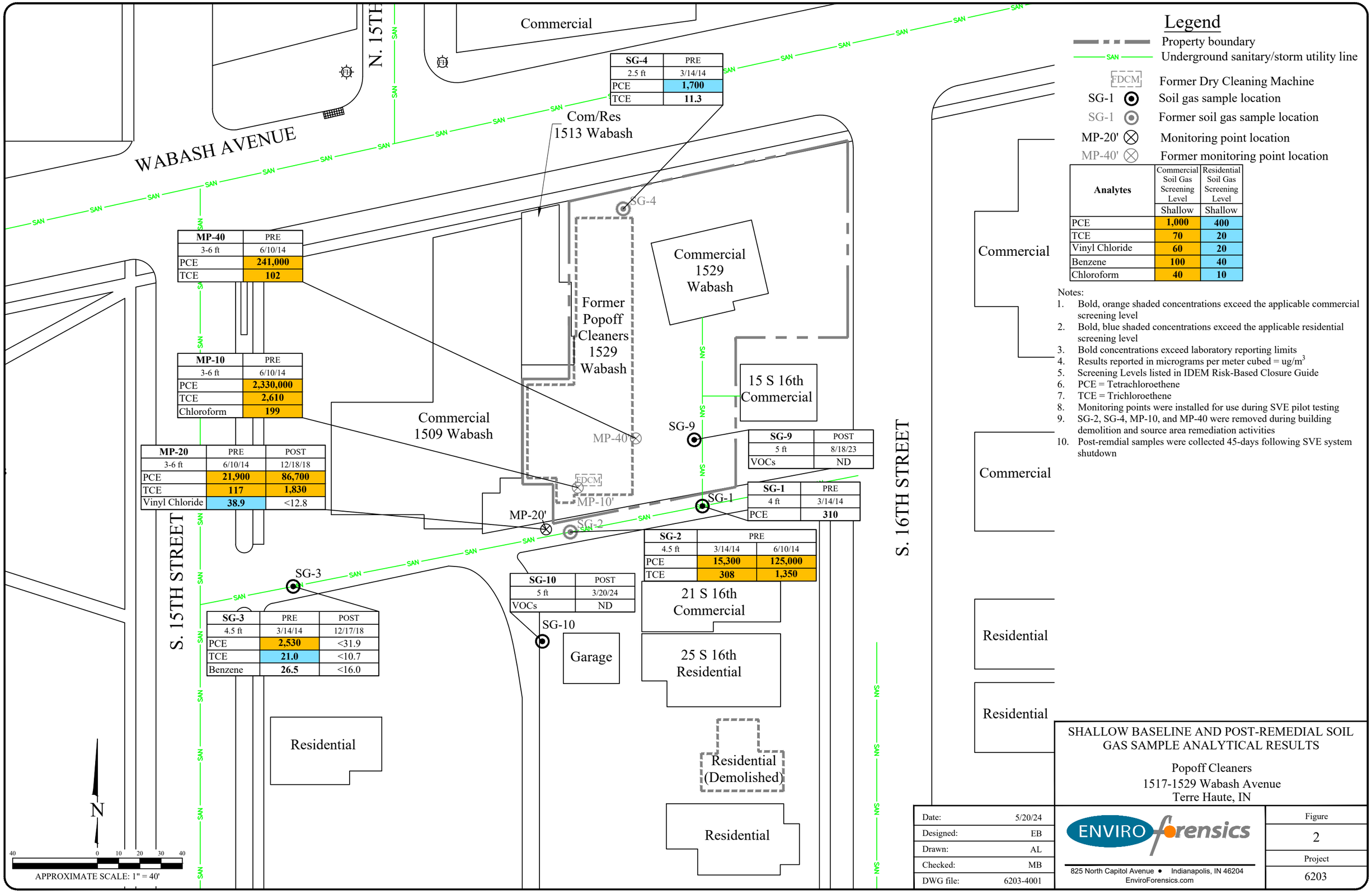
Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, IN

Date:	10/28/13
Designed:	EB
Drawn:	EB
Checked:	JH
DWG file:	6203-0308

ENVIROforensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 1

Project 6203



SG-4	PRE
2.5 ft	3/14/14
PCE	**1,700**
TCE	**11.3**

MP-40	PRE
3-6 ft	6/10/14
PCE	**241,000**
TCE	**102**

MP-10	PRE
3-6 ft	6/10/14
PCE	**2,330,000**
TCE	**2,610**
Chloroform	**199**

MP-20	PRE	POST
3-6 ft	6/10/14	12/18/18
PCE	**21,900**	**86,700**
TCE	**117**	**1,830**
Vinyl Chloride	**38.9**	<12.8

SG-3	PRE	POST
4.5 ft	3/14/14	12/17/18
PCE	**2,530**	<31.9
TCE	**21.0**	<10.7
Benzene	**26.5**	<16.0

SG-9	POST
5 ft	8/18/23
VOCs	ND

SG-1	PRE
4 ft	3/14/14
PCE	**310**

SG-2	PRE	
4.5 ft	3/14/14	6/10/14
PCE	**15,300**	**125,000**
TCE	**308**	**1,350**

SG-10	POST
5 ft	3/20/24
VOCs	ND

Legend

- Property boundary
- SAN — Underground sanitary/storm utility line
- FDCM — Former Dry Cleaning Machine
- SG-1 — Soil gas sample location
- SG-1 — Former soil gas sample location
- MP-20' — Monitoring point location
- MP-40' — Former monitoring point location

Analytes	Commercial Soil Gas Screening Level	Residential Soil Gas Screening Level
	Shallow	Shallow
PCE	**1,000**	**400**
TCE	**70**	**20**
Vinyl Chloride	**60**	**20**
Benzene	**100**	**40**
Chloroform	**40**	**10**

Notes:

1. Bold, orange shaded concentrations exceed the applicable commercial screening level
2. Bold, blue shaded concentrations exceed the applicable residential screening level
3. Bold concentrations exceed laboratory reporting limits
4. Results reported in micrograms per meter cubed = ug/m^3
5. Screening Levels listed in IDEM Risk-Based Closure Guide
6. PCE = Tetrachloroethene
7. TCE = Trichloroethene
8. Monitoring points were installed for use during SVE pilot testing
9. SG-2, SG-4, MP-10, and MP-40 were removed during building demolition and source area remediation activities
10. Post-remdial samples were collected 45-days following SVE system shutdown

SHALLOW BASELINE AND POST-REMEDIAL SOIL GAS SAMPLE ANALYTICAL RESULTS

Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, IN

Date:	5/20/24
Designed:	EB
Drawn:	AL
Checked:	MB
DWG file:	6203-4001

ENVIRO forensics
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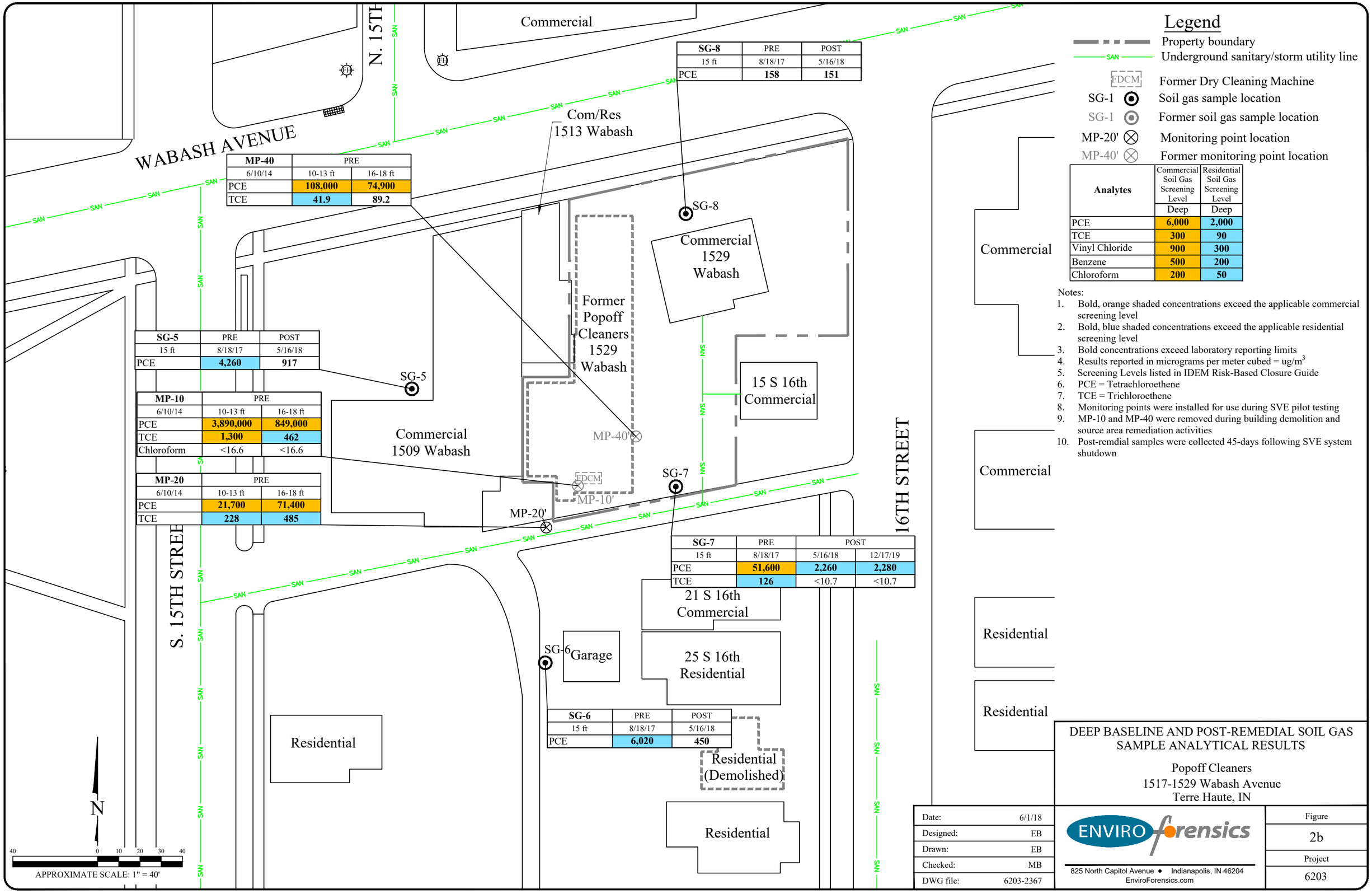
EnviroForensics.com

Figure 2

Project 6203



MP-40	PRE	
6/10/14	10-13 ft	16-18 ft
PCE	**108,000**	**74,900**
TCE	**41.9**	**89.2**

SG-8	PRE	POST
15 ft	8/18/17	5/16/18
PCE	**158**	**151**

SG-5	PRE	POST
15 ft	8/18/17	5/16/18
PCE	**4,260**	**917**

MP-10	PRE	
6/10/14	10-13 ft	16-18 ft
PCE	**3,890,000**	**849,000**
TCE	**1,300**	**462**
Chloroform	<16.6	<16.6

MP-20	PRE	
6/10/14	10-13 ft	16-18 ft
PCE	**21,700**	**71,400**
TCE	**228**	**485**

SG-7	PRE	POST	
15 ft	8/18/17	5/16/18	12/17/19
PCE	**51,600**	**2,260**	**2,280**
TCE	**126**	<10.7	<10.7

SG-6	PRE	POST
15 ft	8/18/17	5/16/18
PCE	**6,020**	**450**

Legend

- Property boundary
- SAN — Underground sanitary/storm utility line
- FDCM — Former Dry Cleaning Machine
- SG-1 — Soil gas sample location
- SG-1 — Former soil gas sample location
- MP-20' — Monitoring point location
- MP-40' — Former monitoring point location

Analytes	Commercial Soil Gas Screening Level	Residential Soil Gas Screening Level
	Deep	Deep
PCE	**6,000**	**2,000**
TCE	**300**	**90**
Vinyl Chloride	**900**	**300**
Benzene	**500**	**200**
Chloroform	**200**	**50**

Notes:
1. Bold, orange shaded concentrations exceed the applicable commercial screening level
2. Bold, blue shaded concentrations exceed the applicable residential screening level
3. Bold concentrations exceed laboratory reporting limits
4. Results reported in micrograms per meter cubed = ug/m^3
5. Screening Levels listed in IDEM Risk-Based Closure Guide
6. PCE = Tetrachloroethene
7. TCE = Trichloroethene
8. Monitoring points were installed for use during SVE pilot testing
9. MP-10 and MP-40 were removed during building demolition and source area remediation activities
10. Post-remdial samples were collected 45-days following SVE system shutdown

DEEP BASELINE AND POST-REMEDIAL SOIL GAS SAMPLE ANALYTICAL RESULTS

Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, IN

Date:	6/1/18
Designed:	EB
Drawn:	EB
Checked:	MB
DWG file:	6203-2367

ENVIRO forensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 2b

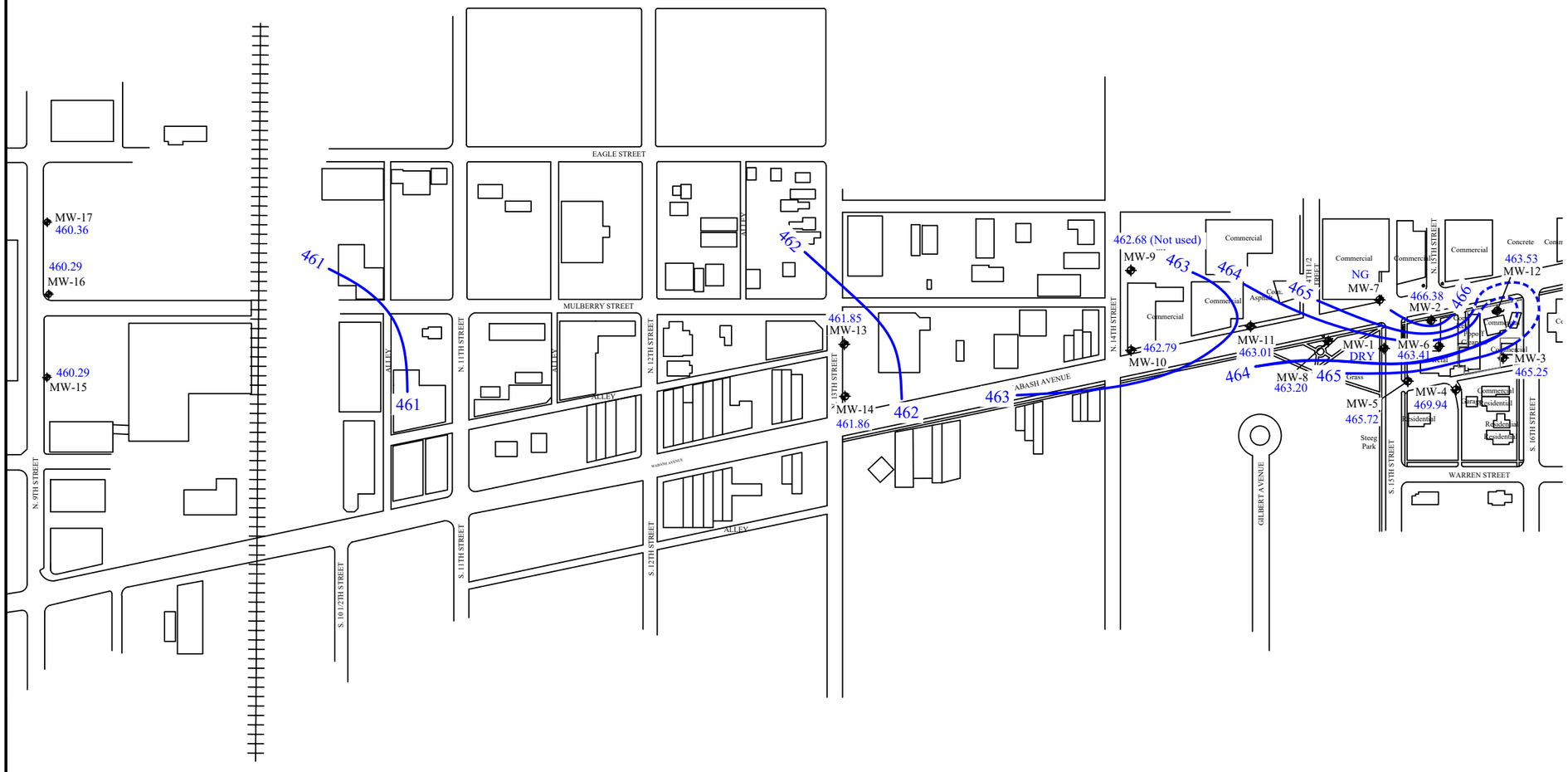
Project 6203

Legend

- Property boundary
- MW-1 — Monitoring well sample location
- 462 — Groundwater elevation contour
- Inferred Groundwater elevation contour
- 462.23 — Groundwater elevation (feet above mean sea level)

NG = Not gauged

MW-9 data was excluded.



N

300 0 100 200 300

APPROXIMATE,TE SCALE: 1" = 300'

POTENTIOMETRIC SURFACE CONTOUR MAP
March 18, 2024

Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, In

Date:	6/19/24
Designed:	EB
Drawn:	AL
Checked:	MB
DWG file:	6203-3007

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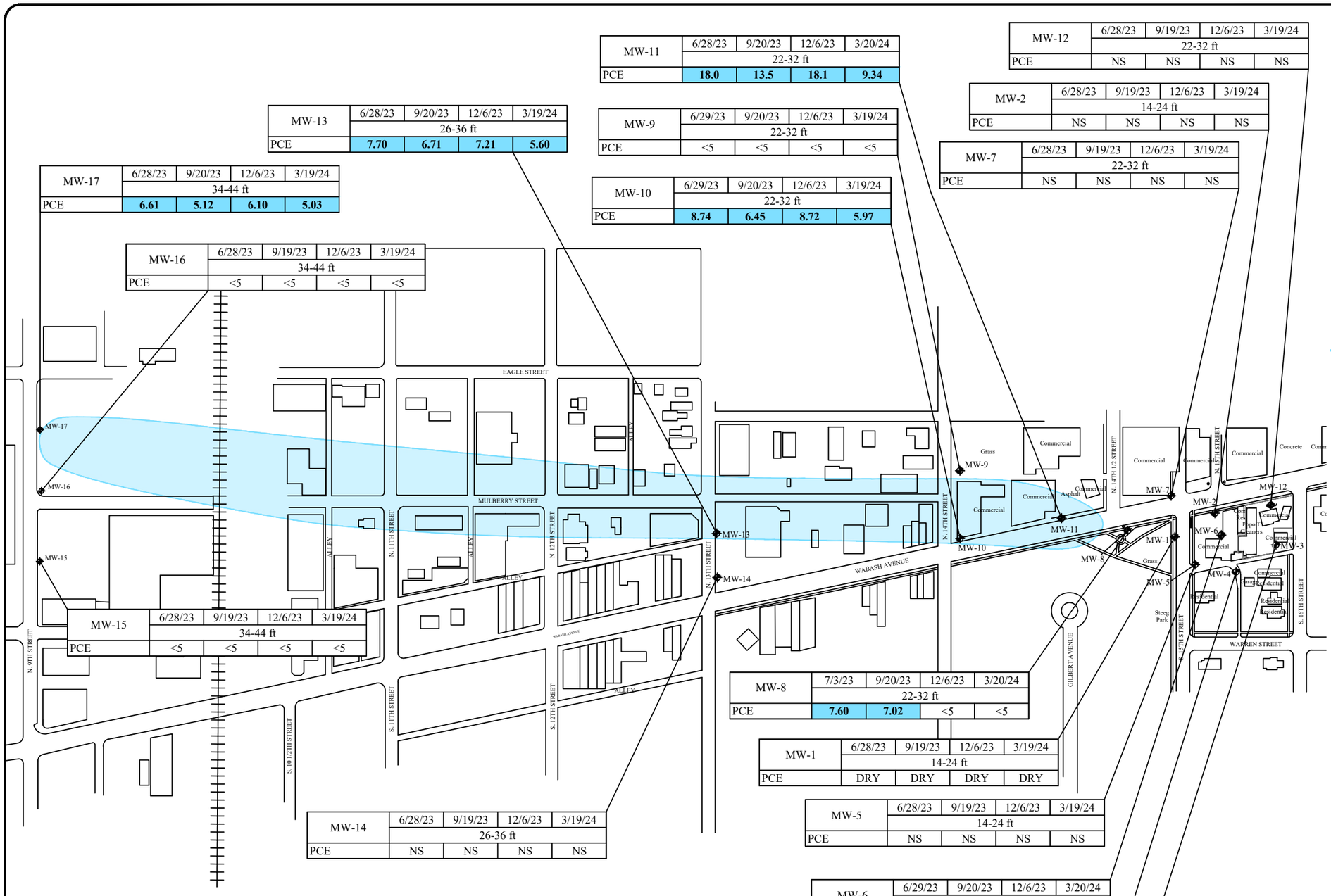
Figure 3

Project 6203



MW-11	6/28/23	9/20/23	12/6/23	3/20/24
	22-32 ft			
PCE	**18.0**	**13.5**	**18.1**	**9.34**

MW-12	6/28/23	9/19/23	12/6/23	3/19/24
	22-32 ft			
PCE	NS	NS	NS	NS

MW-13	6/28/23	9/20/23	12/6/23	3/19/24
	26-36 ft			
PCE	**7.70**	**6.71**	**7.21**	**5.60**

MW-9	6/29/23	9/20/23	12/6/23	3/19/24
	22-32 ft			
PCE	<5	<5	<5	<5

MW-2	6/28/23	9/19/23	12/6/23	3/19/24
	14-24 ft			
PCE	NS	NS	NS	NS

MW-7	6/28/23	9/19/23	12/6/23	3/19/24
	22-32 ft			
PCE	NS	NS	NS	NS

MW-17	6/28/23	9/20/23	12/6/23	3/19/24
	34-44 ft			
PCE	**6.61**	**5.12**	**6.10**	**5.03**

MW-10	6/29/23	9/20/23	12/6/23	3/19/24
	22-32 ft			
PCE	**8.74**	**6.45**	**8.72**	**5.97**

MW-16	6/28/23	9/19/23	12/6/23	3/19/24
	34-44 ft			
PCE	<5	<5	<5	<5

MW-15	6/28/23	9/19/23	12/6/23	3/19/24
	34-44 ft			
PCE	<5	<5	<5	<5

MW-8	7/3/23	9/20/23	12/6/23	3/20/24
	22-32 ft			
PCE	**7.60**	**7.02**	<5	<5

MW-1	6/28/23	9/19/23	12/6/23	3/19/24
	14-24 ft			
PCE	DRY	DRY	DRY	DRY

MW-14	6/28/23	9/19/23	12/6/23	3/19/24
	26-36 ft			
PCE	NS	NS	NS	NS

MW-5	6/28/23	9/19/23	12/6/23	3/19/24
	14-24 ft			
PCE	NS	NS	NS	NS

MW-6	6/29/23	9/20/23	12/6/23	3/20/24
	22-32 ft			
PCE	<5	<5	<5	<5

MW-4	6/28/23	9/19/23	12/6/23	3/19/24
	10-20 ft			
PCE	DRY	DRY	DRY	<5

MW-3	6/28/23	9/19/23	12/6/23	3/19/24
	14-24 ft			
PCE	NS	NS	NS	NS

Legend

Property boundary

MW-1 Monitoring well sample location

Analytes	RCG Groundwater Screening Level
PCE	**5**

Note:

1. Bold shaded blue values exceed the IDEM Groundwater Screening Levels
2. Bolded values exceed laboratory detection limits
3. Units in micrograms per liter (µg/L)
4. PCE = Tetrachloroethene
5. Samples analyzed for VOCs using the US EPA SW-846 Method 8260
6. NS = Not sampled
7. Constituents not shown are below laboratory detection limits

Concentration of PCE exceeds IDEM groundwater screening level (5 µg/L). Incorporates results from most recent groundwater monitoring event

N

300 0 100 200 300

APPROXIMATE,TE SCALE: 1" = 300'

POST-REMEDIAL GROUNDWATER MONITORING ANALYTICAL RESULTS (2Q23 - 1Q24)

Popoff Cleaners

1517-1529 Wabash Avenue

Terre Haute, In

Date:	5/20/24
Designed:	EB
Drawn:	AL
Checked:	MB
DWG file:	6203-4000

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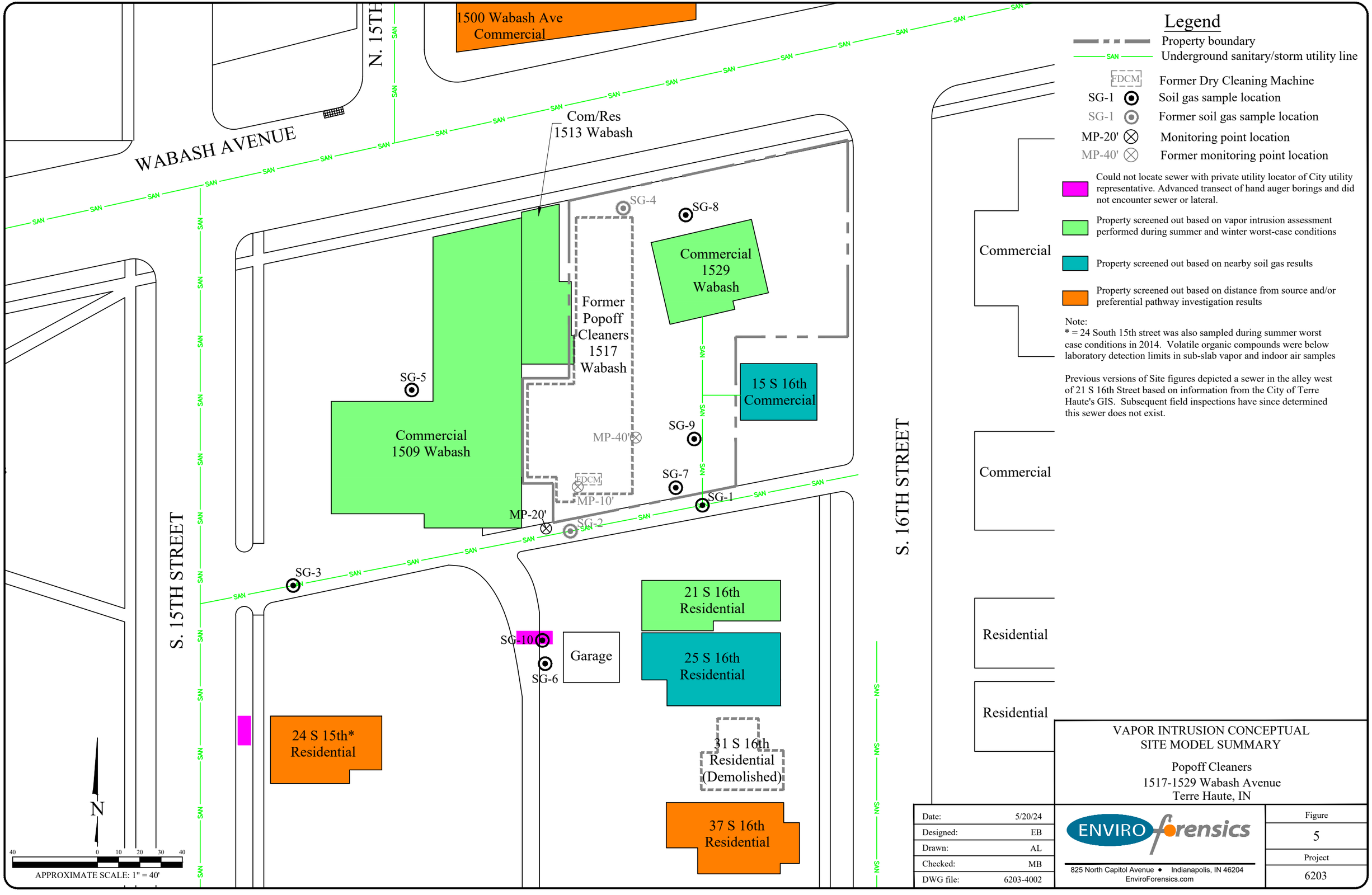
Figure 4

Project 6203



Legend

- Property boundary
- SAN — Underground sanitary/storm utility line
- FDCM — Former Dry Cleaning Machine
- SG-1 — Soil gas sample location
- SG-1 — Former soil gas sample location
- MP-20' — Monitoring point location
- MP-40' — Former monitoring point location

- Could not locate sewer with private utility locator of City utility representative. Advanced transect of hand auger borings and did not encounter sewer or lateral.
- Property screened out based on vapor intrusion assessment performed during summer and winter worst-case conditions
- Property screened out based on nearby soil gas results
- Property screened out based on distance from source and/or preferential pathway investigation results

Note:
* = 24 South 15th street was also sampled during summer worst case conditions in 2014. Volatile organic compounds were below laboratory detection limits in sub-slab vapor and indoor air samples

Previous versions of Site figures depicted a sewer in the alley west of 21 S 16th Street based on information from the City of Terre Haute's GIS. Subsequent field inspections have since determined this sewer does not exist.

Commercial

Commercial

Residential

Residential

VAPOR INTRUSION CONCEPTUAL SITE MODEL SUMMARY

Popoff Cleaners
1517-1529 Wabash Avenue
Terre Haute, IN

Date:	5/20/24
Designed:	EB
Drawn:	AL
Checked:	MB
DWG file:	6203-4002

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Figure
5

Project
6203

APPENDIX 1

Field Procedures

GROUNDWATER MONITORING

Water Level Measurements

Monitoring wells are allowed to equilibrate to atmospheric pressure by removing well lids a minimum of 15 minutes before measuring the water levels. The sounder, which consists of a probe at the end of a Teflon®-coated wire line, is lowered down each well from a survey mark at the top of the well casing. When the probe contacts the groundwater, an electric current triggered the sounder and a light on the wire line reel. The depth-to-water is then read off the wire line and recorded on field forms to the nearest 0.01 foot.

Quarterly Groundwater Sample Collection

Groundwater purging and sample collection was conducted using standard low-flow methods in accordance with the IDEM technical guidance document *The Micro-Purge Sampling Option*, dated June 3, 1998 and revised May 11, 2021. The procedure involves groundwater purging rates between 0.1 and 0.5 liters per minute while maintaining minimal drawdown, less than 0.3 feet.

A bladder pump is utilized to evacuate water from the screened potion of the well to the surface apparatus for each well sampled. The pump intake was set at the middle of the saturated screen interval and enabled by intermittent positive air pressure received via 0.25-inch Teflon-lined poly tubing to a clear plastic cylindrical flow-through cell. The flow-through cell was fitted with both input water fittings and output fittings. Externally, the hose was attached to both fittings.

Located at the top of the flow cell was a multi-probe, which measures groundwater geochemical parameters including temperature, pH, oxidation-reduction potential, specific conductivity, turbidity, and dissolved oxygen. Water quality parameters were monitored throughout purging to verify stabilization prior to groundwater sample collection and were recorded on the field sampling data forms.

Once the parameters stabilized, it was assumed that the groundwater being collected was directly from the aquifer and not associated with water in the well or sand pack pore space. This task was completed with minimal disturbance to the aquifer, limiting VOC volatilization and sediment turbidity, which can introduce adsorbed compounds.

If drawdown of 0.3 feet or less at 100 milliliters per minute (mL/min) is unable to be maintained, the flow rate will be reduced to approximately 80 mL/min. If a minimum drawdown of 0.3 feet is unable to be maintained at this flowrate, the monitoring well will be subsequently purged dry using a bailer and allowed to recharge. Samples will then be collected via bailer following sufficient recharge, with a maximum wait time of 24 hours.

Groundwater samples obtained for volatile organic compound analysis are collected in laboratory-provided 40-milliliter (mL) vials with Teflon® lined septum and a hydrochloric acid preservative. The vials are filled forming a positive meniscus, preventing air from remaining in the bottle. A convex, Teflon® lined septum is then placed over the positive meniscus to seal the container. After capping, the bottle is inverted and checked for trapped air.

Duplicate and matrix spike/matrix spike duplicate samples are collected during the sampling events for quality assurance/quality control purposes. In addition, a laboratory-supplied trip blank sample accompanies each cooler through the sampling events. An equipment blank is collected of the final rinse water following the decontamination of equipment. Personnel dons a new unused pair of disposable nitrile gloves prior to collecting each sample. Each sample is labeled, recorded on a chain-of-custody form, and placed into a cooler with ice.

Equipment Decontamination

Non-dedicated equipment was decontaminated before use at each location by washing in an Alconox® solution, followed by a deionized water rinse. The remaining equipment that entered the well/boring location was single-use disposable equipment, which does not require decontamination.

SOIL GAS

Soil Boring Advancement and Monitoring Point Installation

In accordance with safe work practices and as required by Indiana State Law, EnviroForensics contacted the Indiana Underground Plant Protection Service (IUPPS) at least 48 hours prior to the anticipated onset of subsurface work at the Site.

A hand auger boring was advanced to approximately 5 feet bgs. During soil boring advancement, an EnviroForensics field geologist used a photoionization detector (PID) to screen headspace on representative soil samples placed into re-sealable plastic bags. Field screening was conducted in 1 foot intervals. Soil boring lithology was continuously logged in general accordance with the Unified Soil Classification System (USCS). New disposable nitrile gloves were worn by the field geologist when handling soil from each new interval.

Soil Gas Point Installation

The soil gas monitoring point was constructed using 6-inch long stainless steel wire screen implants attached to a ¼-inch Teflon™-lined polyethylene tube that extended to the surface. A sand pack consisting of #5 washed quartz sand was placed around the implant screen in the open borehole to a depth of approximately 6-inches above the screened interval. The remaining annular space from top of sand to surfacing material was then filled with medium bentonite chips, which were subsequently hydrated. The soil gas points was developed by purging three (3) times the volume of air in the sand pack surrounding the screen.

Soil Gas Sampling

Testing the integrity of the sample points was conducted utilizing a helium tracer gas. Helium gas was pumped into a sealed shroud encompassing the soil gas point. The tubing for the soil gas sampling train was attached to a helium detection device outside of the shroud. Air was purged from the soil gas vapor sampling apparatus and tested for the presence of helium. No helium was detected; therefore, the soil gas sampling apparatus was considered to have a quality seal. The integrity of the sampling lines was tested prior to sampling using a hand pump with a pressure gauge. A negative pressure was induced within the sample line and observed for 60 seconds for any pressure changes. No change to the pressure was observed; therefore, the line was considered intact. A batch-certified 1-Liter stainless steel canister was connected to the end of the point assembly and a sample was collected at each location. In order to avoid leaks in the sampling system, the recommended sampling flow rate of 200 mL/min was used. Initial and final pressure readings were collected from each canister, along with other pertinent information and recorded on field sampling forms.

APPENDIX 2

Field Sampling Forms

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825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Dopoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: mw-6
Sample ID: mw-6
Screened Interval: 22-32
Sampler (print): Darcie Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 33.57 feet
Depth to Water 26.06 feet
Well Diameter 2 inches
Casing Volume ~~7.85~~ gallons 1.28
Volume Removed ~~2400~~ gallons 0.63
No. of Casing Volumes Removed ~~0.68~~ 0.49
Gauging Date 12-5-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 30 ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1249	14.7	7.10	441.0	166.6	65.36	72.1	26.04	100	—
1252	14.4	7.05	431.6	173.5	72.23	6.95	26.07		300
1255	14.4	7.04	427.9	177.5	70.17	6.88	26.07		600
1258	14.6	7.04	426.2	178.6	69.09	6.86	26.07		900
1301	14.7	7.03	425.3	181.2	70.81	6.83	26.07		1200
1304	14.6	7.03	423.5	184.7	64.93	6.79	26.07		1500
1307	14.6	7.03	422.9	185.5	60.59	6.78	26.07		1800
1310	14.5	7.03	423.0	195.9	60.52	6.77	26.07		2100
1313	14.5	7.03	421.3	188.0	52.19	6.74	26.08	↓	2400

PURGE[1]: START Date 12/5/23 Time 1315
SAMPLING: FINISH Date _____ Time _____

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	N	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Dapoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-8
Sample ID: MW-8
Screened Interval: 22-32
Sampler (print): Darcie Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.98 feet
Depth to Water 26.44 feet
Well Diameter 2 inches
Casing Volume 0.90 gallons
Volume Removed 0.55 gallons
No. of Casing Volumes Removed 0.62
Gauging Date 12-6-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29 ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1445	14.5	6.95	432.5	182.2	59.80	6.89	26.44	100	-
1448	14.8	7.10	434.2	177.5	21.71	6.71			300
1451	14.9	7.09	434.3	179.0	9.67	6.66			600
1454	15.0	7.09	434.4	179.3	7.30	6.68			900
1457	15.0	7.09	434.4	179.9	5.00	6.70			1200
1500	15.0	7.08	434.6	180.7	3.11	6.66			1500
1503	15.0	7.08	434.8	181.4	1.55	6.65			1800
1506	14.9	7.08	434.6	182.0	2.35	6.63	↓	↓	2100

PURGE[1]: START Date 12/6/23 Time 1510
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Dopoft cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-9
Sample ID: mw-9
Screened Interval: 22-32
Sampler (print): Dane Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.92 feet
Depth to Water 26.67 feet
Well Diameter 2 inches
Casing Volume 0.86 gallons
Volume Removed 0.55 gallons
No. of Casing Volumes Removed 0.64
Gauging Date 12-6-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <.0.3ft	Flow Rate (ml/min) <250	mL Removed
944	13.4	7.10	429.7	120.4	244.45	7.01	26.67	100	—
947	14.2	7.04	435.5	137.3	63.02	6.24	26.67	=	300
950	14.2	7.02	435.6	139.5	53.96	6.16	=	=	600
953	14.5	7.02	436.1	143.7	38.26	6.09	=	=	900
956	14.2	7.01	436.8	148.5	32.53	6.05	=	=	1200
959	14.0	7.00	435.3	151.1	23.92	6.03	=	=	1500
1002	14.0	7.00	435.8	152.8	15.73	6.04	=	=	1800
1005	13.9	7.00	435.9	155.3	11.59	6.02	=	=	2100

PURGE[1]: START Date 12/6/23 Time 1007

SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCl	2	N	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIROforensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Depoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-10
Sample ID: MW-10
Screened Interval: 22-32
Sampler (print): Dane Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.93 feet
Depth to Water 27.74 feet
Well Diameter 2 inches
Casing Volume 0.68 gallons
Volume Removed 0.55 gallons
No. of Casing Volumes Removed 0.81
Gauging Date 12-6-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 30 ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <.0.3ft	Flow Rate (ml/min) <250	mL Removed
1650	13.8	7.07	443.9	184.6	39.06	6.56	27.74	100	-
1653	13.5	7.06	439.8	187.6	33.96	6.64	"	"	300
1656	13.6	7.05	440.6	189.8	25.21	6.53	"	"	600
1659	14.1	7.05	441.5	190.5	20.89	6.47	"	"	900
1702	14.1	7.05	442.5	191.1	16.44	6.40	"	"	1200
1705	14.1	7.05	442.3	191.4	13.38	6.32	"	"	1500
1708	14.2	7.05	442.6	191.5	12.47	6.30	"	"	1800
1711	14.5	7.05	442.9	191.5	11.11	6.26	"	"	2100

PURGE[1]: START Date 12/6/23 Time 1715
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40 mL	VOA	HCl	2		-	-	-

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIROforensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: PePoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6207
CLIENT/CONTACT:

Well ID: MW-11
Sample ID: MW-11
Screened Interval: 22-32
Sampler (print): Darcie Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.98 feet
Depth to Water 26.51 feet
Well Diameter 2 inches
Casing Volume 0.89 gallons
Volume Removed 0.5 gallons
No. of Casing Volumes Removed 0.62
Gauging Date 12-6-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29.47

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1543	15.4	7.02	453.9	183.4	71.00	7.41	26.51	100	—
1546	15.0	7.02	457.3	184.8	67.66	7.33	=	=	300
1549	12.7	7.02	458.6	187.9	52.15	7.31	=	=	600
1552	12.1	7.36	453.5	188.4	51.14	7.38	=	=	900
1555	12.3	7.02	450.3	189.3	58.32	7.48	=	=	1200
1558	12.6	7.02	451.0	190.3	54.77	7.47	=	=	1500
1601	12.4	7.02	452.5	191.1	50.14	7.47	=	=	1800
1604	12.8	7.01	448.9	191.6	44.99	7.40	=	=	2100
②									

PURGE[1]: START Date 12/6/23 Time 1607
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VA	HCl	#4		—	✓	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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T: 317-972-7870 F: 317-972-7875

PROJECT NAME: popoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-13
Sample ID: MW-13
Screened Interval: 26-36
Sampler (print): Darcie Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 35.99 feet
Depth to Water 28.24 feet
Well Diameter 2 inches
Casing Volume 1.25 gallons
Volume Removed 1.11 gallons
No. of Casing Volumes Removed 0.89
Gauging Date 12/6/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 32 ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <.0.3ft	Flow Rate (ml/min) <250	mL Removed
1326	15.3	7.11	456.1	135.5	176.82	6.91	28.24	100	-
1329	15.6	7.04	455.1	146.5	212.47	6.05	"	"	300
1332	15.7	7.03	454.4	151.9	177.18	5.93	"	"	600
1335	15.7	7.03	459.9	152.9	158.11	5.90	"	"	900
1338	15.7	7.03	460.8	155.0	116.31	5.87	"	"	1200
1341	15.7	7.02	462.8	159.0	65.81	5.90	"	"	1500
1344	15.7	7.02	463.7	160.1	56.11	5.93	"	"	1800
1347	15.9	7.01	465.0	160.5	40.16	6.03	"	"	2100
1									

PURGE[1]: START Date 12/6/23 Time 1350
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCl	2	N	-	-	-

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
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PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-15
Sample ID: MW-15
Screened Interval: 34 - 44
Sampler (print): Darcy Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth ~~37.41~~ 44.19 feet
Depth to Water 37.41 feet
Well Diameter 2 inches
Casing Volume ~~6.75~~ 1.17 gallons
Volume Removed 0.63 gallons
No. of Casing Volumes Removed ~~0.09~~ 0.57
Gauging Date 12-5-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 41 ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1420	15.8	7.04	442.8	197.2	134.18	7.54	37.41	100	—
1423	16.1	7.03	442.5	203.5	90.77	7.29	=	=	300
1426	16.2	7.03	442.8	206.4	55.80	7.21	=	=	600
1429	16.3	7.03	442.9	208.3	30.67	7.11	=	=	900
1432	16.3	7.03	471.4	146.2	14.77	7.10	=	=	1200
1435	16.3	7.03	471.4	152.6	13.18	7.09	=	=	1500
1438	16.3	7.03	471.7	158.3	10.77	7.08	=	=	1800
1441	16.3	7.07	471.6	164.6	9.45	7.07	=	=	2100
1444	16.3	7.03	471.4	170.9	7.65	7.08	=	=	2400

PURGE[1]: START Date 12/5/23 Time 1446
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCl	6	N	—	#	Y

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

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PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: mw-16
Sample ID: mw-16
Screened Interval: 34-44
Sampler (print): Darin Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 44.19 feet
Depth to Water 35.99 feet
Well Diameter 2 inches
Casing Volume 1.35 gallons
Volume Removed 0.55 gallons
No. of Casing Volumes Removed 0.41
Gauging Date 12-6-23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 40ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <.0.3ft	Flow Rate (ml/min) <250	mL Removed
8:40	12.6	6.97	479.0	-24.4	148.77	5.10	35.88	100	—
843	14.9	6.89	482.6	-25.6	77.54	3.29	"	"	300
846	15.2	6.90	484.2	-26.8	44.83	3.20	"	"	600
849	15.2	6.91	484.3	-27.1	37.78	3.34	"	"	900
852	15.3	6.91	483.5	-28.2	26.25	3.26	"	"	1200
855	15.4	6.91	482.2	-29.1	18.60	3.46	"	"	1500
858	15.4	6.91	482.2	-30.9	16.43	3.31	"	"	1800
901	15.3	6.91	482.2	-32.0	13.64	3.13	"	"	2100

PURGE[1]: START Date 12/6/23 Time 905
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCl	2	✓	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-17
Sample ID: MW-17
Screened Interval: 34-44
Sampler (print): Darcie Smith

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 43.98 feet
Depth to Water 35.46 feet
Well Diameter 2 inches
Casing Volume 1.39 gallons
Volume Removed 1.11 gallons
No. of Casing Volumes Removed 0.89
Gauging Date 12/6/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 40ft

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1048	15.3	6.94	456.8	159.7	991.23	3.98	35.46	100	-
1051	15.7	6.90	460.5	162.9	812.74	3.32	=	=	300
1054	15.8	6.89	463.3	164.9	618.02	3.12	=	=	600
1057	16.0	6.88	466.5	167.9	391.97	2.97	=	=	900
1100	16.1	6.89	467.0	170.1	295.71	2.75	=	=	1200
1103	16.1	6.87	467.7	171.1	231.19	2.73	=	=	1500
1106	16.0	6.87	468.3	171.9	197.02	2.78	=	=	1800
1109	16.0	6.87	469.0	172.9	150.52	2.65	=	=	2100
1112	16.1	6.87	468.7	173.6	159.26	2.66	=	=	2400
1115	16.1	6.89	469.1	174.0	143.03	2.68	=	=	2700
1118	16.1	6.93	467.0	174.9	123.02	2.72	=	=	3000
1121	16.1	6.88	466.9	175.1	119.01	2.73	=	=	3300
1124	16.1	6.88	466.9	175.1	112.53	2.71	//	//	3600
1127	16.1	6.88	467.0	175.1	104.05	2.72	//	//	3900
1130	16.1	6.88	462.2	175.1	100.92	2.72	//	//	4200
									~~45~~

PURGE[1]: START Date 12/6/23 Time 1135
SAMPLING: FINISH Date Time

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	-	-	-	-

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

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T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Dupuff
LOCATION/ADDRESS: 1517 - Walnut Ave 1529
PROJECT NO.: 6203
CLIENT CONTACT:

Well ID: MW-4
Sample ID: 6203-MW-4
Screened Interval: 10-20
Sampler (print): K

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 19.79 feet
Depth to Water 18.32 feet
Well Diameter 2 inches
Casing Volume 0.23 gallons
Volume Removed 0.06 gallons
No. of Casing Volumes Removed 0.27
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow
Grab/No-purge
Bailer[1] ✓
Peristaltic pump
Submersible Pump
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable)

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
15:50									

PURGE[1]: START Date 3/18/24 Time 15:50
SAMPLING: FINISH Date 3/19/24 Time 16:30

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES: Bailed dry on 3/18

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
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T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Paoli Cleaners
LOCATION/ADDRESS: 1509 North Wabash Ave. Terre Haute, IN
PROJECT NO.: 6203
CLIENT/CONTACT: —

Well ID: MW-6
Sample ID: 6203-MW-6
Screened Interval: 22-32'
Sampler (print): Averi Bean

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.39 feet
Depth to Water 26.42 feet
Well Diameter 2 inches
Casing Volume 0.81 gallons
Volume Removed 0.66 gallons
No. of Casing Volumes Removed 0.81
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow X
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump X
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 28.91

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
09:16	13.82	7.31	0.68	230.5	642.44	7.12	26.39	—	—
09:21	14.48	7.31	0.67	230.2	935.91	5.99	26.39	100	500
09:26	14.39	7.33	0.67	229.5	363.02	6.00	26.39	100	1000
09:31	14.33	7.34	0.67	228.8	186.26	5.93	26.39	100	1500
09:36	14.29	7.35	0.67	228.5	106.24	5.87	26.39	100	2000
09:41	14.19	7.35	0.67	227.8	51.92	5.82	26.39	100	2500

PURGE[1]: START Date 3/20/24 Time 9:12
SAMPLING: FINISH Date 3/20/24 Time 9:47

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCl	2	N	—	—	—

NOTES:

Sampler Signature: Averi Bean

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
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T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517 Wabash Ave. Terre Haute, IN
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-8
Sample ID: 6203-MW-8
Screened Interval: 22-32'
Sampler (print): Averi Bean

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 32.04 feet
Depth to Water 26.81 feet
Well Diameter 2 inches
Casing Volume 0.85 gallons
Volume Removed 0.79 gallons
No. of Casing Volumes Removed 0.98
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow X
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump X
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29.43

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
10:37	11.50	7.51	0.67	216.5	123.42	2.79	26.67	—	—
10:42	13.10	7.42	0.67	216.7	58.85	6.29	26.67	100	500
10:47	13.56	7.41	0.67	214.0	30.43	5.98	26.67	100	1000
10:52	13.72	7.41	0.67	209.1	11.47	5.84	26.67	100	1500
10:57	13.53	7.41	0.67	207.9	4.49	5.83	26.67	100	2000
11:02	13.36	7.42	0.67	206.5	1.13	5.81	26.67	100	2500
11:07	13.28	7.42	0.67	203.8	0.00	5.80	26.67	100	3000

PURGE[1]: START Date 3/20/24 Time 10:34
SAMPLING: FINISH Date 3/20/24 Time 11:12

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40ml	VOA	HCL	2	N	—	—	—

NOTES:

Sampler Signature: Averi Bean

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
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T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO.: 6203
CLIENT CONTACT:

Well ID: ~~MW-9~~ LG 9
Sample ID: 6203-MW-9
Screened Interval: 22-32
Sampler (print): K. Hunnicutt

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.74 feet
Depth to Water 26.93 feet
Well Diameter 2" inches
Casing Volume 0.78 gallons
Volume Removed 0.70 gallons
No. of Casing Volumes Removed 0.90
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29.33

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
14:18	15.01	6.78	0.823	314	93.4	8.67	26.81	140	—
14:21	15.31	6.78	0.825	315	79.0	6.45	26.81	|	420
14:24	15.43	6.78	0.825	315	57.6	6.08	26.81	|	840
14:27	15.45	6.78	0.825	315	39.2	5.93	26.81	|	1,260
14:30	15.49	6.77	0.825	315	18.3	5.86	26.81	|	1,680
14:33	15.50	6.76	0.825	315	1.8	5.65	26.81	|	2,100
14:36	15.51	6.75	0.826	315	0.0	5.46	26.81	|	2,240
14:39	15.50	6.75	0.827	315	0.0	5.28	26.81	↓	2,660

PURGE[1]: START Date 3/19/24 Time 14:15
SAMPLING: FINISH Date 3/19/24 Time 14:40

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO: 16203
CLIENT CONTACT:

Well ID: MW-10
Sample ID: 6203-MW-10
Screened Interval: 22-32
Sampler (print): K Hunnicutt

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.69 feet
Depth to Water 27.01 feet
Well Diameter 2 inches
Casing Volume 0.76 gallons
Volume Removed 0.83 gallons
No. of Casing Volumes Removed 1.09
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29.35'

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
15:32	16.19	6.82	0.845	304	286	9.30	27.0	150	—
15:35	16.21	6.82	0.845	306	240	8.58	27.0		450
15:38	16.26	6.83	0.844	304	184	8.17	27.0		900
15:41	16.27	6.82	0.843	307	140	7.97	27.0		1,350
15:44	16.30	6.84	0.843	308	106	7.73	27.0		1,800
15:47	16.37	6.81	0.842	310	87.7	7.64	27.0		2,250
15:50	16.41	6.82	0.842	309	69.0	7.54	27.0		2,700
15:53	16.55	6.82	0.842	310	51.2	7.42	27.0	↓	3150

PURGE[1]: START Date 3/19/24 Time 15:27
SAMPLING: FINISH Date 3/19/24 Time 15:55

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1430 Wabash Ave. Terre Haute, IN
PROJECT NO.: 6203
CLIENT/CONTACT: —

Well ID: MW-11
Sample ID: 6203-MW-11
Screened Interval: 22-32'
Sampler (print): Averi Bean

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 31.71 feet
Depth to Water 26.77 feet
Well Diameter 2 inches
Casing Volume 0.81 gallons
Volume Removed 0.66 gallons
No. of Casing Volumes Removed 0.81
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow X
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump X
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 29.24

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
12:12	14.30	7.43	0.67	202.2	717.37	7.92	26.60	—	—
12:17	15.10	7.36	0.71	204.8	517.82	6.36	26.60	100	500
12:22	15.41	7.35	0.71	205.4	135.13	6.21	26.60	100	1000
12:27	15.34	7.36	0.71	206.0	134.55	6.26	26.60	100	1500
12:32	15.15	7.36	0.71	206.1	52.74	6.17	26.60	100	2000
12:37	15.04	7.36	0.71	205.6	15.80	6.18	26.60	100	2500

PURGE[1]: START Date 3/20/24 Time 12:08
SAMPLING: FINISH Date 3/20/24 Time 12:45

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOCs	40mL	VOA	HCL	4	N	—	✓	—

NOTES:

Sampler Signature: Averi Bean

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Pop off Cleaners
LOCATION ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO: 6203
CLIENT CONTACT:

Well ID: MW-13
Sample ID: 6203-MW-13
Screened Interval: 26-36
Sampler (print): K. Humicutt

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 35.6 feet
Depth to Water 28.14 feet
Well Diameter 2" inches
Casing Volume 2.35 gallons
Volume Removed 0.69 gallons
No. of Casing Volumes Removed 0.29
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 31.80

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
13:10	14.91	6.79	0.896	291	123	8.34	28.11	125	—
13:13	15.08	6.77	0.898	294	108	6.32	28.11		375
13:16	15.21	6.76	0.897	295	83.9	5.60	28.11		750
13:19	15.23	6.76	0.899	295	73.2	5.47	28.11		1,125
13:22	15.33	6.74	0.904	296	58.9	5.33	28.11		1,500
13:25	15.32	6.74	0.906	297	46.9	5.30	28.11		1,875
13:28	15.34	6.74	0.909	298	40.4	5.19	28.11		2,250
13:31	15.35	6.75	0.913	299	51.4	5.20	28.11	↓	2,625

PURGE[1]: START Date 3/19/24 Time 13:07
SAMPLING: FINISH Date 3/19/24 Time 13:35

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Dopoff Cleaners
LOCATION/ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO.: 6203
CLIENT CONTACT:

Well ID: MW-15
Sample ID: 6203-MW-15
Screened Interval: 34-44
Sampler (print): K. Hunnicutt

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 43.32 feet
Depth to Water 36.66 feet
Well Diameter 2 inches
Casing Volume 1.09 gallons
Volume Removed 0.67 gallons
No. of Casing Volumes Removed 0.62
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 40'

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
937	13.46	6.42	0.892	279	306	10.42	36.69	170	—
940	14.12	6.47	0.874	285	253	8.73	36.69		570
943	13.52	6.52	0.881	293	110	8.94	36.69		1,020
946	13.52	6.50	0.882	302	62.1	8.60	36.69		1,530
949	13.80	6.59	0.882	302	44.0	8.40	36.69		2,040
952	13.85	6.61	0.883	305	15.2	8.28	36.69		2,550

PURGE[1]: START Date 3/19 ~~9:34~~ KH Time 9:34
SAMPLING: FINISH Date 3/19 Time 9:55

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40 ml	VOA	HCl	6	—	—	—	✓

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO.: 6203
CLIENT/CONTACT:

Well ID: MW-16
Sample ID: 6203-MW-16
Screened Interval: 34-44
Sampler (print): K. Hunnicutt

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 43.01 feet
Depth to Water 35.16 feet
Well Diameter 2 inches
Casing Volume 1.38 gallons
Volume Removed 1.26 gallons
No. of Casing Volumes Removed 0.92
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 39.39

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
10:42	13.89	6.63	1.09	136	17.2	3.77	35.11	200	—
10:45	14.53	6.60	1.09	72	133	1.18	35.11	↓	600
10:48	14.88	6.58	1.09	35	64.6	0.66	35.11	↓	~~800~~ 1200
10:51	15.11	6.56	1.09	16	29.7	0.51	35.11	↓	1800
10:54	15.15	6.56	1.09	7	8.6	0.45	35.11	↓	2400
10:57	15.11	6.55	1.08	-1	0.0	0.39	35.11	↓	3000
11:00	15.20	6.54	1.08	-7	0.0	0.35	35.11	↓	3600
11:03	15.30	6.53	1.08	-14	0.0	0.33	35.11	↓	4200
11:04	15.40	6.52	1.08	-17	0.0	0.32	35.11	↓	4800

PURGE[1]: START Date 3/~~19~~/24 KH Time 10:39
SAMPLING: FINISH Date 3/19/24 Time 11:10

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Popoff Cleaners
LOCATION/ADDRESS: 1517-1529 Wabash Ave Terre Haute, IN
PROJECT NO.: 4203
CLIENT CONTACT:

Well ID: MW-17
Sample ID: 0203-MW-17
Screened Interval: 34-44
Sampler (print): K. Hunnewell

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 43.55 feet
Depth to Water 35.79 feet
Well Diameter 2 inches
Casing Volume 1.26 gallons
Volume Removed 1.85 gallons
No. of Casing Volumes Removed 1.47
Gauging Date 3/18/24

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow ✓
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump ✓
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 39.67'

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
11:44	15.40	6.62	0.900	218	348	5.24	34.70	180	—
11:49	15.67	6.62	0.900	221	442	3.93	34.69	|	540
11:52	15.85	6.61	0.903	226	514	3.68	34.69	|	1,620
11:55	15.98	6.60	0.903	230	473	3.59	34.69	|	2,160
11:58	15.95	6.61	0.902	234	440	3.56	34.69	|	2,700
12:01	15.97	6.61	0.903	237	399	3.50	34.69	|	3,240
12:04	16.13	6.62	0.904	242	355	3.45	34.69	|	3,780
12:07	16.00	6.62	0.903	246	299	3.46	34.69	|	4,320
12:10	16.04	6.61	0.903	250	265	3.41	34.69	|	4,860
12:13	16.03	6.44	0.903	251	232	3.39	34.69	|	5,400
12:16	16.00	6.62	0.904	256	194	3.42	34.69	|	5,940
12:19	16.05	6.60	0.905	260	167	3.39	34.69	|	6,480
12:22	16.09	6.60	0.904	263	141	3.39	34.69	↓	7,020

PURGE[1]: START Date 3/19/24 Time 11:43
SAMPLING: FINISH Date 3/19/24 Time 12:25

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
VOC	40ml	VOA	HCl	2	—	—	—	—

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

Soil Gas
~~Sub-Slab~~ Vapor Field Sampling Form

825 N Capitol Avenue
Indianapolis, IN 46204
(317) 972-7870

Project Name: Popoff Cleaners
Project Number: 6203
Project Address: 1517 Wabash Ave. Terre Haute, IN
Client/Contact: —

Property Address: 1517 Wabash Avenue Terre Haute, IN
Sampler(s): Averi Bean

Sample ID	Canister ID	Flow Controller ID	Date mm/dd/yyyy	Time Start hh:mm	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg	Sub-Slab Pressure in H_2O	Negative Pressure Test: Induced -15 in Hg on sample train and pressure held? (yes/no)		Helium Leak Test: Conc. of Helium in Shroud	Helium Leak Test: Conc. of Helium in Tedlar Bag	Helium Leak Test: Leak test passed? (yes/no)	
6203-SG-10	84137	0111	03/20/2024	14:12	14:23	-30	-5		(yes)	no	49.4%	0ppm	(yes)	no
6203-DUP-1	84045	DUP-T	—	—	—	-30	-5		(yes)	no	—	—	(yes)	no
									yes	no			yes	no
									yes	no			yes	no
									yes	no			yes	no
									yes	no			yes	no

Sketch

See Attached Map

Wind Direction	Wind Speed mph	Temp. °F	Relative Humidity %	Barometric Pressure in. of Hg	Rainfall in last 24 hours in.
WNW	14	51	29	30.05	0

Notes:

The concentration of helium in the tedlar bag must be less than 10% of the concentration of helium in the shroud

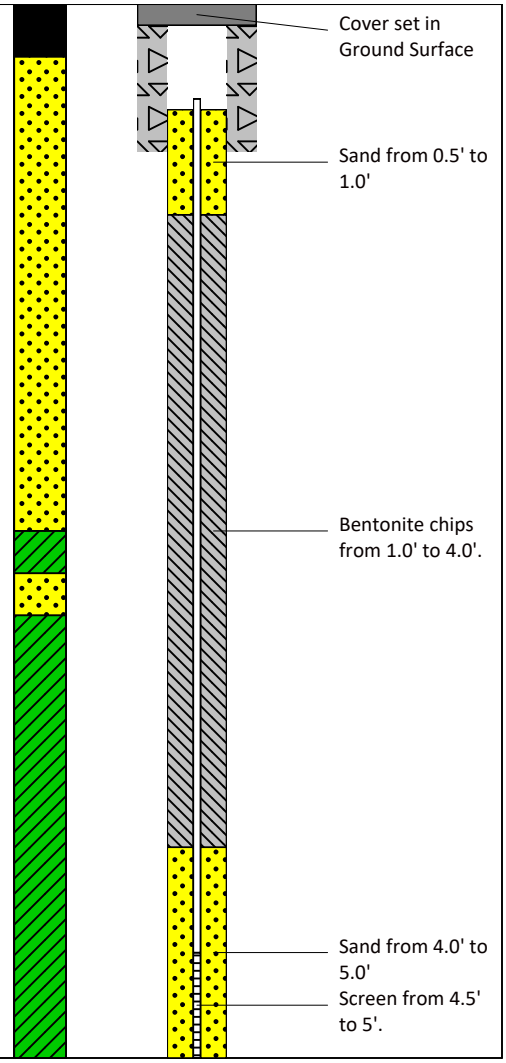
*All sub-slab vapor samples collected from one property will be recorded on the same Sub-Slab Vapor Field Sampling Form.
*If the air canister starting pressure is less than -27 in Hg, discard canister and use new canister

APPENDIX 3

Boring Log and Construction Diagram

Project Name: Popoff Cleaners	**Project No.:** 6203	**Drilling Company:** EnviroForensics
Boring ID: SG-10	**Logged By:** K.Hunnicutt	**Driller Name/ID:** K.Hunnicutt/ L.Glenn
Start Date: 3/18/2024	**End Date:** 3/18/2024	**Drilling Method:** Hand Auger
Northing:	**Easting:**	**Borehole Diameter:** 2.25
Site Location: 1517 Wabash Ave. Terre Haute, IN		**Total Depth (ft bgs):** 5
Boring Location: 12' 9" W and 1' 9" N of Southern corner of Garage		**Depth to Water (ft bgs):** -
Remarks:		

Depth (ft bgs)	Description	% Recovery	PID (ppm)	Water Level	Soil Sample	Vapor Sample	Graphic Log	Well Completion/ Borehole Decommission Details
0	Topsoil: **(0.0'- 0.25') TOPSOIL** Three inches of topsoil.							
	Sand: **(0.25'- 1.7') GRAVELY SAND (SW)** Brown; gravely, fine to coarse SAND, well-graded; trace clay; moist.	100	0.1					
		100	0.0					
	Sand: **(1.7'- 2.5') SAND (SW)** Dark brown; fine to coarse SAND, well-graded; trace clay; moist.							
	Clay: **(2.5'- 2.7') CLAY (CL)** Dark brown with tan mottling; CLAY, low-plasticity; trace to some sand; moist.	100	0.0					
	Sand: **(2.7'- 2.9') SAND (SW)** Tan; fine to medium SAND; well-graded; moist.							
	Clay: **(2.9'- 3.5') CLAY (CL)** Dark brown; CLAY, low-plasticity; trace sand; moist.	100	0.1					
	Clay: **(3.5'- 5.0') CLAY (CL)** Reddish tan with dark brown mottling; CLAY, low-plasticity; trace sand; moist.							
4		100	0.0					
	Hand auger terminated at 5' bgs.							



Note:

*Soil Descriptions are based on field staff observations and opinions at the time of the field event.

LEGEND

- Water observed during drilling
- Water level measured in monitoring well/temporary well
- Soil sample location
- Vapor sample location

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APPENDIX 4

Laboratory Analytical Reports

ENVision Laboratories, Inc.
1439 Sadlier Circle West Drive
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Tel: 317.351.8632
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Ms. Kim Hunnicutt
Enviroforensics
825 N. Capitol Ave.
Indianapolis, IN 46204

December 14, 2023

ENVision Project Number: 2023-2501
Client Project Name: Popoff Cleaners

Dear Ms. Hunnicutt,

Please find the attached analytical report for the samples received December 7, 2023. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. ENVision Laboratories looks forward to working with you on your next project.

Yours Sincerely,

David Norris

Client Services Manager
ENVision Laboratories, Inc.

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-15 **Sample Collection Date/Time:** 12/5/23 14:46
Envision Sample Number: 23-20354 **Sample Received Date/Time:** 12/7/23 14:57
Sample Matrix: water

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	96%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	90%		
4-bromofluorobenzene (surrogate)	98%		
Analysis Date/Time:	12-9-23/17:49		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-16 **Sample Collection Date/Time:** 12/5/23 13:15
Envision Sample Number: 23-20355 **Sample Received Date/Time:** 12/7/23 14:57
Sample Matrix: water

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	97%		
1,2-Dichloroethane-d4 (surrogate)	92%		
Toluene-d8 (surrogate)	87%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/12:03		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-6
Envision Sample Number: 23-20356
Sample Matrix: water

Sample Collection Date/Time: 12/6/23 9:05
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	103%		
1,2-Dichloroethane-d4 (surrogate)	98%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	12-9-23/12:19		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-9
Envision Sample Number: 23-20357
Sample Matrix: water
Sample Collection Date/Time: 12/6/23 10:07
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	102%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/12:34		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-17
Envision Sample Number: 23-20358
Sample Matrix: water

Sample Collection Date/Time: 12/6/23 11:35
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**6.10**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	100%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	90%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/12:50		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-10 **Sample Collection Date/Time:** 12/6/23 17:15
Envision Sample Number: 23-20359 **Sample Received Date/Time:** 12/7/23 14:57
Sample Matrix: water

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

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Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**8.72**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	99%		
1,2-Dichloroethane-d4 (surrogate)	94%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	12-9-23/13:06		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-13
Envision Sample Number: 23-20360
Sample Matrix: water
Sample Collection Date/Time: 12/6/23 13:50
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**7.21**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	100%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	88%		
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	12-9-23/13:22		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-8 **Sample Collection Date/Time:** 12/6/23 15:10
Envision Sample Number: 23-20361 **Sample Received Date/Time:** 12/7/23 14:57
Sample Matrix: water

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	103%		
1,2-Dichloroethane-d4 (surrogate)	97%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/13:37		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: MW-11 **Sample Collection Date/Time:** 12/6/23 16:07
Envision Sample Number: 23-20362 **Sample Received Date/Time:** 12/7/23 14:57
Sample Matrix: water

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**18.1**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	102%		
1,2-Dichloroethane-d4 (surrogate)	97%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	111%		
Analysis Date/Time:	12-9-23/13:53		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: TRIP BLANK
Envision Sample Number: 23-20363
Sample Matrix: water

Sample Collection Date/Time:
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	93%		
Toluene-d8 (surrogate)	87%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/10:13		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: DUP-1
Envision Sample Number: 23-20364
Sample Matrix: water
Sample Collection Date/Time: 12/6/23
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**18.4**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	103%		
1,2-Dichloroethane-d4 (surrogate)	100%		
Toluene-d8 (surrogate)	87%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-9-23/14:09		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: EB-1
Envision Sample Number: 23-20365
Sample Matrix: water
Sample Collection Date/Time: 12/5/23 15:15
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	100%		
1,2-Dichloroethane-d4 (surrogate)	98%		
Toluene-d8 (surrogate)	87%		
4-bromofluorobenzene (surrogate)	99%		
Analysis Date/Time:	12-9-23/11:00		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2023-2501

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 120923VW

Client Sample ID: EB-2
Envision Sample Number: 23-20366
Sample Matrix: water
Sample Collection Date/Time: 12/6/23 17:30
Sample Received Date/Time: 12/7/23 14:57

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	104%		
1,2-Dichloroethane-d4 (surrogate)	97%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	99%		
Analysis Date/Time:	12-9-23/14:24		
Analyst Initials	tjg		

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EPA 8260 Quality Control Data

ENVision Batch Number: 120923VW

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	

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8260 QC Continued…

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Hexachloro-1,3-butadiene	< 2.6	2.6	
2-Hexanone	< 10	10	
n-Hexane	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	89%		
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	12-9-23/09:57		
Analyst Initials	tjg		

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8260 QC Continued…

LCS/LCSD	LCS Results (ug/L)	LCS/LCSD Conc. (ug/L)	LCSD Result (ug/L)	LCS Rec.	LCSD Rec.	% D	Flag
Vinyl Chloride	50.1	50	51.6	100%	103%	2.9	
1,1-Dichloroethene	51.1	50	49.3	102%	99%	3.6	
trans-1,2-Dichloroethene	49.0	50	45.8	98%	92%	6.8	
Methyl-tert-butyl-ether	50.4	50	50.4	101%	101%	0.0	
1,1-Dichloroethane	53.5	50	52.9	107%	106%	1.1	
cis-1,2-Dichloroethene	48.9	50	50.2	98%	100%	2.6	
Chloroform	48.6	50	47.8	97%	96%	1.7	
1,1,1-Trichloroethane	50.8	50	50.3	102%	101%	1.0	
Benzene	48.9	50	49.1	98%	98%	0.4	
Trichloroethene	51.2	50	50.9	102%	102%	0.6	
Toluene	50.8	50	49.8	102%	100%	2.0	
1,1,1,2-Tetracholorethane	48.4	50	48.0	97%	96%	0.8	
Chlorobenzene	48.7	50	48.4	97%	97%	0.6	
Ethylbenzene	49.9	50	49.4	100%	99%	1.0	
o-Xylene	49.5	50	49.8	99%	100%	0.6	
n-Propylbenzene	49.9	50	49.8	100%	100%	0.2	
Dibromofluoromethane (surrogate)	97%		98%				
1,2-Dichloroethane-d4 (surrogate)	101%		100%				
Toluene-d8 (surrogate)	97%		98%				
4-bromofluorobenzene (surrogate)	96%		97%				
Analysis Date/Time:	12-9-23/09:10		12-9-23/09:26				
Analyst Initials	tjg		tjg				

Matrix Spike/Matrix Spike Dup:	Sample Results (ug/L)	MS Res (ug/L)	MSD Res (ug/L)	Spk Conc (ug/L)	MS Rec	MSD Rec	% D	Flag
Vinyl Chloride	0.0	52.1	49.3	50	104%	99%	5.5	
1,1-Dichloroethene	0.0	49.8	49.1	50	100%	98%	1.4	
trans-1,2-Dichloroethene	0.0	47.8	45.9	50	96%	92%	4.1	
Methyl-tert-butyl-ether	0.0	50.0	49.9	50	100%	100%	0.2	
1,1-Dichloroethane	0.0	54.4	54.2	50	109%	108%	0.4	
cis-1,2-Dichloroethene	0.0	48.3	49.7	50	97%	99%	2.9	
Chloroform	0.0	48.3	47.8	50	97%	96%	1.0	
1,1,1-Trichloroethane	0.0	50.1	49.9	50	100%	100%	0.4	
Benzene	0.0	48.2	48.1	50	96%	96%	0.2	
Trichloroethene	0.0	49.9	49.5	50	100%	99%	0.8	
Toluene	0.0	48.4	48.8	50	97%	98%	0.8	
1,1,1,2-Tetracholorethane	0.0	47.4	48.9	50	95%	98%	3.1	
Chlorobenzene	0.0	47.6	48.4	50	95%	97%	1.7	
Ethylbenzene	0.0	48.7	49.5	50	97%	99%	1.6	
o-Xylene	0.0	49.0	49.9	50	98%	100%	1.8	
n-Propylbenzene	0.0	48.4	49.8	50	97%	100%	2.9	
Dibromofluoromethane (surrogate)	96%	99%	91%					
1,2-Dichloroethane-d4 (surrogate)	95%	103%	95%					
Toluene-d8 (surrogate)	90%	94%	89%					
4-bromofluorobenzene (surrogate)	98%	96%	91%					
Analysis Date/Time:	12-9-23/17:49	12-9-23/18:20	12-9-23/18:36					
Analyst Initials	tjg	tjg	tjg					
Originial Sample Number Spiked:	23-20354							

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Flag Number	Comments
1	Reported value is below the reporting limit but above the MDL.

ENVision Proj#: 2023-2501 Page 1 of 2

CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: Enviro forensics	Invoice Address: Same
Report Address: 825 N Capitol Ave Indianapolis, IN	Project Name: Popoff Cleaners
Report To: K. Hunnewell	Lab Contact: David Norris
Phone: 765-744-7484	Sampled by: Dan Smith
Fax: —	P.O. Number: 2023-0364
Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (5-7 bus. days)	QA/QC Required: (circle if applicable) Level III Level IV

REQUESTED PARAMETERS

VOCs 8260 | MS | MSD

Sample Integrity:
Cooler Temp: 4 °C (Circle)
Samples on Ice? Yes No
Samples Intact? Yes No
Custody Seal: Yes No
ENVision provided bottles: Yes No
VOC vials free of head-space: Yes No N/A
pH checked? Yes No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix	VOCs 8260	MS	MSD					HCl	HNO_3	H_2SO_4	NaOH	Other	None	ENVision Sample ID
MW-15 MS/MSD	12/5/23	1440	G	GW	X	X						6						23-20354
MW-16	12/5/23	1315										2						20355
MW-6	12/6/23	905										2						20356
MW-9	12/6/23	1007										2						20357
MW-17	12/6/23	1135										2						20358
MW-10	12/6/23	1715										2						20359
MW-13	12/6/23	1350										2						20360
MW-5	12/6/23	1510										2						20361
MW-11	12/6/23	1607										2						20362
Trip Blank	—	—	N	WT								2						20363
Dup-1	12/6/23	—		GW								2						20364

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Dan Smith	12/6/23	1745		12/6/23	1745
				12/7/23	2:57

ENVision Proj#: 2023-250 / Page 2 of 2

CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: EnviroForensics	Invoice Address: Same
Report Address: 825 N Cap. Ave Indianapolis, IN	Project Name: popoff Cleaners
Report To: Kim Hunnicutt	Lab Contact: David Norris
Phone: 765-744-7484	Sampled by: Darcie Smith
Fax:	P.O. Number: 2023-0364
Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (5-7 bus. days)	QA/QC Required: (circle if applicable) Level III Level IV

REQUESTED PARAMETERS

VOCs, 8260

Sample Integrity:
Cooler Temp: 4 °C (Circle)
Samples on Ice? Yes No
Samples Intact? Yes No
Custody Seal: Yes No
ENVision provided bottles: Yes No
VOC vials free of head-space: Yes No N/A
pH checked? Yes No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix	VOCs, 8260	HCl	HNO_3	H_2SO_4	NaOH	Other	None	ENVision Sample ID
EB-1	12/5/23	1515	G	WT	X	2						23-22365
EB-2	12/6/23	1730	G	WT	X	2						22366

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Darcie Smith	12/6/23	1745		12/6/23	1745
				12/7/23	2:57

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Ms. Kim Hunnicutt
Enviroforensics
825 N. Capitol Ave.
Indianapolis, IN 46204

April 2, 2024

ENVision Project Number: 2024-563
Client Project Name: 6203 – Popoff Cleaners

Dear Ms. Hunnicutt,

Please find the attached analytical report for the samples received March 21, 2024. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. ENVision Laboratories looks forward to working with you on your next project.

Yours Sincerely,

David Norris

Client Services Manager
ENVision Laboratories, Inc.

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032324VW

Client Sample ID: 6203-MW-6
Envision Sample Number: 24-3399
Sample Matrix: water

Sample Collection Date/Time: 3/20/24 9:47
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	96%		
1,2-Dichloroethane-d4 (surrogate)	97%		
Toluene-d8 (surrogate)	100%		
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	3-23-24/06:31		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032324VW

Client Sample ID: 6203-MW-8
Envision Sample Number: 24-3400
Sample Matrix: water

Sample Collection Date/Time: 3/20/24 11:12
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	99%		
1,2-Dichloroethane-d4 (surrogate)	99%		
Toluene-d8 (surrogate)	98%		
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	3-23-24/06:47		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032324VW

Client Sample ID: 6203-MW-9
Envision Sample Number: 24-3401
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 14:40
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued…

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	93%		
1,2-Dichloroethane-d4 (surrogate)	92%		
Toluene-d8 (surrogate)	92%		
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	3-23-24/07:02		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032324VW

Client Sample ID: 6203-MW-10
Envision Sample Number: 24-3402
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 15:55
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**5.97**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	96%		
Toluene-d8 (surrogate)	97%		
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	3-23-24/07:18		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-11
Envision Sample Number: 24-3403
Sample Matrix: water

Sample Collection Date/Time: 3/20/24 12:45
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**9.34**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	99%		
Toluene-d8 (surrogate)	98%		
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	3-24-24/10:10		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-13
Envision Sample Number: 24-3404
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 13:35
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**5.60**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	99%		
1,2-Dichloroethane-d4 (surrogate)	98%		
Toluene-d8 (surrogate)	95%		
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	3-24-24/10:26		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-15
Envision Sample Number: 24-3405
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 9:55
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

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Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	98%		
1,2-Dichloroethane-d4 (surrogate)	95%		
Toluene-d8 (surrogate)	91%		
4-bromofluorobenzene (surrogate)	93%		
Analysis Date/Time:	3-24-24/12:30		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-16
Envision Sample Number: 24-3406
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 11:10
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	100%		
1,2-Dichloroethane-d4 (surrogate)	101%		
Toluene-d8 (surrogate)	101%		
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	3-24-24/10:41		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-17
Envision Sample Number: 24-3407
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 12:25
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**5.03**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	105%		
1,2-Dichloroethane-d4 (surrogate)	100%		
Toluene-d8 (surrogate)	99%		
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	3-24-24/10:57		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-DUP-1
Envision Sample Number: 24-3408
Sample Matrix: water

Sample Collection Date/Time: 3/20/24
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued…

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	**9.25**	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	100%		
1,2-Dichloroethane-d4 (surrogate)	98%		
Toluene-d8 (surrogate)	93%		
4-bromofluorobenzene (surrogate)	93%		
Analysis Date/Time:	3-24-24/11:12		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-EB-1
Envision Sample Number: 24-3409
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 16:25
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	93%		
1,2-Dichloroethane-d4 (surrogate)	93%		
Toluene-d8 (surrogate)	91%		
4-bromofluorobenzene (surrogate)	89%		
Analysis Date/Time:	3-24-24/11:28		
Analyst Initials	tjg		

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ENVISION

Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-EB-2
Envision Sample Number: 24-3410
Sample Matrix: water

Sample Collection Date/Time: 3/20/24 13:14
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued...

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	102%		
1,2-Dichloroethane-d4 (surrogate)	99%		
Toluene-d8 (surrogate)	97%		
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	3-24-24/11:43		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: TRIP BLANK
Envision Sample Number: 24-3411
Sample Matrix: water

Sample Collection Date/Time:
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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8260 continued…

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	102%		
1,2-Dichloroethane-d4 (surrogate)	100%		
Toluene-d8 (surrogate)	97%		
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	3-24-24/11:59		
Analyst Initials	tjg		

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Analytical Report

Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

ENVision Project Number: 2024-563

Analytical Method: EPA 8260
Prep Method: EPA 5030B
Analytical Batch: 032424VW

Client Sample ID: 6203-MW-4
Envision Sample Number: 24-3412
Sample Matrix: water

Sample Collection Date/Time: 3/19/24 16:30
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	

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Analytical Report

8260 continued…

Compounds	Sample Results (ug/L)	Reporting Limit (ug/L)	Flags
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	
Hexachloro-1,3-butadiene	< 2.6	2.6	
n-Hexane	< 10	10	
2-Hexanone	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (Total)	< 10	10	
Dibromofluoromethane (surrogate)	103%		
1,2-Dichloroethane-d4 (surrogate)	101%		
Toluene-d8 (surrogate)	96%		
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	3-24-24/12:15		
Analyst Initials	tjg		

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EPA 8260 Quality Control Data

ENVision Batch Number: 032324VW

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	

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8260 QC Continued…

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Hexachloro-1,3-butadiene	< 2.6	2.6	
2-Hexanone	< 10	10	
n-Hexane	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (total)	< 10	10	
Dibromofluoromethane (surrogate)	88%		
1,2-Dichloroethane-d4 (surrogate)	84%		
Toluene-d8 (surrogate)	86%		
4-bromofluorobenzene (surrogate)	94%		
Analysis Date/Time:	3-23-24/09:23		
Analyst Initials	tjg		

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8260 QC Continued…

LCS/LCSD	LCS Results (ug/L)	LCS/LCSD Conc. (ug/L)	LCSD Result (ug/L)	LCS Rec.	LCSD Rec.	% D	Flag
Vinyl Chloride	54.1	50	48.2	108%	96%	11.5	
1,1-Dichloroethene	51.7	50	51.3	103%	103%	0.8	
trans-1,2-Dichloroethene	49.5	50	49.9	99%	100%	0.8	
Methyl-tert-butyl-ether	50.9	50	48.0	102%	96%	5.9	
1,1-Dichloroethane	48.2	50	53.7	96%	107%	10.8	
cis-1,2-Dichloroethene	44.5	50	50.4	89%	101%	12.4	
Chloroform	44.1	50	49.4	88%	99%	11.3	
1,1,1-Trichloroethane	50.7	50	49.0	101%	98%	3.4	
Benzene	45.7	50	50.3	91%	101%	9.6	
Trichloroethene	48.8	50	50.2	98%	100%	2.8	
Toluene	46.2	50	50.4	92%	101%	8.7	
1,1,1,2-Tetracholorethane	48.6	50	48.5	97%	97%	0.2	
Chlorobenzene	53.4	50	51.8	107%	104%	3.0	
Ethylbenzene	50.9	50	51.3	102%	103%	0.8	
o-Xylene	54.1	50	50.7	108%	101%	6.5	
n-Propylbenzene	53.3	50	57.4	107%	115%	7.4	
Dibromofluoromethane (surrogate)	86%		95%				
1,2-Dichloroethane-d4 (surrogate)	89%		100%				
Toluene-d8 (surrogate)	93%		102%				
4-bromofluorobenzene (surrogate)	98%		96%				
Analysis Date/Time:	3-23-24/08:36		3-23-24/08:52				
Analyst Initials	tjg		tjg				

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EPA 8260 Quality Control Data

ENVision Batch Number: 032424VW

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Acetone	< 100	100	
Acrolein	< 1	1	
Acrylonitrile	< 0.45	1	1
Benzene	< 5	5	
Bromobenzene	< 5	5	
Bromochloromethane	< 5	5	
Bromodichloromethane	< 5	5	
Bromoform	< 5	5	
Bromomethane	< 5	5	
n-Butanol	< 50	50	
2-Butanone (MEK)	< 10	10	
n-Butylbenzene	< 5	5	
sec-Butylbenzene	< 5	5	
tert-Butylbenzene	< 5	5	
Carbon Disulfide	< 5	5	
Carbon Tetrachloride	< 5	5	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
2-Chloroethylvinylether	< 50	50	
Chloroform	< 5	5	
Chloromethane	< 5	5	
2-Chlorotoluene	< 5	5	
4-Chlorotoluene	< 5	5	
1,2-Dibromo-3-chloropropane	< 1	1	
Dibromochloromethane	< 5	5	
1,2-Dibromoethane (EDB)	< 1	1	
Dibromomethane	< 5	5	
1,2-Dichlorobenzene	< 5	5	
1,3-Dichlorobenzene	< 5	5	
1,4-Dichlorobenzene	< 5	5	
trans-1,4-Dichloro-2-butene	< 1	1	
Dichlorodifluoromethane	< 5	5	
1,1-Dichloroethane	< 5	5	
1,2-Dichloroethane	< 5	5	
1,1-Dichloroethene	< 5	5	
cis-1,2-Dichloroethene	< 5	5	
trans-1,2-Dichloroethene	< 5	5	
1,2-Dichloropropane	< 5	5	
1,3-Dichloropropane	< 5	5	
2,2-Dichloropropane	< 5	5	
1,1-Dichloropropene	< 5	5	
1,3-Dichloropropene	< 4.1	4.1	
Ethylbenzene	< 5	5	
Ethyl methacrylate	< 100	100	

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8260 QC Continued…

Method Blank (MB):	MB Results (ug/L)	Rep Lim (ug/L)	Flag
Hexachloro-1,3-butadiene	< 2.6	2.6	
2-Hexanone	< 10	10	
n-Hexane	< 10	10	
Iodomethane	< 10	10	
Isopropylbenzene (Cumene)	< 5	5	
p-Isopropyltoluene	< 5	5	
Methylene chloride	< 5	5	
4-Methyl-2-pentanone (MIBK)	< 10	10	
Methyl-tert-butyl-ether	< 5	5	
1-Methylnaphthalene	< 5	5	
2-Methylnaphthalene	< 5	5	
Naphthalene	< 1	1	
n-Propylbenzene	< 5	5	
Styrene	< 5	5	
1,1,1,2-Tetrachloroethane	< 5	5	
1,1,2,2-Tetrachloroethane	< 0.66	1	1
Tetrachloroethene	< 5	5	
Toluene	< 5	5	
1,2,3-Trichlorobenzene	< 5	5	
1,2,4-Trichlorobenzene	< 5	5	
1,1,1-Trichloroethane	< 5	5	
1,1,2-Trichloroethane	< 5	5	
Trichloroethene	< 5	5	
Trichlorofluoromethane	< 5	5	
1,2,3-Trichloropropane	< 1	1	
1,2,4-Trimethylbenzene	< 5	5	
1,3,5-Trimethylbenzene	< 5	5	
Vinyl acetate	< 10	10	
Vinyl chloride	< 2	2	
Xylene, M&P	< 5	5	
Xylene, 0rtho	< 5	5	
Xylene (total)	< 10	10	
Dibromofluoromethane (surrogate)	93%		
1,2-Dichloroethane-d4 (surrogate)	88%		
Toluene-d8 (surrogate)	97%		
4-bromofluorobenzene (surrogate)	93%		
Analysis Date/Time:	3-24-24/09:54		
Analyst Initials	tjg		

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8260 QC Continued…

LCS/LCSD	LCS Results (ug/L)	LCS/LCSD Conc. (ug/L)	LCSD Result (ug/L)	LCS Rec.	LCSD Rec.	% D	Flag
Vinyl Chloride	51.1	50	51.3	102%	103%	0.4	
1,1-Dichloroethene	49.5	50	48.2	99%	96%	2.7	
trans-1,2-Dichloroethene	50.5	50	49.2	101%	98%	2.6	
Methyl-tert-butyl-ether	49.4	50	48.6	99%	97%	1.6	
1,1-Dichloroethane	50.8	50	48.6	102%	97%	4.4	
cis-1,2-Dichloroethene	52.4	50	49.4	105%	99%	5.9	
Chloroform	49.6	50	47.7	99%	95%	3.9	
1,1,1-Trichloroethane	48.6	50	47.4	97%	95%	2.5	
Benzene	49.9	50	48.2	100%	96%	3.5	
Trichloroethene	48.5	50	48.7	97%	97%	0.4	
Toluene	49.5	50	49.6	99%	99%	0.2	
1,1,1,2-Tetracholorethane	46.3	50	48.5	93%	97%	4.6	
Chlorobenzene	49.0	50	50.9	98%	102%	3.8	
Ethylbenzene	51.6	50	53.5	103%	107%	3.6	
o-Xylene	50.7	50	53.4	101%	107%	5.2	
n-Propylbenzene	53.2	50	53.1	106%	106%	0.2	
Dibromofluoromethane (surrogate)	96%		91%				
1,2-Dichloroethane-d4 (surrogate)	100%		97%				
Toluene-d8 (surrogate)	100%		98%				
4-bromofluorobenzene (surrogate)	94%		96%				
Analysis Date/Time:	3-24-24/09:07		3-24-24/09:23				
Analyst Initials	tjg		tjg				

Matrix Spike/Matrix Spike Dup:	Sample Results (ug/L)	MS Res (ug/L)	MSD Res (ug/L)	Spk Conc (ug/L)	MS Rec	MSD Rec	% D	Flag
Vinyl Chloride	0.0	50.8	50.0	50	102%	100%	1.6	
1,1-Dichloroethene	0.0	52.7	49.4	50	105%	99%	6.5	
trans-1,2-Dichloroethene	0.0	51.8	51.2	50	104%	102%	1.2	
Methyl-tert-butyl-ether	0.0	51.2	49.5	50	102%	99%	3.4	
1,1-Dichloroethane	0.0	48.8	51.2	50	98%	102%	4.8	
cis-1,2-Dichloroethene	0.0	51.2	49.4	50	102%	99%	3.6	
Chloroform	0.0	52.6	47.8	50	105%	96%	9.6	
1,1,1-Trichloroethane	0.0	52.2	49.9	50	104%	100%	4.5	
Benzene	0.0	47.3	47.0	50	95%	94%	0.6	
Trichloroethene	0.0	51.9	46.9	50	104%	94%	10.1	
Toluene	0.0	52.6	47.5	50	105%	95%	10.2	
1,1,1,2-Tetracholorethane	0.0	46.4	45.2	50	93%	90%	2.6	
Chlorobenzene	0.0	51.9	48.5	50	104%	97%	6.8	
Ethylbenzene	0.0	54.0	50.6	50	108%	101%	6.5	
o-Xylene	0.0	51.0	49.7	50	102%	99%	2.6	
n-Propylbenzene	0.0	51.0	49.5	50	102%	99%	3.0	
Dibromofluoromethane (surrogate)	98%	106%	102%					
1,2-Dichloroethane-d4 (surrogate)	95%	110%	104%					
Toluene-d8 (surrogate)	91%	107%	102%					
4-bromofluorobenzene (surrogate)	93%	94%	99%					
Analysis Date/Time:	3-24-24/12:30	3-24-24/12:46	3-24-24/13:01					
Analyst Initials	tjg	tjg	tjg					
Originial Sample Number Spiked:	24-3405							

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Flag Number	Comments
1	Reported value is below the reporting limit but above the MDL.

ENVision Proj#: 2024-503 Page 1 of 2

CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: Enviro Forensics	Invoice Address: SAME
Report Address: 825N Capitol Ave Indianapolis, IN	Project Name: 6203 Poppoff Cleaners
Report To: K. Hunnicutt	Lab Contact: DNorris
Phone: 317-972-7870	Sampled by: KHunnicutt & AB Bean
Fax:	P.O. Number: 2024-0067
Desired TAT: (Please ~~Circle~~ One) 1-day 2-day 3-day (Std (5-7 bus. days))	QA/QC Required: (circle if applicable) Level III Level IV

REQUESTED PARAMETERS

Sample Integrity:
Cooler Temp: 4 °C (Circle)
Samples on Ice? (Yes) No
Samples Intact? (Yes) No
Custody Seal: Yes (No)
ENVision provided bottles: (Yes) No
VOC vials free of head-space? (Yes) No N/A
pH checked? (Yes) No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix	VOC 8260 MS/MSD	HCl	HNO_3	H_2SO_4	NaOH	Other	None	ENVision Sample ID
6203-MW-6	3/20/24	09:47	G	WT	X	2						24-3399
6203-MW-8	3/20/24	11:12				2						3400
6203-MW-9	3/19/24	14:40				2						3401
6203-MW-10	3/19/24	1555				2						3402
6203-MW-11	3/20/24	12:45				2						3403
6203-MW-13	3/19/24	13:35				~~2~~ 4 AB						3404
6203-MW-15	3/19/24	955			X	6						3405
6203-MW-16	3/19/24	11:10				2						3406
6203-MW-17	3/19/24	12:25				2						3407
6203-DUP-1	3/20/24	—				2						3408
6203-EB-1	3/19/24	1625	↓	↓	↓	2						3409

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	3/21/24	11:32	SPT	3/21/24	11:32

ENVision Proj#: 2024-563 Page 2 of 2

CHAIN OF CUSTODY RECORD

ENVision Laboratories, Inc. | 1439 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-8632 | Fax: (317) 351-8639

Client: Enviro Forensics	Invoice Address: SAME
Report Address: 825 N Capitol Ave Indianapolis, IN	Project Name: 6203 Popoff Cleaners
Report To: K Hunnicutt	Lab Contact: D. Norris
Phone: 317-972-7870	Sampled by: K Hunnicutt & A. Bean
Fax:	P.O. Number: 7024-0267
Desired TAT: (Please Circle One) 1-day 2-day 3-day Std (5-7 bus. days)	QA/QC Required: (circle if applicable) Level III Level IV

Sample Integrity:
Cooler Temp: 4 °C (Circle)
Samples on Ice? (Yes) No
Samples Intact? (Yes) No
Custody Seal: Yes (No)
ENVision provided bottles: (Yes) No
VOC vials free of head-space: (Yes) No N/A
pH checked? (Yes) No N/A
Method 5035 collection used? Yes No
5035 samples received within 48 hr of Collection? Yes No

REQUESTED PARAMETERS

Please indicate number of containers per preservative below

Sample ID	Coll. Date	Coll. Time	Comp (C) Grab (G)	Matrix	VOC 8260	HCl	HNO_3	H_2SO_4	NaOH	Other	None	ENVision Sample ID
6203-EB-2	3/20/24	13:14	G	WT	X	2						24-3410
Trip Blank	Lab provided	—		WT	X	2						3411
6203-MW-4	3/19/24	1630	G	WT	X	2						3412

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	3/21/24	11:32	SPT	3/21/24	11:32

EnvisionAir
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www.envision-air.com

Ms. Kim Hunnicutt
Enviroforensics
825 N. Capitol Ave.
Indianapolis, IN 46204

April 1, 2024

EnvisionAir Project Number: 2024-172
Client Project Name: 6203 – Popoff Cleaners

Dear Ms. Hunnicutt,

Please find the attached analytical report for the samples received March 21, 2024. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

David Norris
Project Manager
EnvisionAir, LLC

EnvisionAir
1441 Sadlier Circle West Drive
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Fax: 317-351-0882
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Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

EnvisionAir Project Number: 2024-172

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
24-915	6203-SG-10	A	3/20/24	14:12	3/20/24	14:23	3/21/24	11:32	30	5	5
24-916	6203-DUP-1	A	3/20/24		3/20/24		3/21/24	11:32	30	5	5

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Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

EnvisionAir Project Number: 2024-172

Analytical Method: TO-15
Analytical Batch: 032424AIR

Client Sample ID: 6230-SG-10

EnvisionAir Sample Number: 24-915
Sample Matrix: AIR

Sample Collection START Date/Time: 3/20/24 14:12
Sample Collection END Date/Time: 3/20/24 14:23
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	
4-Methyl-2-pentanone (MIBK)	< 20500	20500	
1,1,1-Trichloroethane	< 5460	5460	
1,1,2,2-Tetrachloroethane	< 3.36	3.36	1
1,1,2-Trichloroethane	< 2.10	2.10	1
1,1-Dichloroethane	< 40.5	40.5	
1,1-Dichloroethene	< 1980	1980	
1,2,4-Trichlorobenzene	< 7.42	7.42	
1,2,4-Trimethylbenzene	< 49.2	49.2	
1,2-dibromoethane (EDB)	< 0.32	0.32	1
1,2-Dichlorobenzene	< 601	601	
1,2-Dichloroethane	< 4.05	4.05	
1,2-Dichloropropane	< 4.62	4.62	
1,3,5-Trimethylbenzene	< 49.2	49.2	
1,3-Butadiene	< 2.21	2.21	
1,3-Dichlorobenzene	< 601	601	
1,4-Dichlorobenzene	< 6.01	6.01	
1,4-Dioxane	< 18.0	18.0	
2-Butanone (MEK)	< 29500	29500	
2-Hexanone	< 205	205	
Acetone	< 23800	23800	
Benzene	< 16.0	16.0	
Benzyl Chloride	< 4.14	4.14	1
Bromodichloromethane	< 5.36	5.36	1
Bromoform	< 103	103	
Bromomethane	< 38.8	38.8	
Carbon Disulfide	< 3110	3110	
Carbon Tetrachloride	< 6.29	6.29	
Chlorobenzene	< 230	230	
Chloroethane	< 132	132	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	
Chloromethane	< 206	206	
cis-1,2-Dichloroethene	< 198	198	
cis-1,3-Dichloropropene	< 45.4	45.4	
Cyclohexane	< 55100	55100	
Dibromochloromethane	< 8.52	8.52	
Dichlorodifluoromethane	< 495	495	
Ethyl Acetate	< 541	541	
Ethylbenzene	< 86.8	86.8	
Hexachloro-1,3-butadiene	< 10.7	10.7	
Isooctane	< 4670	4670	
m,p-Xylene	< 434	434	
Methylene Chloride	< 417	417	
Methyl-tert-butyl ether	< 361	361	
N-Heptane	< 4100	4100	
N-Hexane	< 1760	1760	
Naphthalene	< 5.24	5.24	
o-Xylene	< 434	434	
Propylene	< 1720	1720	
Styrene	< 4260	4260	
Tetrachloroethene	< 31.9	31.9	
Tetrahydrofuran	< 2950	2950	
Toluene	< 37700	37700	
trans-1,2-Dichloroethene	< 396	396	
trans-1,3-Dichloropropene	< 45.4	45.4	
Trichloroethene	< 10.7	10.7	
Trichlorofluoromethane	< 5620	5620	
Vinyl Acetate	< 1760	1760	
Vinyl Bromide	< 4.37	4.37	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	101%		
Analysis Date/Time:	3-24-24/21:12		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6203 POPOFF CLEANERS

Client Project Manager: KIM HUNNICUTT

EnvisionAir Project Number: 2024-172

Analytical Method: TO-15
Analytical Batch: 032424AIR

Client Sample ID: 6230-DUP-1
EnvisionAir Sample Number: 24-916
Sample Matrix: AIR

Sample Collection START Date/Time: 3/20/24
Sample Collection END Date/Time: 3/20/24
Sample Received Date/Time: 3/21/24 11:32

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	
4-Methyl-2-pentanone (MIBK)	< 20500	20500	
1,1,1-Trichloroethane	< 5460	5460	
1,1,2,2-Tetrachloroethane	< 3.36	3.36	1
1,1,2-Trichloroethane	< 2.10	2.10	1
1,1-Dichloroethane	< 40.5	40.5	
1,1-Dichloroethene	< 1980	1980	
1,2,4-Trichlorobenzene	< 7.42	7.42	
1,2,4-Trimethylbenzene	< 49.2	49.2	
1,2-dibromoethane (EDB)	< 0.32	0.32	1
1,2-Dichlorobenzene	< 601	601	
1,2-Dichloroethane	< 4.05	4.05	
1,2-Dichloropropane	< 4.62	4.62	
1,3,5-Trimethylbenzene	< 49.2	49.2	
1,3-Butadiene	< 2.21	2.21	
1,3-Dichlorobenzene	< 601	601	
1,4-Dichlorobenzene	< 6.01	6.01	
1,4-Dioxane	< 18.0	18.0	
2-Butanone (MEK)	< 29500	29500	
2-Hexanone	< 205	205	
Acetone	< 23800	23800	
Benzene	< 16.0	16.0	
Benzyl Chloride	< 4.14	4.14	1
Bromodichloromethane	< 5.36	5.36	1
Bromoform	< 103	103	
Bromomethane	< 38.8	38.8	
Carbon Disulfide	< 3110	3110	
Carbon Tetrachloride	< 6.29	6.29	
Chlorobenzene	< 230	230	
Chloroethane	< 132	132	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	
Chloromethane	< 206	206	
cis-1,2-Dichloroethene	< 198	198	
cis-1,3-Dichloropropene	< 45.4	45.4	
Cyclohexane	< 55100	55100	
Dibromochloromethane	< 8.52	8.52	
Dichlorodifluoromethane	< 495	495	
Ethyl Acetate	< 541	541	
Ethylbenzene	< 86.8	86.8	
Hexachloro-1,3-butadiene	< 10.7	10.7	
Isooctane	< 4670	4670	
m,p-Xylene	< 434	434	
Methylene Chloride	< 417	417	
Methyl-tert-butyl ether	< 361	361	
N-Heptane	< 4100	4100	
N-Hexane	< 1760	1760	
Naphthalene	< 5.24	5.24	
o-Xylene	< 434	434	
Propylene	< 1720	1720	
Styrene	< 4260	4260	
Tetrachloroethene	< 31.9	31.9	
Tetrahydrofuran	< 2950	2950	
Toluene	< 37700	37700	
trans-1,2-Dichloroethene	< 396	396	
trans-1,3-Dichloropropene	< 45.4	45.4	
Trichloroethene	< 10.7	10.7	
Trichlorofluoromethane	< 5620	5620	
Vinyl Acetate	< 1760	1760	
Vinyl Bromide	< 4.37	4.37	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	3-24-24/21:55		
Analyst Initials	tjg		

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 032424AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 15	15	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
Naphthalene	< 0.1	0.1	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

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Analytical Report

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichloroethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	3-24-24/14:02		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	10.3	9.38	10	103%	94%	9.3%	
Dichlorodifluoromethane	8.84	10.7	10	88%	107%	19.0%	
Chloromethane	10.6	10.2	10	106%	102%	3.8%	
Vinyl Chloride	9.71	8.7	10	97%	87%	11.0%	
1,3-Butadiene	9.68	9.75	10	97%	98%	0.7%	
Bromomethane	10.2	9.29	10	102%	93%	9.3%	
Chloroethane	10.1	9.33	10	101%	93%	7.9%	
Vinyl Bromide	10.1	9.4	10	101%	94%	7.2%	
Trichlorofluoromethane	9.24	10	10	92%	100%	7.9%	
Acetone	9.44	10.4	10	94%	104%	9.7%	
1,1-Dichloroethene	10	9.95	10	100%	100%	0.5%	
Methylene Chloride	10.9	10.5	10	109%	105%	3.7%	
Carbon Disulfide	10.8	10.5	10	108%	105%	2.8%	
trans-1,2-Dichloroethene	10.6	9.83	10	106%	98%	7.5%	
Methyl-tert-butyl ether	9.68	10	10	97%	100%	3.3%	
1,1-Dichloroethane	10.2	9.91	10	102%	99%	2.9%	
Vinyl Acetate	9.3	10.2	10	93%	102%	9.2%	
N-Hexane	10.6	9.61	10	106%	96%	9.8%	
2-Butanone (MEK)	10.6	10.3	10	106%	103%	2.9%	
cis-1,2-Dichloroethene	10.8	9.78	10	108%	98%	9.9%	
Ethyl Acetate	10.3	10.8	10	103%	108%	4.7%	
Chloroform	10.4	9.53	10	104%	95%	8.7%	
Tetrahydrofuran	10.4	10.6	10	104%	106%	1.9%	
1,2-Dichloroethane	9.41	9.77	10	94%	98%	3.8%	
1,1,1-Trichloroethane	8.86	9.17	10	89%	92%	3.4%	
Carbon Tetrachloride	9.78	9.93	10	98%	99%	1.5%	
Benzene	10.2	9.4	10	102%	94%	8.2%	
Cyclohexane	10.5	9.8	10	105%	98%	6.9%	
1,2-Dichloropropane	10.5	10.1	10	105%	101%	3.9%	
Trichloroethene	9.59	10.4	10	96%	104%	8.1%	
Bromodichloromethane	8.79	9.8	10	88%	98%	10.9%	
1,4-Dioxane	9.53	10.5	10	95%	105%	9.7%	
Isooctane	10.2	10.1	10	102%	101%	1.0%	
N-Heptane	9.8	10.1	10	98%	101%	3.0%	
cis-1,3-Dichloropropene	10.9	9.83	10	109%	98%	10.3%	
4-Methyl-2-pentanone (MIBK)	9.62	9.48	10	96%	95%	1.5%	
trans-1,3-Dichloropropene	9.36	10.1	10	94%	101%	7.6%	
1,1,2-Trichloroethane	9.73	10.2	10	97%	102%	4.7%	
Toluene	9.69	9.93	10	97%	99%	2.4%	
2-Hexanone	10.2	9.78	10	102%	98%	4.2%	
Dibromochloromethane	9.41	10.3	10	94%	103%	9.0%	
1,2-dibromoethane (EDB)	9.31	10.1	10	93%	101%	8.1%	
Tetrachloroethene	9.08	9.83	10	91%	98%	7.9%	
Chlorobenzene	9.47	10.1	10	95%	101%	6.4%	
Ethylbenzene	9.61	10.2	10	96%	102%	6.0%	
m,p-Xylene	20	20.2	20	100%	101%	1.0%	
Bromoform	8.17	9.15	10	82%	92%	11.3%	

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Analytical Report

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	10.8	10.2	10	108%	102%	5.7%	
1,1,2,2-Tetrachloroethane	10.4	9.88	10	104%	99%	5.1%	
o-Xylene	9.94	9.56	10	99%	96%	3.9%	
4-Ethyltoluene	10.7	10.2	10	107%	102%	4.8%	
1,3,5-Trimethylbenzene	9.73	10.4	10	97%	104%	6.7%	
1,2,4-Trimethylbenzene	10	9.94	10	100%	99%	0.6%	
1,3-Dichlorobenzene	9.31	10.4	10	93%	104%	11.1%	
Benzyl Chloride	10.5	9.56	10	105%	96%	9.4%	
1,4-Dichlorobenzene	10.2	10.4	10	102%	104%	1.9%	
1,2-Dichlorobenzene	9.8	10.8	10	98%	108%	9.7%	
1,2,4-Trichlorobenzene	10.7	10.3	10	107%	103%	3.8%	
Naphthalene	9	10	10	90%	100%	10.5%	
Hexachloro-1,3-butadiene	8.88	9.9	10	89%	99%	10.9%	
4-bromofluorobenzene (surrogate)	109%	99%					
Analysis Date/Time:	3-24-24/11:11	3-24-24/11:56					
Analyst Initials	tjg	tjg					

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Flag Number	Comments
1	Reporting limit is supported by MDL. TJG

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CHAIN OF CUSTODY RECORD

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Client: EnviroForensics	P.O. Number: 2024-0068
Report Address: 825 N. Capitol Ave Indianapolis, IN	Project Name or Number: 6203 Popoff Cleaners
Report To: K. Hunnicutt	Sampled by: A. Bean
Phone: 317-972-7870	QA/QC Required: (circle if applicable) Level III (Level IV)
Invoice Address: Same	Reporting Units needed: (circle) (ug/m³) mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister; 6LC = 6 Liter Canister; TB = Tedlar Bag; TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List (Specify in notes)

ENVISIONAIR

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☐
Indoor-Air: ☐

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Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6203-SG-10	1LC	3/20/24	14:12	3/20/24	14:23	X				84137	0111	-30	-5	-5	24-915
6203-DUP-1	1LC	3/20/24	—	3/20/24	—	X				84045	DUP-T	-30	-5	-5	24-916

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	3/21/24	11:32		3/21/24	11:32

APPENDIX 5

Data Quality Assurance

QA/QC data, including surrogate recoveries, matrix spike recoveries, and method blanks results, were evaluated to assess the acceptability of the analytical data. Laboratory QA procedures included analysis of method blanks and laboratory control samples (LCSs). The method blank samples were analyzed to assess the effect of the laboratory environment on the analytical result. LCSs consist of blank spikes, which are used to determine the accuracy of the analytical procedures. Both method blanks and LCSs were analyzed at a minimum frequency of one (1) per batch.

Precision is a measurement of the reproducibility of data under a specified set of conditions. For this project, precision was evaluated in conjunction with accuracy for the LCS and field duplicate samples. Precision was expressed as relative percent difference (RPD).

RPD is defined as:

$$RPD = \frac{(C_1 - C_2) \times 100\ \%}{(C_1 + C_2)/2}$$

where C_1 and C_2 are the larger and smaller of the two duplicate values, respectively.

The MS/MSD sample collected in the field was analyzed by the laboratory and was used to assess analytical accuracy and precision. The sample was spiked in duplicate with known concentrations of selected parameters from the method parameter list. Matrix spike recoveries were compared to control limits established and updated by the laboratory based on historical operation, or EPA-specified control limits, or both.

Field duplicate RPD goals for volatiles are defined as within ±20 percent for detections of chemicals in water samples and ±40 percent for all other media at concentrations greater than the lowest standard used to define the laboratory calibration curve in accordance with the IDEM recommendations in *Guidance to the Performance and Presentation of Analytical Chemistry Data*, July 16, 1998. The lowest standard on the laboratory calibration curve shall be run at the method detection limit (MDL).

The QA/QC evaluation revealed the following:

December 14, 2023 – Groundwater Monitoring (Lab Report 2023-2501)

- The reported values for acrylonitrile and 1,1,2,2-tetrachloroethene in all samples are below the reporting limit but above the method detection limit (Flag 1).
- Analytes were not detected in the laboratory Method Blank.
- Analytes were not detected in the trip blank or equipment blanks.
- Surrogate spike recoveries were within the EPA acceptance limits in all samples.
- Samples were analyzed within the EPA-recommended holding times.
- The calculated RPD for PCE between sample MW-11 and the corresponding duplicate (DUP) is 1.64%.

April 1, 2024 – Soil Gas Sampling (Lab Report 2024-172)

- The reported values for 1,1,2,2-tetrachloroethene, 1,1,2-trichloroethane, 1,2-dibromomethane, benzyl chloride, and bromodichloromethane in all samples are below the reporting limit but above the method detection limit (Flag 1).
- Surrogate spike recoveries were within the EPA acceptance limits in the samples.
- Samples were analyzed within the EPA-recommended holding times.
- No RPDs were calculated as concentrations did not exceed laboratory reporting limits in the sample collected from SG-10 or the corresponding duplicate (DUP-1).

April 2, 2024 – Groundwater Monitoring (Lab Report 2024-563)

- The reported values for acrylonitrile and 1,1,2,2-tetrachloroethene in all samples are below the reporting limit but above the method detection limit (Flag 1).
- Analytes were not detected in the laboratory Method Blank.
- Analytes were not detected in the trip blank or equipment blanks.
- Surrogate spike recoveries were within the EPA acceptance limits in all samples.
- Samples were analyzed within the EPA-recommended holding times.
- The calculated RPD for PCE between sample MW-11 and the corresponding duplicate (DUP) is 0.97%.

Overall, the data is considered acceptable for the intended use.