May 2025

# Annual Groundwater and Surface Water Sampling Report

# October 2024 Sample Event

**Prepared for:**
Syracusa Sand and Gravel Inc.

**Site:**
Modock Rd. Springs/DLS Sand & Gravel Inc. Site
Town of Victor, Ontario County, NY
NYSDEC Site No. 8-35-013

MarksEngineering

4303 Routes 5 & 20
Canandaigua, NY 14424

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## 1.0 INTRODUCTION

**Marks Engineering, P.C.** (Marks Engineering) conducted an on-site and off-site annual groundwater and surface water sample event in October of 2024 at the Modock Rd. Springs/DLS Sand & Gravel, Inc. Site located in the Town of Victor, Ontario County, New York (herein referred to as the "Site"). A Site Plan and Groundwater Sample Location Map is presented as **Figure 1**.

The Site is a New York State Department of Environmental Conservation (NYSDEC) Class 4 Inactive Hazardous Waste Disposal Site (Site No. 8-35-013). The scope of work presented herein is consistent with the NYSDEC-approved Site Management Plan (SMP), dated March 2019, and the NYSDEC Record of Decision (ROD), for the Site.

The October 2024 annual groundwater and surface water sample event, the findings of which are discussed in this Report, is part of the SMP and ROD's long-term plume management monitoring (PMM) program to evaluate plume stability and the natural reduction of the chlorinated volatile organic compound (CVOC) contamination over time. This annual sample event included 11 groundwater monitoring wells (MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17s, MW-23, MW-24s, MW-26 and SS&G MW-3) and one surface water location (SC-1) as described in the SMP and the NYSDEC *Groundwater and Surface Water Sampling Report Approval and Future Sampling Requirements* letter (NYSDEC, 2021).

This Report provides a summary of the groundwater and surface water sample event and is organized as follows:

- **Site Description and History** (Section 2) – presents a summary of the history and description of the Site.
- **Scope of Work** (Section 3) – provides details on the scope of work and procedures that were used during the sample event.
- **Results** (Section 4) – presents the field observations, findings and analytical results for laboratory samples collected during the sample event.
- **Evaluation of Results and Conclusions** (Section 5) – presents an evaluation of the results and data.

## 2.0 SITE DESCRIPTION AND HISTORY

A detailed description of the Site and its History is provided in the SMP. A concise history of the Site is summarized as follows:

The Site is comprised of a 173-acre parcel, currently operated by Syracusa Sand and Gravel Inc. (SS&G) as an active sand and gravel mine. The Site was acquired by SS&G in 1953. Prior to SS&G's ownership, the property was used for agricultural purposes. The Site operated under the name of D.L.S. Sand and Gravel until 1973 when the corporate name was changed to Syracusa Sand and Gravel Inc. From 1966 to 1971, a portion of the property was leased to Rochester Block, Inc. (NYSDEC, 2010).

A series of investigations at the Site have been conducted starting in approximately 1995. The data from the investigations generally shows that CVOCs, including trichloroethene (TCE), 1,1,1-trichloroethane (TCA), and 1,1-dichloroethene (1,1-DCE), were likely released by parties unknown on the Site in the 1960s or 1970s and have contributed to both on-site and off-site CVOC contamination in groundwater (NYSDEC, 2010). The soil into which the CVOCs were first released; however, no longer exists on the Site. On the basis of the investigations, in 2001, the Department listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. After subsequent site characterization, remedial investigation, feasibility study and remedial alternatives analysis, the ROD for the Site was issued in 2010 selecting monitored natural attenuation (MNA) as the remedy for the Site. The SMP, generated as a requirement of the ROD, was approved by the NYSDEC in March of 2019. In December of 2022, the Site was reclassified by the NYSDEC as a class 4 Site that "no longer presents a significant threat to public health and/or the environment" (NYSDEC,2022).

In addition to MNA, the ROD selected the following additional remedial actions for the Site: (a) an environmental easement to restrict the future use of groundwater at the Site; (b) a SMP which will require long-term PMM, maintenance of the Sub Slab Depressurization Systems (SSDSs) in several residences, long-term monitoring of soil vapor intrusion in residences requiring monitoring and periodic review reporting to the NYSDEC; and (c) a contingency for the implementation of a zero valent iron treatment injection to reduce contaminant mass in the area of highest groundwater CVOC concentrations if the results of the PMM program demonstrate that the CVOC groundwater concentrations are at concentrations not acceptable to NYSDEC and are not continuing to decline.

## 3.0 SCOPE OF WORK

This section provides details on the scope of work and procedures that were used during implementation of the October 2024 annual groundwater and surface water sample event. The primary components of the scope of work were as follows:

- Completion of an annual groundwater sample event using passive diffusion sampling bags (PDBs) installed at 11 existing groundwater monitoring wells (MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17s, MW-23, MW-24s, MW-26 and SS&G MW-3).
- Collection of 11 groundwater samples for laboratory analysis for Target Compound List (TCL) VOCs, including CVOCs, in accordance with USEPA Method 8260.
- Completion of an annual surface water sample event from one surface water location (SC-1) associated with Modock Road Springs for laboratory analysis for TCL VOCs, including CVOCs, in accordance with USEPA Method 8260.
- Collection of Quality Assurance/ Quality Control (QA/QC) samples including a trip blank, equipment blank, blind field duplicates and Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples.
- Completion of a 3rd party Data Usability Summary Report (DUSR) to review, qualify and validate the analytical laboratory data generated during this sample event.
- Submittal of electronic data deliverables (EDDs) of the sample event data to the NYSDEC for inclusion in the Site's existing EQuIS database.

### 3.1 Sampling of Groundwater Monitoring Wells and Surface Water

#### *3.1.1 Purpose and Objectives*

The October 2024 groundwater and surface water sample event, the findings of which are discussed in this Report, is part of the ROD's long-term PMM program for the Site. The objective of the PMM program is to evaluate plume stability and the natural reduction of the Site's CVOC contamination over time.

#### *3.1.2 Methodology and Procedures*

A total of 11 PDBs were installed in 11 existing monitoring wells (MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17s, MW-23, MW-24s, MW-26 and SS&G MW-3) at the Site on September 20, 2024, see **Table 1**. The locations of the monitoring wells are depicted on **Figure 1**. The condition of the monitoring wells, as well as the actions undertaken to remedy any noted deficiencies, is also included on **Table 1**.

Prior to the installation of each PDB, the depth to water and depth to bottom of each well was gauged using a decontaminated water level probe. The field measurements were used to calculate the standing water column in each well. New nitrile gloves were donned by field personnel prior to the handling and installation of each PDB. PDBs were installed at the center of the standing water column or the midpoint of the well screen (whichever was less) using new nylon twine and a decontaminated stainless-steel bottom weight. The weight was suspended from the bottom of the PDB with an appropriate length of string, the PDB and weight were slowly lowered to the bottom of the well (*i.e.,* the weight was felt to hit bottom and the suspension string affixed to the top of the PDB slacked) and the suspension string was secured at the surface at the top of the well casing. Field measurements were recorded on a field log included as **Appendix A**.

A surface water sample was collected on October 4, 2024 from one surface location (SC-1) associated with Modock Road Springs, depicted on **Figure 2**. The surface water sample was collected directly from the surface water using a decontaminated high density polyethylene (HDPE) dipper. It is noted that the sample location (SC-1) was collected from the outlet of the culvert on the *east* side of the access road/foot path, to be consistent with past sampling practices. Field measurements collected during surface water sampling were recorded on a field log included as **Appendix B**.

The water level probe and the non-disposable sampling equipment (e.g., the HDPE dipper) were decontaminated using an Alconox®/potable water wash and a separate potable water rinse. Decontamination water associated with sampling activities was discharged to the ground surface within the mine upon completion of work.

#### *3.1.3 Collection and Analysis of Laboratory Samples*

The PDBs were retrieved from the groundwater monitoring wells two weeks later on October 4, 2024. One groundwater sample was collected for laboratory analysis from each of the 11 monitoring wells (MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17s, MW-23, MW-24s, MW-26 and SS&G MW-3). Samples were collected by retrieving each PDB from the

respective well and placing the PDB on a new sheet of polyethylene sheeting. A corner of the PDB was cut with a pair of decontaminated scissors and the contents of the PDB were collected in appropriate laboratory-supplied sample containers. Samples were placed in a plastic cooler pre-chilled with ice and submitted under appropriate chain of custody protocols to ALS Environmental (ALS) located in Rochester, New York, for laboratory analysis for TCL VOCs, including CVOCs, in accordance with USEPA Method 8260.

The surface water sample (SC-1) was collected using a decontaminated HDPE dipper and transferred to laboratory supplied glassware. The sample was placed in a plastic cooler pre-chilled with ice and submitted under appropriate chain of custody protocols to ALS for laboratory analysis for TCL VOCs, including CVOCS, in accordance with USEPA Method 8260.

QA/QC samples for the groundwater and surface water samples including a trip blank, equipment blank, blind field duplicates and MS/MSD samples were analyzed for TCL VOCs in accordance with USEPA Method 8260. The locations where QA/QC samples were collected are specified on the field forms included as **Appendix A** and **Appendix B**.

A copy of the chain of custody form is included as **Appendix C**.

#### *3.1.4 Reporting of Results and Data Validation*

The laboratory report was provided in both a results only and full Category B format, provided in **Exhibit A** and **Exhibit B**, respectively. The data was reviewed by a 3rd party data validator (Environmental Data Usability in Dansville, New York) to review, qualify and validate the analytical laboratory data generated during this sample event and the data validator concluded that all results (100%) were found to be usable. A copy of the Data Usability Summary Report (DUSR) is presented as **Exhibit C**. At the request of the NYSDEC, the laboratory results were also provided in an electronic data deliverable (EDD) format. The EDD, which incorporated the validated laboratory results, was submitted electronically to the NYSDEC on December 2, 2024, see **Exhibit D**.

### 3.2 Handling of Sampling-Related Waste

The groundwater and surface water sampling activities implemented at the Site produced sampling-related waste media including the following:

- Decontamination wash water resulting from decontamination of equipment and sampling tools
- General refuse (i.e., paper towels, used twine, used personal protective equipment [PPE], etc.).

The sampling-related waste was disposed of as follows:

- Used decontamination water was discharged to the ground surface within the mine adjacent to MW-26 at the completion of work
- Used PPE and other general refuse was placed in trash bags and disposed of as municipal trash at a sanitary landfill.

## 4.0 RESULTS

The groundwater and surface water sample analytical results were compared to the following NYSDEC standards, criteria and/or guidance values (SCGVs):

- Class GA groundwater standards and guidance values referenced in Table 1 of the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled Ambient Water Quality Standard and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) dated June 1998 (as amended January 1999, April 2000 and June 2004).
- Class C surface water standards and guidance values referenced in Table 1 of the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled Ambient Water Quality Standard and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) dated June 1998 (as amended January 1999, April 2000 and June 2004).

### 4.1 Groundwater Sampling Results

As presented in **Table 2**, detectable concentrations of VOCs were found in groundwater samples collected at all 11 of the 11 monitoring wells sampled. Exceedances of NYSDEC groundwater SCGVs for VOCs were present at 9 of the 11 monitoring wells sampled. The exceedances of groundwater SCGVs included only two CVOCs which were previously identified as contaminants of concern at the Site in the ROD (TCE and/or TCA).

### 4.2 Surface Water Sampling Results

As presented in **Table 3**, while detectable concentrations of VOCs were found in the surface water sample collected at SC-01, no exceedances of NYSDEC Class C surface water SCGVs for VOCs, including CVOCs, were present.

### 4.3 Groundwater Mapping

A groundwater contour map is presented as **Figure 3**. The map depicts groundwater flow to the north/northwest which is consistent with prior mapped groundwater flow at the Site (NYSDEC, 2010). A figure depicting the total concentrations for three CVOCs (TCE, TCA and 1,1-DCE) is provided as **Figure 4**. Note that 1,1-DCE is a breakdown product of TCE. As described in Section 5 below the overall data trend shows that the concentrations of the CVOCs in the plume are continuing to decline (See **Table 4**).

## 5.0 EVALUATION OF RESULTS, FINDINGS AND CONCLUSIONS

The October 2024 annual groundwater and surface water sample event, the evaluation of the results, findings and conclusions of which are discussed below, is part of the ROD and SMP's long-term PMM program. The objective of the PMM program is to evaluate plume stability and the natural reduction of the Site's CVOC contamination over time.

As presented in **Table 2** and **Table 3**, the laboratory results for VOC analysis of the groundwater samples collected at 11 monitoring wells and one surface water location indicate detections of different combinations of three CVOCs (TCE, 1,1-DCE and/or TCA), with at least one of the three CVOCs being detected at 9 of the monitoring wells above the respective NYSDEC Class GA groundwater SCGVs. The surface water sample (SC-1) continues not to have CVOCs detected at concentrations above the respective NYSDEC Class C surface water SCGVs. There are no Class C surface water standards for three of the four detected surface water compounds (TCA, 1,1-dichloroethane and 1,1-DCE).

The objective of the PMM program is to evaluate plume stability and the natural reduction of CVOCs over time; therefore, a comparison of the October 2024 analytical data to the analytical data from historic groundwater and surface water sampling events, dating back as far as 1990, is presented on **Table 4**. As illustrated on **Table 4,** the long term CVOC data trend for all 11 of the monitoring wells sampled and the one surface water location sampled is down (*i.e.,* decreasing concentrations of CVOC contaminants) or CVOCs were not detected.

The overall data trend, for samples dating back as far as 1990, shows that the concentrations of the CVOCs in the plume are continuing to decline; indicating that natural attenuation of contaminants continues to occur, and satisfying the objectives of the remedy (long term PMM and the monitored natural attenuation remedy) selected for the Site in the ROD.

Given that SS&G has collected five years of annual groundwater and surface water data after approval of the SMP, (starting with four quarterly frequency sample events in 2020) with an overall decreasing trend in CVOC concentrations in the plume and no evident short-term (year to year) trends, SS&G requested that the surface water and groundwater sampling frequency be reduced. On the basis of the NYSDEC comment letter dated April 24, 2025, the frequency of soil vapor, surface water and groundwater monitoring will be reduced to once every 15-months from its current annual frequency. Therefore, the next groundwater and surface water sampling event, at a 15-month frequency, would be planned for December 2025. Consistent with recent historic sample events, groundwater sampling will continue to be conducted at the same subset of eleven monitoring wells (MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17s, MW-23, MW-24s, MW-26 and SS&G MW-3) and one surface water sample location (SC-1) and will be scheduled at the same time as the soil vapor point sampling event.

## 6.0 REFERENCES

Bristol Consulting and Marks Engineering, P.C., 2019, *Site Management Plan*, Modock Road Springs/DLS Sand and Gravel, Inc. Inactive Hazardous Waste Site, Town of Victor, Ontario County, New York Site Number 8-35-013, March 2019

NYSDEC, 1998, *Ambient Water Quality Standard and Guidance Values and Groundwater Effluent Limitations* - TOGS 1.1.1 (as amended January 1999, April 2000 and June 2004), Albany, New York

NYSDEC, 2010, *Record of Decision*, Modock Road Springs/DLS Sand and Gravel, Inc. Site Town of Victor, Ontario County, New York Site Number 8-35-013, January 2010

NYSDEC 2021, *Modock Springs/Syracusa Sand and Gravel, Inc., Site No. 835013 Groundwater and Surface Water Sampling Report Approval and Future Sampling Requirements*, December 21, 2020

NYSDEC, 2022, *Public Notice, State Superfund Program*, *State Superfund Site Reclassification Notice Class 2 to Class 4* Modock Springs-DLS Sand and Gravel, Inc., Site No 83513, December 2022

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# Figures

N

DEER XING
RABBIT EAR PASS
RACCOON RUN
OAK RIDGE DR
WARTERS CV
STATE ROUTE 251
MODOCK RD
GP-6
GP-3
GP-2
GP-4
SPRING PZ-2
SPRING PZ-3
SPRING PZ-1
MW-5
TEST WELL
MW-4
MW-27
PILGRIM PASS
OAKWOOD DR
NATURES WAY
CORK RD
ZEPHYR HTS
SUMMERHILL LN
CARRINGTON WAY
RAWSON RD
MW-2
MW-7
MW-6
PINE TREE DR
MW-23
MW-10
SURREY LN
RED FOX RUN
TROTWOOD LN
HUNTERS RUN
MW-24S
MW-24D
MW-21
DRYER RD
MW-22
HEATHER LN
MW-12
MW-20
MW-9
MW-8
MW-11
MW-15
MW-13
MW-14
MW-17S
MW-17D
MW-16
SS&G MW-9
SS&G MW-16
SS&G MW-15
MW-19
MW-18
SS&G MW-3
MW-26
MALONE RD
SS&G MW-2
MW-25
SS&G MW-8
SS&G MW-6
SS&G MW-4
DLS SAND AND GRAVEL
SS&G MW-5
SS&G MW-7
SS&G MW-10
SS&G MW-11

## Legend

- 1-Inch Monitoring Well [4]
- Monitoring Well [40]
- Spring Piezometer [3]
- Sampled Monitoring Well [11]
- Site Boundary

Aerial Imagery Source:
Google - https://www.google.com
Estimated: 2021

0 700 ft

DECEMBER 2024 GROUNDWATER AND SURFACE WATER SAMPLE REPORT
MODOCK RD. SPRINGS/DLS SAND & GRAVEL INC. SITE
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK
NYSDEC SITE NO. 8-35-013

FIGURE 1

SITE PLAN & GROUNDWATER
SAMPLE LOCATION MAP
(OCTOBER 2024 SAMPLE EVENT)

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N

ST-3

ST-2

ST-1

SC-1 (WATER SURFACE)

SPRINGHOUSE (INVERT)

RABBIT EAR PASS

RACCOON RUN

OAK RIDGE DR

MODOCK RD

OAKWOOD DR

IRONDEQUOIT CREEK TRIBUTARY

## Legend

- Surface Water (Sampled) [1]
- Surface Water (Not Sampled) [4]
- NYSDEC Class C Stream
- National Hydrography Dataset

Stream Source:
NYSDEC Water Quality Classifications -
https://gis.ny.gov/
5/2019

USGS National Hydrography Dataset (NHD)
2/16/2018

Aerial Imagery Source:
Google - https://www.google.com
Estimated: 2021

0 200 ft

DECEMBER 2024 GROUNDWATER AND SURFACE WATER SAMPLE REPORT
MODOCK RD. SPRINGS/DLS SAND & GRAVEL INC. SITE
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK
NYSDEC SITE NO. 8-35-013

FIGURE 2

SURFACE WATER SAMPLE LOCATION MAP
(OCTOBER 2024 SAMPLE EVENT)

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N

DEER XING
RABBIT EAR PASS
RACCOON RUN
OAK RIDGE DR
STATE ROUTE 251
WARTERS CV
GP-6
GP-3
GP-2
GP-4
MODOCK RD
PILGRIM PASS
OAKWOOD DR
CORK RD
MW-5
TEST WELL
MW-4, 635.67
MW-27
ZEPHYR HTS
SUMMERHILL LN
640
CARRINGTON WAY
RAWSON RD
MW-2
MW-7
MW-6
PINE TREE DR
HUNTERS RUN
650
SURREY LN
MW-10, 651.07
MW-23, 652.92
RED FOX RUN
TROTWOOD LN
MW-24S, 656.11
MW-24D
MW-21
660
MW-22
DRYER RD
HEATHER LN
670
MW-12
MW-20
MW-14, 705.19
MW-13, 715.45
MW-17S, 701.54
680
MW-9
MW-8
MW-11
MW-17D
MW-16, 689.24
690
MW-15, 725.8
SS&G MW-16
SS&G MW-15
MW-19
MW-18
700
SS&G MW-9
710
SS&G MW-3, 734.7
720
MW-26, 732.3
730
MALONE RD
SS&G MW-2
740
MW-25
SS&G MW-8
SS&G MW-6
SS&G MW-4
DLS SAND AND GRAVEL
SS&G MW-5
SS&G MW-7
SS&G MW-10
SS&G MW-11

## Legend

- Monitoring Well [11]
- 1-Inch Monitoring Well (Not Measured) [4]
- Monitoring Well (Not Measured) [29]
- Appx Path of Overburden Groundwater Flow
- Site Boundary
- Groundwater Elevation and Potentiometric Contour
- Streets

Aerial Imagery Source:
NYS GIS Clearinghouse - https://gis.ny.gov/
2018 NYSDOP .5 Foot Resolution

Aerial Imagery Source:
Google - https://www.google.com
Estimated: 2021

0 700 ft

DECEMBER 2024 GROUNDWATER AND SURFACE WATER SAMPLE REPORT
MODOCK RD. SPRINGS/DLS SAND & GRAVEL INC. SITE
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK
NYSDEC SITE NO. 8-35-013

FIGURE 3

GROUNDWATER CONTOUR MAP
(OCTOBER 2024 SAMPLE EVENT)

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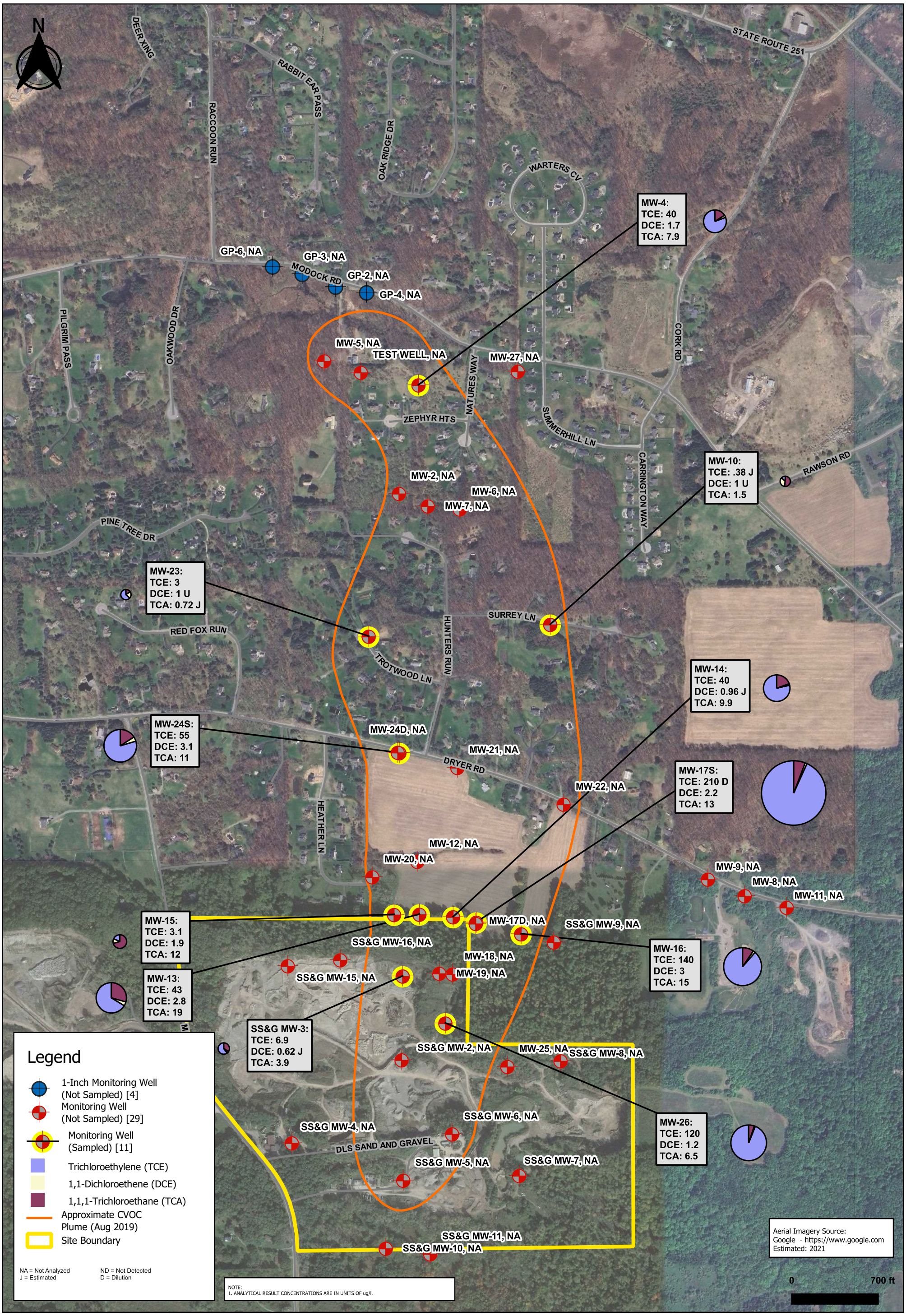


DECEMBER 2024 GROUNDWATER AND SURFACE WATER SAMPLE REPORT
MODOCK RD. SPRINGS/DLS SAND & GRAVEL INC. SITE
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK
NYSDEC SITE NO. 8-35-013

FIGURE 4

SUMMARY OF TOTAL CVOC DETECTIONS
IN GROUNDWATER
(OCTOBER 2024 SAMPLE EVENT)

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# Tables

Table 1
Summary of Monitoring Well Sampling Program
October 2024 Annual Sample Event
Modock Road Springs/DLS Sand Gravel Inc., Site
NYSDEC Site No. 8-35-013
Victor, New York

| Well ID | Well sampled for TCL VOCs | Well sampled for "Other Parameters" (SVOCs, Metals, PCBs and Pesticides) | Well Condition |
|---|---|---|---|
| MW-4 | Y | N | Good |
| MW-10 | Y | N | Good |
| MW-13 | Y | N | Protective standpipe (4" steel pipe) missing lid OK (Replaced missing lid with plastic 4" cap 8/5/20) |
| MW-14 | Y | N | Good |
| MW-15 | Y | N | Good |
| MW-16 | Y | N | Good |
| MW-17S | Y | N | Protective standpipe (box type) bent over (has been struck). Unable to develop well, could not get 2" submersible past kink in PVC well casing. Stood standpipe back up vertical. Able to sample with PDB ok (October 2020). |
| MW-23 | Y | N | PVC riser is damaged, preventing J plug from sealing properly, surface grade well not water tight. Cut and removed 3/4" from PVC riser to repair and allow J plug to seal properly at top of well (10/19/22). The revised top of casing (TOC) elevation is reflected on the PDB sampling form. |
| MW-24S | Y | N | Good |
| MW-26 | Y | N | Good |
| SS&G MW-3 | Y | N | Protective standpipe (4" steel pipe) missing cover. PVC riser fractured at top. OK placed 2" PVC slip cap over PVC riser and 5-gallon pail over standpipe 8/5/20) |

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-2 8/21/2019 | MW-4 8/21/2019 | MW-4 8/5/2020 | MW-4 10/22/2020 | MW-4 2/3/2021 | MW-4 4/21/2021 | MW-4 10/19/22 | MW-4 10/16/2023 | MW-4 10/4/2024 | MW-5 8/21/2019 | MW-6 8/21/2019 | MW-7 8/21/2019 | MW-8 8/21/2019 | MW-9 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | **2.1** | **8.4** | **8.5** | **9.5** | **8.3** | **7.9** | **9** | **6.9** | **7.9** | **0.73 J** | **6.8** | **10** | 0.21 U | 0.21 U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | **0.37 J** | **0.31 J** | **0.49** | **0.35 J** | **0.33 J** | **0.62 J** | **0.52 J** | **0.66 J** | 0.2 U | 0.2 U | **0.82 J** | 0.2 U | 0.2 U |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | **0.61 J** | **2.1** | **1.7** | **2.2** | **1.8** | **1.8** | **2.1** | **1.6** | **1.7** | **0.28 JN** | **1.1** | **2.7** | 0.25 U | 0.25 U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.25 U | 0.34 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 13 U | 13 U | 13 U | 13 U | 13 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 67-64-1 | Acetone | 50* | ug/L | **15 J** | **13** | 5 UJ | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ | **13** | **14** | **12 J** | **15** | **11** |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | **0.33 J** | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 U | 0.25 U | 0.25 UJ | 0.25 UJ | 0.25 UJ |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 U | 0.7 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | **0.51 J** | 0.24 U | **0.29** | **0.29 J** | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | **0.61 J** | 0.24 U | 0.24 U | 0.24 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | **0.28 J** | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | **0.31 J** | 0.28 U | 1 U | 1 U | 1 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **4.9** | **48** | **45** | **53** | **44** | **42** | **39** | **40** | **40** | **1.8** | **26** | **48** | 0.2 U | 0.2 U |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |

NOTES:

* = Guidance Value

Bolded results detected above the Reporting Limit.

Highlighted results exceed NYS standard

U = Not detected. Reporting limit shown.

NL = Not Listed  D = Dilution

J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-10 8/21/2019 | MW-10 8/5/2020 | MW-10 10/22/2020 | MW-10 2/3/2021 | MW-10 4/21/2021 | MW-10 10/19/22 | MW-10 10/16/2023 | MW-10 10/4/2024 | MW-11 8/21/2019 | MW-12 8/21/2019 | MW-13 8/21/2019 | MW-13 8/5/2020 | MW-13 10/22/2020 | MW-13 2/3/2021 | MW-13 4/21/2021 | MW-13 10/19/22 | MW-13 10/16/2023 | MW-13 10/4/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | **1.9** | **2.8** | **3.6** | **2.6** | **2.6** | **1.5** | **1.6** | **1.5** | 0.21 U | **3.8** | **30** | **34** | **45** | **41** | **36** | **33** | **21** | **19** |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | 0.25 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | **0.52 J** | **4.6** | **6.3** | **7.3** | **7.4** | **7.2** | **4.6** | **3.4** | **2.8** |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.34 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.34 UJ | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 UJ | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 13 U | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U |
| 67-64-1 | Acetone | 50* | ug/L | **13** | 5 UJ | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ | 1 U | **20** | **16** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 UJ | 0.7 UJ | 0.7 U | 0.7 U | 0.7 UJ | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 1 U | 0.28 U | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.21 U | 0.21 U | **0.41 J** | **0.25 J** | **0.28** | **0.28 J** | **0.35 J** | **0.28 J** | **0.33 J** | **0.42 J** |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **0.44 J** | **0.48 J** | **0.53** | **0.28 J** | **0.46 J** | **0.37 J** | **0.33 J** | **0.38 J** | 0.2 U | 0.2 U | **53** | **46** | **52** | **46** | **44** | **40** | **42** | **43** |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-14 8/21/2019 | MW-14 8/5/2020 | MW-14 10/22/2020 | MW-14 2/3/2021 | MW-14 4/21/2021 | MW-14 10/19/22 | MW-14 10/16/2023 | MW-14 10/4/2024 | MW-15 8/21/2019 | MW-15 8/5/2020 | MW-15 10/22/2020 | MW-15 2/3/2021 | MW-15 4/21/2021 | MW-15 10/19/22 | MW-15 10/16/2023 | MW-15 10/4/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | **14** | **14** | **14** | **10** | **12** | **10** | **9.2** | **9.9** | **18** | **18** | **25** | **22** | **26** | **12** | **12** | **12** |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | **2** | **2.2** | **1.8** | **1.5** | **1.9** | **1** | **0.97 J** | **0.96 J** | **3.2** | **3.3** | **4.9** | **4** | **5.5 J** | **1.9** | **2.1** | **1.9** |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.34 UJ | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.25 U | 0.34 UJ | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U |
| 67-64-1 | Acetone | 50* | ug/L | **12** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ | **16** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 UJ | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 UJ | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.7 U | 0.7 UJ | 1.0 UJ | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.34 U | 1.0 UJ | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 UJ | 2 U | 2 U | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | **0.61 J** | **0.73 J** | **0.88** | **0.57 J** | **0.72 J** | **0.63 J** | **0.53 J** | **0.57 J** | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **59** | **56** | **61** | **46** | **47** | **45** | **40** | **40** | **1** | **1.1** | **1.2** | **1.1** | **1.8** | **1.6** | **2** | **3.1** |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-16 8/21/2019 | MW-16 8/5/2020 | MW-16 10/22/2020 | MW-16 2/3/2021 | MW-16 4/21/2021 | MW-16 10/19/22 | MW-16 10/16/2023 | MW-16 10/4/2024 | MW-17D 8/21/2019 | MW-17S 8/21/2019 | MW-17S 8/5/2020 | MW-17S 10/22/2020 | MW-17S 2/3/2021 | MW-17S 4/21/2021 | MW-17S 10/19/22 | MW-17S 10/16/2023 | MW-17S 10/4/2024 | MW-18 8/21/2019 | MW-20 8/21/2019 | MW-21 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | **19** | **17** | **20** | **21** | **17** | **14** | **14** | **15** | 0.21 U | **22** | **20** | **22** | **21 D** | **20** | **3.8** | **14** | **13** | **5.6** | **1.4** | **5.1** |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | **1.2 J** | **0.72 J** | **0.85** | 5 U | **0.73 J** | **0.41 J** | **0.54 J** | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | **0.71 J** | **0.81** | **0.82 J** | 1 U | **0.56 J** | **0.68 J** | **0.77 J** | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | **0.3 J** |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | **3.5** | **4.1** | **4.3** | **4.9** | **4.1** | **2.5** | **2.9** | **3** | 0.25 U | **5.3** | **3.5** | **4.7** | **3.7 DJ** | **4.2** | **0.56 J** | **2.4** | **2.2** | **1.2** | **0.31 J** | **1.6** |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.5 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.34 UJ | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.25 U | 0.5 U | 0.68 UJ | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.25 U | 0.25 U | 0.25 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ | 0.45 U | 0.9 U | 0.9 U | 5.0 U | 10 U | 5 U | 2.0 U | 2 UJ | 4 UJ | 0.45 U | 0.45 U | 0.45 U |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U | 13 U | 26 U | 26 U | 100 U | 200 U | 100 U | 40 U | *40 U* | 80 U | 13 U | 13 U | 13 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 U | 0.78 U | 1.6 U | 1.6 U | 13 U | 25 U | 13 U | 5.0 U | 5 U | 10 U | 0.78 U | 0.78 U | 0.78 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.4 U | 0.4 U | 13 U | 25 U | 13 U | 5.0 U | 5 U | 10 U | 0.2 U | 0.2 U | 0.2 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U | 0.2 U | 0.4 U | 0.4 U | 13 U | 25 U | 13 U | 5.0 U | *5 U* | 10 U | 0.2 U | 0.2 U | 0.2 U |
| 67-64-1 | Acetone | 50* | ug/L | **14** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ | **15** | **19** | 10 U | 13 U | 25 U | 13 U | 5.0 U | 5 U | 10 UJ | **13** | **15** | **14** |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.48 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.24 U | 0.24 U | 0.24 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.44 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.22 U | 0.22 U | 0.22 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 UJ | 0.5 UJ | 0.5 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 UJ | 2 U | 0.25 UJ | 0.25 UJ | 0.25 U |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 UJ | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.7 U | 1.4 U | 1.4 UJ | 2.5 U | 5 UJ | 2.5 U | 1.0 U | 1 U | 2 U | 0.7 U | 0.7 U | 0.7 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.5 U | 0.84 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.25 U | 0.25 U | 0.25 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.68 U | 0.68 U | 2.5 U | 5 UJ | 2.5 U | 1.0 U | 1 U | 2 U | 0.34 U | 0.34 U | 0.34 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.46 U | 0.46 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.23 U | 0.23 U | 0.23 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | **0.78 J** | 0.48 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.24 U | 0.24 U | 0.24 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.28 U | 0.56 U | 0.56 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.28 U | 1 U | 0.28 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.26 U | 0.52 U | 0.52 U | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.26 U | 0.26 U | 0.26 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ | 0.21 U | 0.42 U | 0.42 U | 2.5 U | 5 U | 2.5 U | 1.0 UJ | 1 U | 2 UJ | 0.21 U | 0.21 U | 0.21 U |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.72 U | 1.3 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.36 U | 0.36 U | 0.36 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 UJ | 2 U | 2 U | 0.33 U | 0.66 U | 0.66 U | 5.0 U | 10 U | 5 U | **0.59 BJ** | 2 U | 4 U | 0.33 U | 0.33 U | 0.33 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | **0.42 J** | **0.4 J** | **0.36** | **0.4 J** | **0.44 J** | **0.4 J** | **0.36 J** | **0.45 J** | 0.21 U | **1.2 J** | **1.3 J** | **1.5** | **1.6 DJ** | **1.2 J** | **0.27 J** | **0.98 J** | **0.82 J** | **2.1** | 0.21 U | 0.21 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | **0.23 J** | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **150** | **140** | **160** | **170** | **130** | **130** | **120** | **140** | 0.2 U | **320** | **300** | **340** | **290 D** | **280** | **96** | **210 D** | **210** | **45** | 0.2 U | **29** |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.48 U | 0.48 U | 2.5 UJ | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.24 U | 0.24 U | 0.24 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 UJ | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | **0.3 J** | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | **0.68 J** | 0.46 U | 2.5 U | 5 U | 2.5 U | 1.0 U | **0.24 J** | 2 U | 0.23 U | 0.23 U | 0.23 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | *1 U* | 2 U | 0.2 U | 0.2 U | 0.2 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.4 U | 0.4 U | 5.0 U | 10 U | 5 U | 2.0 U | 2 U | 4 U | 0.2 U | 0.2 U | 0.2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.4 U | 0.4 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.46 U | 0.46 U | 2.5 U | 5 U | 2.5 U | 1.0 U | 1 U | 2 U | 0.23 U | 0.23 U | 0.23 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-22 8/21/2019 | MW-23 8/21/2019 | MW-23 8/5/2020 | MW-23 10/22/2020 | MW-23 2/3/2021 | MW-23 4/21/2021 | MW-23 10/19/22 | MW-23 10/16/2023 | MW-23 10/4/2024 | MW-24D 8/21/2019 | MW-24S 8/21/2019 | MW-24S 8/5/2020 | MW-24S 10/22/2020 | MW-24S 2/3/2021 | MW-24S 4/21/2021 | MW-24S 10/19/22 | MW-24S 10/16/2023 | MW-24S 10/4/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | 0.21 U | 0.21 U | 0.2 U | 1.0 U | **0.46 J** | **0.97 J** | 1.0 U | **0.54 J** | **0.72 J** | **7.7** | **15** | **16** | **19** | **14** | **13** | **13** | **11** | **11** |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | **1.5** | **0.35 J** | **0.87 J** | **1.3** | **1.4** | **1.7** | **1.6** | **1.4** | **1.4** | **1.5** | **1.4** |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | 0.25 U | 0.25 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | **0.2 J** | 1 U | **1.6** | **4.4** | **5.9** | **6.1** | **4.6** | **5.1** | **3.8** | **3.6** | **3.1** |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.25 U | 0.34 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.25 U | 0.25 U | 0.34 UJ | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 U | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U |
| 67-64-1 | Acetone | 50* | ug/L | **15 J** | **12** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ | **8.4** | **13** | 5 U | 5.0 U | 5 U | 5 U | 5.0 UJ | 5 U | 5 UJ |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 U | 0.25 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 U | 0.7 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 UJ | 0.7 U | 0.7 U | 0.7 UJ | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 74-87-3 | Chloromethane | NL | ug/L | 1 U | **0.29 J** | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | **0.35 J** | **0.36 J** | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | **2** | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.21 U | **0.34 BJ** | 0.21 U | **0.28** | **0.24 J** | **0.26 J** | 1.0 U | 1 U | 1 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **0.21 JN** | **0.3 J** | **0.83 J** | **0.43** | **0.97 J** | **1.2** | **0.23 J** | **3.9** | **3** | **31** | **72** | **80** | **94** | **69** | **63** | **71** | **58** | **55** |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | **1.4** | **0.92 J** | 0.23 U | 0.23 U | **0.35 J** | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | **0.34 J** | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | MW-26 8/21/2019 | MW-26 8/5/2020 | MW-26 DUP080520 8/5/2020 | MW-26 10/22/2020 | MW-26 DUP102220B 10/22/2020 | MW-26 2/3/2021 | MW-26 DUP020321B 2/3/2021 | MW-26 4/21/2021 | MW-26 DUP042121B 4/21/2021 | MW-26 10/19/22 | MW-26 DUP101922B 10/19/22 | MW-26 10/16/2023 | MW-26 DUP 101623 B 10/16/2023 | MW-26 10/4/2024 | MW-26 DUP100424 B 10/4/2024 | MW-27 8/21/2019 | TEST WELL 8/21/2019 | Spring PZ-1 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | **8.3** | **7.4** | **7** | **7.7** | **8.4** | **7.2** | **7.1** | **6.3** | **6.9** | **6.4** | **6.5** | **6.5** | **6.5** | **6.1** | **6.5** | 0.21 U | **1.4** | 0.21 U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | **1.6** | **1.3** | **1.1** | **1.2** | **1.4** | **1.3** | **1.1** | 1 U | **1.2** | **0.94 J** | **0.98 J** | **0.98 J** | **1** | **0.95 J** | **1.1** | 0.2 U | 0.2 U | 0.2 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | **0.44 J** | **0.27 J** | 0.2 U | **0.27** | **0.28** | 1 U | **0.32 J** | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | **0.21 J** | 1 U | 1 U | 0.2 U | **0.51 J** | 0.2 U |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | **1.9** | **1.6** | **1.4** | **1.7** | **1.8** | **1.5** | **1.5** | **1.7** | **1.6** | **1.2** | **1.2** | **1.6** | **1.5** | **1.2** | **1.2** | 0.25 U | **0.92 J** | 0.25 U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.25 U | 0.25 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.34 UJ | 0.34 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 U | 2.0 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 0.45 U | 0.45 U | 0.45 U |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | *40 U* | *40 U* | 40 U | 40 U | 13 U | 13 U | 13 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 UJ | 5.0 UJ | 5 U | 5 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 U | 5.0 U | *5 U* | *5 U* | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U |
| 67-64-1 | Acetone | 50* | ug/L | **14** | 5 U | 5 UJ | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | **5.1 J** | 5.0 UJ | 5 U | 5 U | 5 UJ | 5 UJ | **9.2** | **13** | **13** |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.22 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 0.25 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 UJ | 0.7 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.7 U | 0.7 U | 0.7 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.42 U | 0.42 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 0.24 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | 0.28 U | 0.28 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | **0.33 J** | **0.48 J** | **0.36 J** |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.26 U | 0.26 U | 0.26 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 UJ | 1.0 UJ | 1 U | 1 U | 1 UJ | 1 UJ | 0.21 U | 0.21 U | 0.21 U |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.65 U | 0.65 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.36 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 0.33 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 UJ | 2.0 UJ | 2 U | 2 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | **2.1** | **2.2** | **1.7** | **1.7** | **2.3** | **2** | **1.8** | **1.9** | **1.9** | **2.4** | **2.1** | **1.8** | **2.3** | **1.7** | **2.4** | 0.21 U | 0.21 U | 0.21 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | **120** | **120** | **110** | **130** | **140** | **110** | **110** | **100** | **100** | **110** | **110** | **110** | **100** | **98** | **120** | 0.2 U | **20** | **0.27 J** |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1.0 UJ | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 UJ | 1.0 UJ | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 2
OCTOBER 2024 GROUNDWATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class GA Standards | Unit | GP-02 8/21/2019 | GP-03 8/21/2019 | GP-04 8/21/2019 | GP-06 8/21/2019 | SS&G MW-3 8/21/2019 | SS&G MW-3 8/5/2020 | SS&G MW-3 10/22/2020 | SS&G MW-3 2/3/2021 | SS&G MW-3 4/21/2021 | SS&G MW-3 10/19/22 | SS&G MW-3 10/16/2023 | SS&G MW-3 10/4/2024 | SS&G MW-4 8/21/2019 | SS&G MW-5 8/21/2019 | SS&G MW-7 8/21/2019 | SS&G MW-8 8/21/2019 | SS&G MW-15 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 0.21 U | **8.1** | **4.1** | **5.1** | **4.3** | **4.2** | **4.3** | **3.9** | **3.9** | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-34-3 | 1,1-Dichloroethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 5 | ug/L | 0.25 U | 0.25 U | 0.25 U | 0.25 U | **1.3** | **0.88 J** | **0.78** | **0.65 J** | **0.66 J** | **0.63 J** | **0.59 J** | **0.62 J** | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | ug/L | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.34 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.04 | ug/L | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 UJ | 2 UJ | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-50-1 | 1,2-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 107-06-2 | 1,2-Dichloroethane | 0.6 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 78-87-5 | 1,2-Dichloropropane | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 541-73-1 | 1,3-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 106-46-7 | 1,4-Dichlorobenzene | 3 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NL | ug/L | 13 U | 13 U | 13 U | 13 U | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | *40 U* | 40 U | 13 U | 13 U | 13 U | 13 U | 13 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 50* | ug/L | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U |
| 591-78-6 | 2-Hexanone | 50* | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 5.0 U | 5 U | 5 U | 5.0 U | *5 U* | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 67-64-1 | Acetone | 50* | ug/L | **11** | **11** | **17** | **16** | **17** | 5 UJ | 5.0 U | 5 U | 5 U | 5.0 U | 5 U | 5 UJ | **17** | **12** | **15** | **17** | **22** |
| 71-43-2 | Benzene | 1 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 74-97-5 | Bromochloromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-27-4 | Bromodichloromethane | 50* | ug/L | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U |
| 75-25-2 | Bromoform | 50* | ug/L | 0.25 UJ | 0.25 U | 0.25 U | 0.25 U | 0.25 UJ | 0.25 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 UJ | 1 U | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 UJ |
| 74-83-9 | Bromomethane | 5 | ug/L | 0.7 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.7 U | 0.7 UJ | 0.7 U | 0.7 U | 0.7 U |
| 75-15-0 | Carbon Disulfide | 60* | ug/L | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.42 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 56-23-5 | Carbon Tetrachloride | 5 | ug/L | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 1.0 U | 1 UJ | 1 U | 1.0 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U |
| 108-90-7 | Chlorobenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-00-3 | Chloroethane | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 67-66-3 | Chloroform | 7 | ug/L | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 74-87-3 | Chloromethane | NL | ug/L | 0.28 U | **0.3 J** | 0.28 U | **0.3 J** | 0.28 U | 0.28 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.28 U | 0.28 U | 1 U | 0.28 U | 0.28 U |
| 110-82-7 | Cyclohexane | NL | ug/L | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U |
| 124-48-1 | Dibromochloromethane | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-71-8 | Dichlorodifluoromethane | 5 | ug/L | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 UJ | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 75-09-2 | Methylene Chloride | 5 | ug/L | 0.36 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U | 0.65 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U |
| 100-41-4 | Ethylbenzene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 98-82-8 | Isopropylbenzene (Cumene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-20-9 | Methyl Acetate | NL | ug/L | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-87-2 | Methylcyclohexane | NL | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 100-42-5 | Styrene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 127-18-4 | Tetrachloroethylene (PCE) | 5 | ug/L | 0.21 U | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 108-88-3 | Toluene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-01-6 | Trichloroethylene (TCE) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | **9** | **5.1** | **5.2** | **4.4** | **4.7** | **9.5** | **4.8** | **6.9** | 0.2 U | **13** | 0.2 U | 0.2 U | 0.2 U |
| 75-69-4 | Trichlorofluoromethane | 5 | ug/L | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 1.0 UJ | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-01-4 | Vinyl Chloride | 2 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 UJ | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | 5 | ug/L | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | 0.4 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | *1 U* | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2.0 U | 2 U | 2 U | 2.0 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-60-5 | Trans-1,2-Dichloroethene | 5 | ug/L | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 0.4 | ug/L | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 1.0 U | 1 U | 1 U | 1.0 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |

NOTES:
* = Guidance Value
Bolded results detected above the Reporting Limit.
Highlighted results exceed NYS standard
U = Not detected. Reporting limit shown.
NL = Not Listed  D = Dilution
J = Estimated  JN = The analyte is "presumtively present".  The associated result is an approximate concentration.

Table 3
OCTOBER 2024 SURFACE WATER VOCs ANALYTICAL DATA (green shading)
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

| CAS No. | Volatile Organic Compounds | NYS Class C Standards for Detected Compounds | Unit | SC-1 8/22/2019 | SC-1 8/5/2020 | SC-1 10/22/2020 | SC-1 DUP102220A 10/22/2020 | SC-1 2/3/2021 | SC-1 DUP020321A 2/3/2021 | SC-1 4/21/2021 | SC-1 DUP042121A 4/21/2021 | SC-1 10/19/22 | SC-1 DUP101922A 10/19/22 | SC-1 10/16/2023 | SC-1 DUP 101623 A 10/16/2023 | SC-1 10/4/2024 | SC-1 DUP100424 A 10/4/2024 | SPRING HOUSE 8/22/2019 | ST-1 8/22/2019 | ST-2 8/22/2019 | ST-3 8/22/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | NL | ug/L | **5.9** | **6.3** | **7.6** | **7.5** | **6.2** | **6.1** | **6.8** | **6.5** | **5** | **5.1** | **4.6** | **4.6** | **5** | **4.9** | **6.4** | **1.9** | **0.66 J** | 0.21 U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-00-5 | 1,1,2-Trichloroethane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 26523-64-8 | Trichlorotrifluoroethane (Freon-113) | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-34-3 | 1,1-Dichloroethane | NL | ug/L | **0.48 J** | **0.4 J** | **0.41** | **0.43** | **0.35 J** | **0.42 J** | **0.44 J** | **0.43 J** | **0.37 J** | **0.36 J** | **0.4 J** | **0.48 J** | **0.4 J** | **0.41 J** | **0.48 J** | 0.2 U | 0.2 U | 0.2 U |
| 75-35-4 | 1,1-Dichloroethene (1.1-DCE) | NL | ug/L | **1.2** | **1.6** | **1.9** | **1.9** | **1.6** | **1.3** | **1.7** | **2** | **1** | **1** | **1.1** | **1.1** | **1.1** | **1.1** | **1.5** | **0.29 J** | 0.25 U | 0.25 U |
| 87-61-6 | 1,2,3-Trichlorobenzene | NA | ug/L | 0.2 U | 0.25 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 120-82-1 | 1,2,4-Trichlorobenzene | NA | ug/L | 0.25 U | 0.34 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | NA | ug/L | 0.45 U | 0.45 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 U | 2.0 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 0.45 U | 0.45 U | 0.45 U | 0.45 U |
| 106-93-4 | 1,2-Dibromoethane (Ethylene Dibromide) | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-50-1 | 1,2-Dichlorobenzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 107-06-2 | 1,2-Dichloroethane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 78-87-5 | 1,2-Dichloropropane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 541-73-1 | 1,3-Dichlorobenzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 106-46-7 | 1,4-Dichlorobenzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 123-91-1 | 1,4-Dioxane (P-Dioxane) | NA | ug/L | 13 U | 13 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | *40 U* | *40 U* | 40 U | 40 U | 13 U | 13 U | 13 U | 13 U |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | NA | ug/L | 0.78 U | 0.78 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 U | 5.0 UJ | 5 U | 5 U | 5 U | 5 U | 0.78 U | 0.78 U | 0.78 U | 0.78 U |
| 591-78-6 | 2-Hexanone | NA | ug/L | 0.2 U | 0.2 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-10-1 | Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NA | ug/L | 0.2 U | 0.2 U | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 U | 5.0 U | *5 U* | *5 U* | 5 U | 5 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 67-64-1 | Acetone | NA | ug/L | 6.7 U | 5 UJ | 5.0 U | 5.0 U | 5 U | 5 U | 5 U | 5 U | 5.0 UJ | 5.0 UJ | 5 U | 5 U | 5 UJ | 5 UJ | 7.1 U | 11 U | 7.7 U | 12 U |
| 71-43-2 | Benzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 74-97-5 | Bromochloromethane | NA | ug/L | 0.24 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-27-4 | Bromodichloromethane | NA | ug/L | 0.22 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U |
| 75-25-2 | Bromoform | NA | ug/L | 0.25 UJ | 0.25 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 UJ |
| 74-83-9 | Bromomethane | NA | ug/L | 0.7 U | 0.7 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.7 U | 0.7 U | 0.7 U | 0.7 U |
| 75-15-0 | Carbon Disulfide | NA | ug/L | 0.25 U | 0.42 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| 56-23-5 | Carbon Tetrachloride | NA | ug/L | 0.34 U | 0.34 U | 1.0 U | 1.0 U | 1 UJ | 1 UJ | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.34 U | 0.34 U | 0.34 U | 0.34 U |
| 108-90-7 | Chlorobenzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-00-3 | Chloroethane | NA | ug/L | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 67-66-3 | Chloroform | NL | ug/L | **0.31 J** | 0.24 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 74-87-3 | Chloromethane | NA | ug/L | 1 U | 0.28 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.28 U | 0.28 U | 0.28 U | 0.28 U |
| 110-82-7 | Cyclohexane | NA | ug/L | 0.26 U | 0.26 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.26 U | 0.26 U | 0.26 U | 0.26 U |
| 124-48-1 | Dibromochloromethane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 75-71-8 | Dichlorodifluoromethane | NA | ug/L | 0.21 U | 0.21 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 UJ | 1.0 UJ | 1 U | 1 U | 1 UJ | 1 UJ | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 75-09-2 | Methylene Chloride | NA | ug/L | 0.36 U | 0.65 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.36 U | 0.36 U | 0.36 U | 0.36 U |
| 100-41-4 | Ethylbenzene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 98-82-8 | Isopropylbenzene (Cumene) | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-20-9 | Methyl Acetate | NA | ug/L | 0.33 U | 0.33 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 U | 2.0 UJ | 2 U | 2 U | 2 U | 2 U | 0.33 U | 0.33 U | 0.33 U | 0.33 U |
| 1634-04-4 | Tert-Butyl Methyl Ether | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 108-87-2 | Methylcyclohexane | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 100-42-5 | Styrene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 127-18-4 | Tetrachloroethylene (PCE) | NA | ug/L | 0.21 U | 0.21 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 108-88-3 | Toluene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 79-01-6 | Trichloroethylene (TCE) | 40 | ug/L | **30** | **34** | **37** | **37** | **31** | **28** | **33** | **32** | **30** | **31** | **26** | **26** | **27** | **28** | **32** | **9.4** | **2.9** | **0.69 J** |
| 75-69-4 | Trichlorofluoromethane | NA | ug/L | 0.24 U | 0.24 U | 1.0 UJ | 1.0 UJ | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.24 U | 0.24 U | 0.24 U | 0.24 U |
| 75-01-4 | Vinyl Chloride | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 UJ | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-59-2 | Cis-1,2-Dichloroethylene | NA | ug/L | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |
| 10061-01-5 | Cis-1,3-Dichloropropene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | *1 U* | *1 U* | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| XYLMP | M,P-Xylene (Sum Of Isomers) | NA | ug/L | 0.2 U | 0.2 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 2.0 U | 2.0 U | 2 U | 2 U | 2 U | 2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 95-47-6 | O-Xylene (1,2-Dimethylbenzene) | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 156-60-5 | Trans-1,2-Dichloroethene | NA | ug/L | 0.2 U | 0.2 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 10061-02-6 | Trans-1,3-Dichloropropene | NA | ug/L | 0.23 U | 0.23 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 1.0 U | 1.0 U | 1 U | 1 U | 1 U | 1 U | 0.23 U | 0.23 U | 0.23 U | 0.23 U |

NOTES:

* = Guidance Value

Bolded results detected above the Reporting Limit.

Highlighted results exceed NYS standard

U = Not detected. Reporting limit shown.

J = Estimated

NL = Not Listed

NA = Standard not applicable because the analyte was not detected.

Table 4 - Historic Data and Trends CVOCs
Modock Rd. Springs/DSL Sand Gravel Inc. Site (NYSEC Site No. 8-35-013)
Victor, New York

| **MW-4** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/6/2007 | 7/1/2008 | 5/6/2009 | 9/21/2009 | 8/10/2010 | 10/30/2011 | 9/8/2015 | 8/21/2019 | 8/5/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | 160 | 160 | 200 | 240 | 200 | 180 | NS | 140 | NS | 150 | NS | 200 | NS | NS | 130 | 100 | 120 | 100 | 120 | 120 | 20.7 | 82 | 48 | 45 |
| TCA | NS | 110 | 96 | 150 | 140 | 110 | 74 | NS | 85 | NS | 72 | NS | 79 | NS | NS | 41 | 36 | 40 | 34 | 35 | 34 | 14.3 | 17 | 8.4 | 8.5 |
| DCE | NS | 6.9 | 5.1 | 7 | 5.6 | 7.7 | 7.4 | NS | 9.7 | NS | 11 | NS | 10 | NS | NS | 6 | 5 | 5 | 4 | 6.5 | 6.2 | 0 | 0 | 2.1 | 1.7 |
| TCVOCs | NS | 276.9 | 261.1 | 357 | 385.6 | 317.7 | 261.4 | NS | 234.7 | NS | 233 | NS | 289 | NS | NS | 177 | 141 | 165 | 138 | 161.5 | 160.2 | 35 | 99 | 58.5 | 55.2 |

| **MW-10** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/6/2007 | 6/30/2008 | 5/6/2009 | 9/21/2009 | 8/10/2010 | 10/30/2011 | 9/8/2015 | 8/21/2019 | 8/5/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | 0 | NS | NS | NS | NS | NS | NS | 0 | 1 | 0 | NS | NS | 0.7 | 20.8 | 0 | 0.44 | 0.48 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | 3.2 | NS | NS | NS | NS | NS | NS | 2 | 3 | 3 | NS | NS | 2.9 | 0 | 0 | 1.9 | 2.8 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | 0 | NS | NS | NS | NS | NS | NS | 0 | 0 | 0 | NS | NS | 0 | 0 | 0 | 0 | 0 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | 3.2 | NS | NS | NS | NS | NS | NS | 2 | 4 | 3 | NS | NS | 3.6 | 20.8 | 0 | 2.34 | 3.28 |

| **MW-13** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/6/2007 | 6/30/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | 610 | 450 | 340 | NS | NS | NS | 180 | 150 | 150 | 150 | 150 | 150 | 31.8 | 104 | 32 | 53 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | 540 | 400 | 260 | NS | NS | NS | 180 | 150 | 180 | 170 | 130 | 120 | 37.8 | 71.9 | 7.8 | 30 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | 66 | 58 | 31 | NS | NS | NS | 31 | 20 | 24 | 23 | 23 | 20 | 0 | 11.2 | 0 | 4.6 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | 1216 | 908 | 631 | NS | NS | NS | 391 | 320 | 354 | 343 | 303 | 290 | 69.6 | 187.1 | 39.8 | 87.6 |

| **MW-14** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/6/2007 | 6/30/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 9/8/2015 | 8/21/2019 | 8/5/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | 11000 | 3300 | 1000 | 950 | 1400 | 2600 | 470 | 1100 | 410 | 450 | 550 | 150 | 166 | 120 | 59 | 56 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | 4600 | 880 | 210 | 200 | 280 | 360 | 150 | 250 | 120 | 110 | 100 | 31 | 41.4 | 25 | 14 | 14 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | 570 | 120 | 32 | 28 | 54 | 45 | 23 | 38 | 16 | 14 | 17 | 5.3 | 5.06 | 0 | 2 | 2.2 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | 16170 | 4300 | 1242 | 1178 | 1734 | 3005 | 643 | 1388 | 546 | 574 | 667 | 186.3 | 212.46 | 145 | 75 | 72.2 |

| **MW-15** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/7/2007 | 6/30/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/30/2011 | 9/8/2015 | 8/21/2019 | 8/5/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 1.8 | 0 | 1 | NS | 2.7 | 19.1 | 0 | 1 | 1.1 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 60 | 57 | 65 | NS | 45 | 12.8 | 19 | 18 | 18 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 11 | 21 | 10 | NS | 8.7 | 0 | 0 | 3.2 | 3.3 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 72.8 | 78 | 76 | NS | 56.4 | 31.9 | 19 | 22.2 | 22.4 |

| **MW-16** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/14/2007 | 7/1/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/30/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 350 | 340 | 520 | NS | 450 | 51.6 | 464 | 250 | 150 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 98 | 120 | 150 | NS | 86 | 53 | 82.6 | 42 | 19 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 19 | 21 | 25 | NS | 0 | 2.41 | 17.2 | 9.3 | 3.5 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 467 | 481 | 695 | NS | 536 | 107.01 | 563.8 | 301.3 | 172.5 |

| **MW-17S** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/14/2007 | 7/1/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 850 | 2300 | 3700 | NS | 2700 | 77.3 | 1220 | 480 | 320 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 81 | 330 | 410 | NS | 250 | 65.6 | 102 | 43 | 22 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 26 | 55 | 120 | NS | 62 | 2.74 | 21.5 | 8.3 | 5.3 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 957 | 2685 | 4230 | NS | 3012 | 145.64 | 1343.5 | 531.3 | 347.3 |

| **MW-23** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/14/2007 | 8/20/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 3 | 47 | NS | 3.6 | 21.6 | NS | 0 | 0.3 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 1 | 13 | NS | 2.6 | 6.7 | NS | 0 | 0 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0 | 2 | NS | 0 | 0 | NS | 0 | 0 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 4 | 62 | NS | 6.2 | 28.3 | NS | 0 | 0.3 |

| **MW-24S** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/14/2007 | 8/20/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 210 | 190 | NS | 150 | 24.1 | NS | 110 | 72 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 62 | 64 | NS | 46 | 20.4 | NS | 27 | 15 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 9 | 9 | NS | 10 | 0 | NS | 6.8 | 4.4 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 281 | 263 | NS | 206 | 44.5 | NS | 143.8 | 91.4 |

| **MW-26** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 5/23/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/14/2007 | 8/20/2008 | 5/5/2009 | 9/21/2009 | 8/10/2010 | 10/30/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 4 | NS | NS | NS | NS | NS | NS | 120 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0 | NS | NS | NS | NS | NS | NS | 8.3 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0 | NS | NS | NS | NS | NS | NS | 1.9 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 4 | NS | NS | NS | NS | NS | NS | 130.2 |

| **SS&G MW-3** | 8/2/1995 | 8/11/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 10/13/1999 | 11/9/1999 | 11/10/2000 | 4/24/2001 | 10/31/2003 | 11/18/2004 | 3/2/2005 | 9/15/2006 | 11/17/2006 | 6/7/2007 | 7/1/2008 | 5/6/2009 | 9/21/2009 | 8/10/2010 | 11/1/2011 | 12/28/2011 | 9/8/2015 | 8/21/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 327 | NS | NS | NS | NS | NS | 28 | 18 | 24 | 25 | 16 | 6.39 | NS | 13 | 9 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 224 | NS | NS | NS | NS | NS | 45 | 29 | 40 | 30 | 19 | 16 | NS | 9.1 | 8.1 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 52.9 | NS | NS | NS | NS | NS | 6 | 4 | 5 | 5.4 | 3.8 | 0 | NS | 0 | 1.3 |
| TCVOCs | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 603.9 | NS | NS | NS | NS | NS | 79 | 51 | 69 | 60.4 | 38.8 | 22.39 | NS | 22.1 | 18.4 |

| **SC-1** | 4/9/1990 | 8/7/1990 | 4/2/1992 | 11/3/1992 | 9/14/1993 | 6/8/1994 | 4/10/1995 | 8/2/1995 | 8/25/1995 | 8/7/1996 | 4/24/1997 | 7/29/1997 | 4/30/1998 | 11/9/1999 | 5/9/2000 | 5/23/2001 | 11/18/2004 | 9/15/2006 | 11/17/2006 | 2/15/2007 | 5/10/2007 | 6/11/2007 | 10/4/2007 | 4/24/2008 | 5/14/2008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | NS | NS | NS | NS | NS | NS | NS | NS | 110 | NS | NS | NS | NS | NS | 110 | NS | NS | NS | 73 | 100 | 84 | 88 | 110 | 88 | 84 |
| TCA | NS | NS | NS | NS | NS | NS | NS | NS | 64 | NS | NS | NS | NS | NS | 52 | NS | NS | NS | 27 | 35 | 30 | 36 | 33 | 42 | 32 |
| DCE | NS | NS | NS | NS | NS | NS | NS | NS | 0 | NS | NS | NS | NS | NS | 7.4 | NS | NS | NS | 4 | 6 | 4 | 4 | 5.3 | 6 | 5 |
| TOTAL VOCs | NS | NS | NS | NS | NS | NS | NS | NS | 174 | NS | NS | NS | NS | NS | 169.4 | NS | NS | NS | 104 | 141 | 118 | 128 | 148.3 | 136 | 121 |

NOTES:

[1] Although included in the table for completeness, 2011 data is disregarded due to QA/QC concerns and not included in overall trend analysis.

0 = Non-Detect
NS = Not Sampled and/or well did not exist at time of sample event
Analytical result concentrations are in units of ug/l (ppb)

Table 4 - Historic Data and Trends CVOCs
Modock Rd. Springs/DSL Sand Gravel Inc. Site (NYSEC Site No. 8-35-013)
Victor, New York

| **MW-4** | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|
| TCE | 53 | 44 | 42 | 39 | 40 | 40 | -75 | Down |
| TCA | 9.5 | 8.3 | 7.9 | 9 | 6.9 | 7.9 | -93 | Down |
| DCE | 2.2 | 1.8 | 1.8 | 2.1 | 1.6 | 1.7 | -75 | Down |
| TCVOCs | 64.7 | 54.1 | 51.7 | 50.1 | 48.5 | 49.6 | -82 | Down |

| **MW-10** | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|
| TCE | 0.53 | 0.28 | 0.46 | 0.37 | 0.33 | 0.38 | -62 | Down |
| TCA | 3.6 | 2.6 | 2.6 | 1.5 | 1.6 | 1.5 | -53.125 | Down |
| DCE | 0 | 0 | 0 | 0 | 0 | 0 | Non Detect | Down |
| TCVOCs | 4.13 | 2.88 | 3.06 | 1.87 | 1.93 | 1.88 | -41.25 | Down |

| **MW-13** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 46 | 52 | 46 | 44 | 40 | 42 | 43 | -93 | Down |
| TCA | 34 | 45 | 41 | 36 | 33 | 21 | 19 | -96 | Down |
| DCE | 6.3 | 7.3 | 7.4 | 7.2 | 4.6 | 3.4 | 2.8 | -96 | Down |
| TCVOCs | 86.3 | 104.3 | 94.4 | 87.2 | 77.6 | 66.4 | 64.8 | -95 | Down |

| **MW-14** | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|
| TCE | 61 | 46 | 47 | 45 | 40 | 40 | -100 | Down |
| TCA | 14 | 10 | 12 | 10 | 9.2 | 9.9 | -100 | Down |
| DCE | 1.8 | 1.5 | 1.9 | 1 | 0.97 | 0.96 | -100 | Down |
| TCVOCs | 76.8 | 57.5 | 60.9 | 56 | 50.17 | 50.86 | -100 | Down |

| **MW-15** | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|
| TCE | 1.2 | 1.1 | 1.8 | 1.6 | 2 | 3.1 | 72 | Up |
| TCA | 25 | 22 | 26 | 12 | 12 | 12 | -80 | Down |
| DCE | 4.9 | 4 | 5.5 | 1.9 | 2.1 | 1.9 | -83 | Down |
| TCVOCs | 31.1 | 27.1 | 33.3 | 15.5 | 16.1 | 17 | -77 | Down |

| **MW-16** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 140 | 160 | 170 | 130 | 130 | 120 | 140 | -59 | Down |
| TCA | 17 | 20 | 21 | 17 | 14 | 14 | 15 | -88 | Down |
| DCE | 4.1 | 4.3 | 4.9 | 4.1 | 2.5 | 2.9 | 3 | -86 | Down |
| TCVOCs | 161.1 | 184.3 | 195.9 | 151.1 | 146.5 | 136.9 | 158 | -67 | Down |

| **MW-17S** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 300 | 340 | 290 | 280 | 96 | 210 | 210 | -91 | Down |
| TCA | 20 | 22 | 21 | 20 | 3.8 | 14 | 13 | -96 | Down |
| DCE | 3.5 | 4.7 | 3.7 | 4.2 | 0.56 | 2.4 | 2.2 | -96 | Down |
| TCVOCs | 323.5 | 366.7 | 314.7 | 304.2 | 100.36 | 226.4 | 225.2 | -92 | Down |

| **MW-23** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2023 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 0.83 | 0.43 | 0.97 | 1.2 | 0.23 | 3.9 | 3 | -94 | Down |
| TCA | 0 | 0 | 0.46 | 0.97 | 0 | 0.54 | 0.72 | -94 | Down |
| DCE | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | Non Detect | Down |
| TCVOCs | 0.83 | 0.43 | 1.43 | 2.17 | 0.23 | 4.64 | 3.72 | -94 | Down |

| **MW-24S** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 80 | 94 | 69 | 63 | 71 | 58 | 55 | -71 | Down |
| TCA | 16 | 19 | 14 | 13 | 13 | 11 | 11 | -83 | Down |
| DCE | 5.9 | 6.1 | 4.6 | 5.1 | 3.8 | 3.6 | 3.1 | -66 | Down |
| TCVOCs | 101.9 | 119.1 | 87.6 | 81.1 | 87.8 | 72.6 | 69.1 | -74 | Down |

| **MW-26** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 120 | 130 | 110 | 100 | 110 | 110 | 98 | -18 | Down |
| TCA | 7.4 | 7.7 | 7.2 | 6.3 | 6.4 | 6.5 | 6.1 | -18 | Down |
| DCE | 1.6 | 1.7 | 1.5 | 1.7 | 1.2 | 0.98 | 0.95 | -41 | Down |
| TCVOCs | 129 | 139.4 | 118.7 | 108 | 117.6 | 117.48 | 105.05 | -19 | Down |

| **SS&G MW-3** | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference | Data Trend[1] |
|---|---|---|---|---|---|---|---|---|---|
| TCE | 5.1 | 5.2 | 4.4 | 4.7 | 9.5 | 4.8 | 6.9 | -98 | Down |
| TCA | 4.1 | 5.1 | 4.3 | 4.2 | 4.3 | 3.9 | 3.9 | -98 | Down |
| DCE | 0.88 | 0.78 | 0.65 | 0.66 | 0.63 | 0.59 | 0.62 | -99 | Down |
| TCVOCs | 10.08 | 11.08 | 9.35 | 9.56 | 14.43 | 9.29 | 11.42 | -98 | Down |

| **SC-1** | 6/30/2008 | 9/21/2009 | 8/10/2010 | 10/31/2011 | 3/19/2012 | 11/14/2012 | 9/8/2015 | 8/22/2019 | 8/5/2020 | 10/22/2020 | 2/4/2021 | 4/21/2021 | 10/19/2022 | 10/16/2023 | 10/4/2024 | % Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCE | 77 | 91 | 77 | 56.3 | 76 | 57 | 50 | 30 | 34 | 37 | 31 | 33 | 30 | 26 | 27 | -75 |
| TCA | 31 | 24 | 23 | 15.1 | 21 | 16 | 12 | 5.9 | 6.3 | 7.6 | 6.2 | 6.8 | 5 | 4.6 | 5 | -92 |
| DCE | 4 | 3.2 | 4.1 | 2.17 | 3.1 | 0 | 0 | 1.2 | 1.6 | 1.9 | 1.6 | 1.7 | 1 | 0.4 | 0.41 | na |
| TOTAL VOCs | 112 | 118.2 | 104.1 | 73.57 | 100.1 | 73 | 62 | 37.1 | 41.9 | 46.5 | 38.8 | 41.5 | 36 | 31 | 32.41 | -81 |

NOTES:

# Appendix A
# Groundwater Sampling Log (PDBs)

Modock Road Springs/DLS Sand Gravel Inc., Site
NYSDEC Site No. 8-35-013
Passive Diffusion Bag Groundwater Sampling Form
October 2024

| | | Field Measurements | | | | | | Elevations | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well ID | Top of PVC Elevation (ft. amsl) | Depth to Groundwater (ft. BTOC) | Measured Total Depth (ft. BTOC) | Standing Water Column (ft.) | Water Column Center (ft. BTOC) | $PDB_{top}$ (ft. from bottom of well) | $PDB_{bottom}$ (ft. from bottom of well) | Groundwater Elevation (ft. amsl) | Measured Total Depth (ft. amsl) | Water Column Center Elevation (ft. amsl) | $PDB_{top}$ Elevation (ft. amsl) | $PDB_{bottom}$ Elevation (ft. amsl) | Distance from $PDB_{top}$ to Groundwater (ft.) | PDP Deploy Date | PDP Deploy Time | PDP Recovery Date | PDP Recovery Time | Depth to Groundwater (ft. BTOC) prior to PDB removal |
| MW-4 | 676.61 | 40.94 | 51.05 | 10.11 | 46.00 | 6.00 | 4.00 | 635.67 | 625.56 | 630.62 | 631.56 | 629.56 | 4.11 | 9/20/2024 | 1140 | 10/4/2024 | 900 | 41 |
| MW-10 | 731.44 | 80.37 | 90.67 | 10.3 | 85.52 | 6.00 | 4.00 | 651.07 | 640.77 | 645.92 | 646.77 | 644.77 | 4.30 | 9/20/2024 | 0835 | 10/4/2024 | 0830 | 80.36 |
| MW-13 | 781.20 | 65.75 | 74.55 | 8.8 | 70.15 | 5.40 | 3.40 | 715.45 | 706.65 | 711.05 | 712.05 | 710.05 | 3.40 | 9/20/2024 | 0950 | 10/4/2024 | 1000 | 65.77 |
| MW-14 | 759.17 | 53.98 | 63.92 | 9.94 | 58.95 | 5.97 | 3.97 | 705.19 | 695.25 | 700.22 | 701.22 | 699.22 | 3.97 | 9/20/2024 | 0940 | 10/4/2024 | 1020 | 53.98 |
| MW-15 | 786.44 | 60.64 | 70.11 | 9.47 | 65.38 | 5.73 | 3.73 | 725.8 | 716.33 | 721.07 | 722.06 | 720.06 | 3.74 | 9/20/2024 | 0920 | 10/4/2024 | 0950 | 60.67 |
| MW-16 | 754.95 | 65.71 | 70.53 | 4.82 | 68.12 | 3.41 | 1.41 | 689.24 | 684.42 | 686.83 | 687.83 | 685.83 | 1.41 | 9/20/2024 | 1015 | 10/4/2024 | 1030 | 65.77 |
| MW-17S | 760.09 | 58.55 | 68.33 | 9.78 | 63.44 | 5.89 | 3.89 | 701.54 | 691.76 | 696.65 | 697.65 | 695.65 | 3.89 | 9/20/2024 | 1000 | 10/4/2024 | 1010 | 58.58 |
| MW-23 | 691.42 | 38.50 | 46.21 | 7.71 | 42.36 | 4.86 | 2.86 | 652.92 | 645.21 | 41.11 | 650.07 | 648.07 | 2.85 | 9/20/2024 | 0815 | 10/4/2024 | 0815 | 38.67 |
| MW-24S | 722.31 | 66.2 | 74.1 | 7.9 | 70.15 | 4.95 | 2.95 | 656.11 | 648.21 | 652.16 | 653.16 | 651.16 | 2.95 | 9/20/2024 | 0850 | 10/4/2024 | 0845 | 66.22 |
| MW-26 | 800.59 | 68.29 | 84.46 | 16.17 | 76.38 | 6.00 | 4.00 | 732.3 | 716.13 | 724.22 | 722.13 | 720.13 | 10.17 | 9/20/2024 | 1100 | 10/4/2024 | 1115 | 68.40 |
| SS&G MW-3 | 805.43 | 70.73 | 74.85 | 4.12 | 72.79 | 3.06 | 1.06 | 734.7 | 730.58 | 732.64 | 733.64 | 731.64 | 1.06 | 9/20/2024 | 1045 | 10/4/2024 | 1100 | 70.81 |

Sampling Personnel: Jeremy Wolf / James Moore

Weather:

Notes: MW-23 Top of PVC Elevation illustrated herein includes 3/4" of well casing that was removed in October 2022 (former elevation was 692.17)
Collected MS/MSD at MW-10; Collected Blind Dup at MW-26, Dup ID: DUP100424B, Dup Time: 1230

# Appendix B
# Surface Water Sampling Log

# Surface Water Sampling Log

Date 10/4/2024

Site Name Modock Rd. Springs/DLS Sand & Gravel, Inc. Site

Location Victor, NY

Project No. 24-053

Personnel Jeremy Wolf

Weather

Location ID SC-1

Sampling Method Teflon Dipper

Other

**Sample Information:**

Location of Sample SC-1 0915

Amount of Water at Surface (est.) _____ gal.(s)

Other Description:

Approximate Location Drawing:

**Instrument Calibration:**

| pH Buffer Readings | | Conductivity Standard Readings | |
|---|---|---|---|
| 4.0 Standard | | 84 S Standard | |
| 7.0 Standard | | 1413 S Standard | |
| 10.0 Standard | | | |

**Water parameters:**

| | Oxidation-Reduction Potential | Temperature Readings | pH Readings | Conductivity Readings uS/cm | Turbidity Readings Ntu |
|---|---|---|---|---|---|
| initial | | | | | |
| initial | | | | | |

**Water Sample:**

Time Collected 0915

| Physical Appearance at Start | | Physical Appearance at Sampling | |
|---|---|---|---|
| Color | Clear | Color | Clear |
| Odor | No | Odor | No |
| Turbidity (> 100 NTU) | No | Turbidity (> 100 NTU) | No |
| Sheen/Free Product | No | Sheen/Free Product | No |

**Samples collected:**

| Container Size | Container Type | # Collected | Field Filtered | Preservative | Container pH |
|---|---|---|---|---|---|
| 3 VOA | | | No | HCL | |

Notes:

Collected Blind DUP

DUP ID: DUP100424A

Time: 1200

Collected EB

EB ID: EB100424

Time: 0910

# Appendix C
# Chain of Custody Form

# Chain of Custody / Analytical Request Form

078131

SR#:

Page 1 of 2

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS / Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler's Signature: |
| Address: 4303 Route 5 & 20 Canandaigua NY 14424 | Email CC: |
| | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

| Lab ID (ALS) | Sample Collection Information: Sample ID: | Date | Time | Matrix | Number of Containers | MS/MSD? | GC/MS VOA (8260)•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-23 | 10/4/24 | 0815 | GW | 3 | | 3 | | | | | | | |
| | MW-10 MS/MSD | 10/4/24 | 0830 | GW | 3 | 6 | 9 | | | | | | | |
| | MW-24S | 10/4/24 | 0845 | GW | 3 | | 3 | | | | | | | |
| | MW-4 | 10/4/24 | 900 | GW | 3 | | 3 | | | | | | | |
| | SC-1 | 10/4/24 | 0915 | GW | 3 | | 3 | | | | | | | |
| | MW-15 | 10/4/24 | 0950 | GW | 3 | | 3 | | | | | | | |
| | MW-13 | 10/4/24 | 1000 | GW | 3 | | 3 | | | | | | | |
| | MW-14 | 10/4/24 | 1020 | GW | 3 | | 3 | | | | | | | |
| | MW-17S | 10/4/24 | 1010 | GW | 3 | | 3 | | | | | | | |
| | MW-16 | 10/4/24 | 1030 | GW | 3 | | 3 | | | | | | | |

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
X Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYS DEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

**VOA/SVOA Report List:** (TCL) • BTEX • TCLP • CP-51/Stars • THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: Jeremy Wolf
Email: JWolf@MarksEngineering.com
Phone: 585-500-8392
Address:

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory O'Emerian | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 12:40 | 10/4/24 12:40 | | | | |

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs



Distribution: White - Lab Copy; Yellow - Return to Originator

# Chain of Custody / Analytical Request Form

078132

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com



| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS/Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler Signature: |
| Address: 4303 Route 5 & 20 | Email: |
| Canandaigua NY 14425 | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: 1

0. None
1. (HCl)
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

| Lab ID (ALS) | Sample Collection Information: Sample ID: | Date | Time | Matrix (GW WW SW DW S L NA) | Number of Containers | MS/MSD? | GC/MS VOA - 8260•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SS&G MW-3 | 10/4/24 | 1100 | GW | 3 | | 3 | | | | | | | |
| | MW-26 | 10/4/24 | 1115 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 A | 10/4/24 | 1200 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 B | 10/4/24 | 1230 | GW | 3 | | 3 | | | | | | | |
| | EB 100424 | 10/4/24 | 0910 | AW | 3 | | 3 | | | | | | | |
| | VOC Trip Blank | | | | | | | | | | | | | |

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
_X_ Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
_X_ Tier IV/Cat B - Data Validation Report w/. Data
EDD: _X_ Yes ____No
EDD Type: NYSDEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

**VOA/SVOA Report List:** (TCL) BTEX • TCLP • CP-51/Stars •THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: JWolf@MarksEngineering.com
Email: Jeremy Wolf
585-500-8392

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory Fonneman | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 | 10/4/24 12:40 | | | | |

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs



Distribution: White - Lab Copy; Yellow - Return to Originator

MarksEngineering

# Exhibit A
# Laboratory Report
# (Results Only)

October 23, 2024 Service Request No:R2409921

Mr. Jeremy Wolf
Marks Engineering, PC
42 Beeman Street
Canadaigua, NY 14424

**Laboratory Results for: DLS/Modock Road Springs**

Dear Mr.Wolf,

Enclosed are the results of the sample(s) submitted to our laboratory October 04, 2024
For your reference, these analyses have been assigned our service request number **R2409921.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Janice Jaeger
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Received:** 10/04/2024

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

**Sample Receipt:**

Sixteen water samples were received for analysis at ALS Environmental on 10/04/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Volatiles by GC/MS:**

Method 8260D, 10/15/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/15/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/17/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/17/2024: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260D,R2409921-003,007:The analysis was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.

Method 8260D, 10/19/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/19/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D: The analysis of one or more samples was initially attempted within holding time but was not useable due to an analytical system or QC failure. Efforts were made to reanalyze the sample(s) as soon as possible after the analytical system

Approved by _____ Date 10/23/2024

was back in control. However, the reanalysis of the sample(s) was performed past the recommended holding time. The results from the reanalysis are reported. The data is flagged to indicate the holding time exceedance.

Approved by _____ Date 10/23/2024

# Sample Receipt Information

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

**Client:** Marks Engineering, PC **Service Request:**R2409921
**Project:** DLS/Modock Road Springs

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| R2409921-001 | MW-23 | 10/4/2024 | 0815 |
| R2409921-002 | MW-10 | 10/4/2024 | 0830 |
| R2409921-003 | MW-24S | 10/4/2024 | 0845 |
| R2409921-004 | MW-4 | 10/4/2024 | 0900 |
| R2409921-005 | SC-1 | 10/4/2024 | 0915 |
| R2409921-006 | MW-15 | 10/4/2024 | 0950 |
| R2409921-007 | MW-13 | 10/4/2024 | 1000 |
| R2409921-008 | MW-14 | 10/4/2024 | 1020 |
| R2409921-009 | MW-17S | 10/4/2024 | 1010 |
| R2409921-010 | MW-16 | 10/4/2024 | 1030 |
| R2409921-011 | SS&G MW-3 | 10/4/2024 | 1100 |
| R2409921-012 | MW-26 | 10/4/2024 | 1115 |
| R2409921-013 | DUP100424 A | 10/4/2024 | 1200 |
| R2409921-014 | DUP100424 B | 10/4/2024 | 1230 |
| R2409921-015 | EB100424 | 10/4/2024 | 0910 |
| R2409921-016 | VOC Trip Blank | 10/4/2024 | |

# Chain of Custody / Analytical Request Form

078131

SR#:

Page 1 of 2

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS / Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler's Signature: |
| Address: 4303 Route 5 & 20 Canandaigua NY 14424 | Email CC: |
| | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

| Lab ID (ALS) | Sample Collection Information: Sample ID: | Date | Time | Matrix | Number of Containers | MS/MSD? | GC/MS VOA (8260)•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-23 | 10/4/24 | 0815 | GW | 3 | | 3 | | | | | | | |
| | MW-10 MS/MSD | 10/4/24 | 0830 | GW | 3 | 6 | 9 | | | | | | | |
| | MW-24S | 10/4/24 | 0845 | GW | 3 | | 3 | | | | | | | |
| | MW-4 | 10/4/24 | 900 | GW | 3 | | 3 | | | | | | | |
| | SC-1 | 10/4/24 | 0915 | GW | 3 | | 3 | | | | | | | |
| | MW-15 | 10/4/24 | 0950 | GW | 3 | | 3 | | | | | | | |
| | MW-13 | 10/4/24 | 1000 | GW | 3 | | 3 | | | | | | | |
| | MW-14 | 10/4/24 | 1020 | GW | 3 | | 3 | | | | | | | |
| | MW-17S | 10/4/24 | 1010 | GW | 3 | | 3 | | | | | | | |
| | MW-16 | 10/4/24 | 1030 | GW | 3 | | 3 | | | | | | | |

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
X Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYS DEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

**VOA/SVOA Report List:** (TCL) • BTEX • TCLP • CP-51/Stars • THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: Jeremy Wolf
Email: JWolf@MarksEngineering.com
Phone: 585-500-8392
Address:

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory O'Emerian | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 12:40 | 10/4/24 12:40 | | | | |

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs



Distribution: White - Lab Copy; Yellow - Return to Originator

# Chain of Custody / Analytical Request Form

078132

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com



| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS/Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler Signature: |
| Address: 4303 Route 5 & 20 | Email: |
| Canandaigua NY 14425 | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: 1

0. None
1. (HCl)
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

| Lab ID (ALS) | Sample Collection Information: Sample ID: | Date | Time | Matrix (GW WW SW DW S L NA) | Number of Containers | MS/MSD? | GC/MS VOA - 8260•624•524•TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SS&G MW-3 | 10/4/24 | 1100 | GW | 3 | | 3 | | | | | | | |
| | MW-26 | 10/4/24 | 1115 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 A | 10/4/24 | 1200 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 B | 10/4/24 | 1230 | GW | 3 | | 3 | | | | | | | |
| | EB 100424 | 10/4/24 | 0910 | AW | 3 | | 3 | | | | | | | |
| | VOC Trip Blank | | | | | | | | | | | | | |

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
_X_ Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
_X_ Tier IV/Cat B - Data Validation Report w/. Data
EDD: _X_ Yes ____No
EDD Type: NYSDEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

**VOA/SVOA Report List:** (TCL) BTEX • TCLP • CP-51/Stars •THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: JWolf@MarksEngineering.com
Email: Jeremy Wolf
585-500-8392

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory Fonneman | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 | 10/4/24 12:40 | | | | |

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs



Distribution: White - Lab Copy; Yellow - Return to Originator

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs

# Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 10/4/24 by: RDA **COURIER:** ALS UPS FEDEX VELOCITY (CLIENT)

| | | | | | |
|---|---|---|---|---|---|
| 1 | Were **Custody seals** on outside of cooler? | Y (N) | 5a | Did **VOA** vials have sig* **bubbles?** | Y (N) NA |
| 2 | **Custody papers** properly completed (ink, signed)? | (Y) N | 5b | Sig* bubbles: **Alk?** Y N (NA) **Sulfide?** | Y N (NA) |
| 3 | Did all bottles arrive in good **condition** (unbroken)? | (Y) N | 6 | Where did the bottles originate? | (ALS/ROC) CLIENT |
| 4 | Circle: **Wet Ice Dry Ice Gel packs** present? | (Y) N | 7 | Soil VOA received as: | Bulk Encore 5035set (NA) |

8. Temperature Readings Date: 10/4/24 Time: 1240 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temp (°C) | 11.8 | | | | | | |
| Within 0-6°C? | Y (N) | Y N | Y N | Y N | Y N | Y N | Y N |
| If <0°C, were samples frozen? | Y N | Y N | Y N | Y N | Y N | Y N | Y N |

**If out of Temperature, note packing/ice condition:** _____ Ice melted Poorly Packed (described below) Same Day Rule

**&Client Approval to Run Samples:** _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RDA on 10/4/24 at 1248
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 10/4/24 Time: 1628 by: SES

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO) no dates
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

| pH | Lot of test paper | Reagent | Preserved? Yes | Preserved? No | Lot Received | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|---|---|---|---|---|---|---|---|---|---|---|
| ≥12 | | NaOH | | | | | | | | |
| ≤2 | | $HNO_3$ | | | | | | | | |
| ≤2 | | $H_2SO_4$ | | | | | | | | |
| <4 | | $NaHSO_4$ | | | | | | | | |
| 5-9 | | For 608pest | | | No=Notify for 3day | | | | | |
| Residual Chlorine (-) | | For CN, Phenol, 625, 608pest, 522 | | | If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol). | | | | | |
| | | $Na_2S_2O_3$ | | | | | | | | |
| | | ZnAcetate | - | - | | | | | | |
| | | HCl | ** | ** | 24C09230 | 1/27 | | | | |

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: C062424-3AXH.
Explain all Discrepancies/ Other Comments:

| | |
|---|---|
| HPROD | BULK |
| HTR | FLDT |
| SUB | HGFB |
| ALS | LL3541 |

Labels secondary reviewed by: SES. *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

# Miscellaneous Forms

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

# REPORT QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| U | Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative. |
| J | Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors). |
| B | Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result. |
| E | Inorganics- Concentration is estimated due to the serial dilution was outside control limits. |
| E | Organics- Concentration has exceeded the calibration range for that specific analysis. |
| D | Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed. |
| * | Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time. |
| H | Analysis was performed out of hold time for tests that have an "immediate" hold time criteria. |
| # | Spike was diluted out. |
| + | Correlation coefficient for MSA is <0.995. |
| N | Inorganics- Matrix spike recovery was outside laboratory limits. |
| N | Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search. |
| S | Concentration has been determined using Method of Standard Additions (MSA). |
| W | Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance. |
| P | Concentration >40% difference between the two GC columns. |
| C | Confirmed by GC/MS |
| Q | DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns). |
| X | See Case Narrative for discussion. |
| MRL<br>LOQ | Method Reporting Limit. Also known as:<br>Limit of Quantitation (LOQ)<br>The lowest concentration at which the method analyte may be reliably quantified under the method conditions. |
| MDL | Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier). |
| LOD | Limit of Detection. A value at or above the MDL which has been verified to be detectable. |
| ND | Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier. |

## Rochester Lab ID # for State Accreditations[1]

| NELAP States |
|---|
| Florida ID # E87674 |
| New Hampshire ID # 2941 |
| New York ID # 10145 |
| Pennsylvania ID# 68-786 |
| Texas ID#T104704581 |
| Virginia #460167 |

| Non-NELAP States |
|---|
| Connecticut ID #PH0556 |
| Delaware Approved |
| Maine ID #NY01587 |
| North Carolina #36701 |
| North Carolina #676 |
| Rhode Island LAO00333 |

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

# ALS Laboratory Group

**Acronyms**

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** Marks Engineering, PC **Service Request:** R2409921
**Project:** DLS/Modock Road Springs/

**Sample Name:** MW-23 **Date Collected:** 10/4/24
**Lab Code:** R2409921-001 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | KRUEST |

**Sample Name:** MW-10 **Date Collected:** 10/4/24
**Lab Code:** R2409921-002 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | KRUEST |

**Sample Name:** MW-24S **Date Collected:** 10/4/24
**Lab Code:** R2409921-003 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-24S **Date Collected:** 10/4/24
**Lab Code:** R2409921-003.R01 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-4 **Date Collected:** 10/4/24
**Lab Code:** R2409921-004 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Client:** Marks Engineering, PC **Service Request:** R2409921
**Project:** DLS/Modock Road Springs/

**Sample Name:** SC-1 **Date Collected:** 10/4/24
**Lab Code:** R2409921-005 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-15 **Date Collected:** 10/4/24
**Lab Code:** R2409921-006 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-13 **Date Collected:** 10/4/24
**Lab Code:** R2409921-007 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-13 **Date Collected:** 10/4/24
**Lab Code:** R2409921-007.R01 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-14 **Date Collected:** 10/4/24
**Lab Code:** R2409921-008 **Date Received:** 10/4/24
**Sample Matrix:** Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs/
**Service Request:** R2409921

**Sample Name:** MW-17S
**Lab Code:** R2409921-009
**Sample Matrix:** Water
**Date Collected:** 10/4/24
**Date Received:** 10/4/24

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-16
**Lab Code:** R2409921-010
**Sample Matrix:** Water
**Date Collected:** 10/4/24
**Date Received:** 10/4/24

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** SS&G MW-3
**Lab Code:** R2409921-011
**Sample Matrix:** Water
**Date Collected:** 10/4/24
**Date Received:** 10/4/24

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** MW-26
**Lab Code:** R2409921-012
**Sample Matrix:** Water
**Date Collected:** 10/4/24
**Date Received:** 10/4/24

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

**Sample Name:** DUP100424 A
**Lab Code:** R2409921-013
**Sample Matrix:** Water
**Date Collected:** 10/4/24
**Date Received:** 10/4/24

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | DUP100424 B | **Date Collected:** | 10/4/24 |
| **Lab Code:** | R2409921-014 | **Date Received:** | 10/4/24 |
| **Sample Matrix:** | Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | FNAEGLER |

| | | | |
|---|---|---|---|
| **Sample Name:** | EB100424 | **Date Collected:** | 10/4/24 |
| **Lab Code:** | R2409921-015 | **Date Received:** | 10/4/24 |
| **Sample Matrix:** | Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | KRUEST |

| | | | |
|---|---|---|---|
| **Sample Name:** | VOC Trip Blank | **Date Collected:** | 10/4/24 |
| **Lab Code:** | R2409921-016 | **Date Received:** | 10/4/24 |
| **Sample Matrix:** | Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 8260D | | KRUEST |

# PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

## INORGANIC

**Water/Liquid Matrix**

| Analytical Method | Preparation Method |
|---|---|
| 200.7 | 200.2 |
| 200.8 | 200.2 |
| 6010C or 6010D | 3005A/3010A |
| 6020A or 6020B | ILM05.3 |
| 9034 Sulfide Acid Soluble | 9030B |
| SM 4500-CN-N-2016 Amenable and Residual Cyanide | SM 4500-CN-G and SM 4500-CN-B,C-2016 |
| SM 4500-CN-E WAD Cyanide | SM 4500-CN-I |

**Solid/Soil/Non-Aqueous Matrix**

| Analytical Method | Preparation Method |
|---|---|
| 6010C or 6010D | 3050B |
| 6020A or 6020B | 3050B |
| 6010C or 6010D TCLP (1311) extract | 3005A/3010A |
| 6010C or 6010D SPLP (1312) extract | 3005A/3010A |
| 7199 | 3060A |
| 300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions | DI extraction |
| For analytical methods not listed, the preparation method is the same as the analytical method reference. | |

## ORGANIC

**Preparation Methods for Organic methods are listed in the header of the Results pages.**

**Regarding "Bulk/5035A":**
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

# Sample Results

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

# Volatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-23 | **Units:** | ug/L |
| **Lab Code:** | R2409921-001 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **0.72 J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.35 J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:43 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:43 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 13:43 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 13:43 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 13:43 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 13:43 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:43 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 13:43 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 13:43 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:43 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 13:43 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 13:43 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 13:43 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:43 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 13:43 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 13:43 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:43 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-23 | **Units:** | ug/L |
| **Lab Code:** | R2409921-001 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **3.0** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 13:43 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| cis-1,2-Dichloroethene | **0.92 J** | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 13:43 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| trans-1,2-Dichloroethene | **0.34 J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 10/15/24 13:43 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/15/24 13:43 | |
| Toluene-d8 | 101 | 87 - 121 | 10/15/24 13:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **1.5** | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 14:06 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 14:06 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 14:06 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 14:06 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 14:06 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 14:06 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 14:06 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 14:06 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 14:06 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 14:06 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 14:06 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 14:06 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 14:06 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 14:06 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 14:06 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 14:06 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 14:06 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **0.38** | **J** | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Trichlorofluoromethane (CFC 11) | 1.0 | U | 1.0 | 0.24 | 1 | 10/15/24 14:06 | |
| Vinyl Chloride | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |
| cis-1,3-Dichloropropene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| m,p-Xylenes | 2.0 | U | 2.0 | 0.53 | 1 | 10/15/24 14:06 | |
| o-Xylene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| trans-1,3-Dichloropropene | 1.0 | U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 85 - 122 | 10/15/24 14:06 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/15/24 14:06 | |
| Toluene-d8 | 102 | 87 - 121 | 10/15/24 14:06 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **11** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,1-Dichloroethane (1,1-DCA) | **1.4** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,1-Dichloroethene (1,1-DCE) | **3.1** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:18 | * |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:18 | * |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/19/24 00:18 | * |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/19/24 00:18 | * |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/19/24 00:18 | * |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/19/24 00:18 | * |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:18 | * |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/19/24 00:18 | * |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/19/24 00:18 | * |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:18 | * |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/19/24 00:18 | * |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/19/24 00:18 | * |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/19/24 00:18 | * |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:18 | * |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/19/24 00:18 | * |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/19/24 00:18 | * |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:18 | * |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **55** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/19/24 00:18 | * |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/19/24 00:18 | * |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 10/19/24 00:18 | |
| Dibromofluoromethane | 94 | 80 - 116 | 10/19/24 00:18 | |
| Toluene-d8 | 98 | 87 - 121 | 10/19/24 00:18 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **9.4 J** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2,2-Tetrachloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2-Trichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1-Dichloroethene (1,1-DCE) | **3.4 J** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2,3-Trichlorobenzene | 10 U | 10 | 2.5 | 10 | 10/17/24 20:02 | |
| 1,2,4-Trichlorobenzene | 10 U | 10 | 3.4 | 10 | 10/17/24 20:02 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 20 U | 20 | 4.5 | 10 | 10/17/24 20:02 | |
| 1,2-Dibromoethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichloropropane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,3-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,4-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,4-Dioxane | 400 U | 400 | 130 | 10 | 10/17/24 20:02 | |
| 2-Butanone (MEK) | 50 U | 50 | 7.8 | 10 | 10/17/24 20:02 | |
| 2-Hexanone | 50 U | 50 | 2.0 | 10 | 10/17/24 20:02 | |
| 4-Methyl-2-pentanone | 50 U | 50 | 2.0 | 10 | 10/17/24 20:02 | |
| Acetone | 50 U | 50 | 50 | 10 | 10/17/24 20:02 | |
| Benzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromodichloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromoform | 10 U | 10 | 2.5 | 10 | 10/17/24 20:02 | |
| Bromomethane | 10 U | 10 | 7.0 | 10 | 10/17/24 20:02 | |
| Carbon Disulfide | 10 U | 10 | 4.2 | 10 | 10/17/24 20:02 | |
| Carbon Tetrachloride | 10 U | 10 | 3.4 | 10 | 10/17/24 20:02 | |
| Chlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Chloroethane | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |
| Chloroform | 10 U | 10 | 5.1 | 10 | 10/17/24 20:02 | |
| Chloromethane | 10 U | 10 | 8.0 | 10 | 10/17/24 20:02 | |
| Cyclohexane | 10 U | 10 | 6.0 | 10 | 10/17/24 20:02 | |
| Dibromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Dichlorodifluoromethane (CFC 12) | 10 U | 10 | 2.1 | 10 | 10/17/24 20:02 | |
| Dichloromethane | 10 U | 10 | 6.5 | 10 | 10/17/24 20:02 | |
| Ethylbenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Isopropylbenzene (Cumene) | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Methyl Acetate | 20 U | 20 | 8.7 | 10 | 10/17/24 20:02 | |
| Methyl tert-Butyl Ether | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Methylcyclohexane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Styrene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 10/17/24 20:02 | |
| Toluene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **50** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Trichlorofluoromethane (CFC 11) | 10 U | 10 | 2.4 | 10 | 10/17/24 20:02 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |
| cis-1,3-Dichloropropene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| m,p-Xylenes | 20 U | 20 | 5.3 | 10 | 10/17/24 20:02 | |
| o-Xylene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| trans-1,3-Dichloropropene | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 20:02 | |
| Dibromofluoromethane | 98 | 80 - 116 | 10/17/24 20:02 | |
| Toluene-d8 | 104 | 87 - 121 | 10/17/24 20:02 | |

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-4 | **Units:** | ug/L |
| **Lab Code:** | R2409921-004 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **7.9** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.66 J** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.7** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:25 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:25 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 20:25 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 20:25 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 20:25 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 20:25 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:25 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 20:25 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 20:25 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:25 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 20:25 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 20:25 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 20:25 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:25 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 20:25 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 20:25 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:25 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-4 | **Units:** | ug/L |
| **Lab Code:** | R2409921-004 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **40** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 20:25 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 20:25 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/17/24 20:25 | |
| Dibromofluoromethane | 98 | 80 - 116 | 10/17/24 20:25 | |
| Toluene-d8 | 102 | 87 - 121 | 10/17/24 20:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SC-1 | **Units:** | ug/L |
| **Lab Code:** | R2409921-005 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **5.0** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.40 J** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:47 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:47 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 20:47 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 20:47 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 20:47 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 20:47 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:47 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 20:47 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 20:47 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:47 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 20:47 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 20:47 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 20:47 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:47 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 20:47 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 20:47 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:47 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SC-1 | **Units:** | ug/L |
| **Lab Code:** | R2409921-005 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **27** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 20:47 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 20:47 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 20:47 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 20:47 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 20:47 | |

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:50 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-15 | **Units:** | ug/L |
| **Lab Code:** | R2409921-006 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **12** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.9** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:10 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:10 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 21:10 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 21:10 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 21:10 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 21:10 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:10 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 21:10 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 21:10 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:10 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 21:10 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 21:10 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 21:10 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:10 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 21:10 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 21:10 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:10 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:50 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-15 | **Units:** | ug/L |
| **Lab Code:** | R2409921-006 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **3.1** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 21:10 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 21:10 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 98 | 85 - 122 | 10/17/24 21:10 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 21:10 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 21:10 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **19** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,1-Dichloroethene (1,1-DCE) | **2.8** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:41 | * |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:41 | * |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/19/24 00:41 | * |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/19/24 00:41 | * |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/19/24 00:41 | * |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/19/24 00:41 | * |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:41 | * |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/19/24 00:41 | * |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/19/24 00:41 | * |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:41 | * |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/19/24 00:41 | * |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/19/24 00:41 | * |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/19/24 00:41 | * |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:41 | * |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/19/24 00:41 | * |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/19/24 00:41 | * |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Tetrachloroethene (PCE) | **0.42 J** | 1.0 | 0.21 | 1 | 10/19/24 00:41 | * |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **43** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/19/24 00:41 | * |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/19/24 00:41 | * |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/19/24 00:41 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/19/24 00:41 | |
| Toluene-d8 | 103 | 87 - 121 | 10/19/24 00:41 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **18** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2,2-Tetrachloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2-Trichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1-Dichloroethene (1,1-DCE) | **2.3 J** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2,3-Trichlorobenzene | 10 U | 10 | 2.5 | 10 | 10/17/24 21:33 | |
| 1,2,4-Trichlorobenzene | 10 U | 10 | 3.4 | 10 | 10/17/24 21:33 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 20 U | 20 | 4.5 | 10 | 10/17/24 21:33 | |
| 1,2-Dibromoethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichloropropane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,3-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,4-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,4-Dioxane | 400 U | 400 | 130 | 10 | 10/17/24 21:33 | |
| 2-Butanone (MEK) | 50 U | 50 | 7.8 | 10 | 10/17/24 21:33 | |
| 2-Hexanone | 50 U | 50 | 2.0 | 10 | 10/17/24 21:33 | |
| 4-Methyl-2-pentanone | 50 U | 50 | 2.0 | 10 | 10/17/24 21:33 | |
| Acetone | 50 U | 50 | 50 | 10 | 10/17/24 21:33 | |
| Benzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromodichloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromoform | 10 U | 10 | 2.5 | 10 | 10/17/24 21:33 | |
| Bromomethane | 10 U | 10 | 7.0 | 10 | 10/17/24 21:33 | |
| Carbon Disulfide | 10 U | 10 | 4.2 | 10 | 10/17/24 21:33 | |
| Carbon Tetrachloride | 10 U | 10 | 3.4 | 10 | 10/17/24 21:33 | |
| Chlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Chloroethane | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |
| Chloroform | 10 U | 10 | 5.1 | 10 | 10/17/24 21:33 | |
| Chloromethane | 10 U | 10 | 8.0 | 10 | 10/17/24 21:33 | |
| Cyclohexane | 10 U | 10 | 6.0 | 10 | 10/17/24 21:33 | |
| Dibromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Dichlorodifluoromethane (CFC 12) | 10 U | 10 | 2.1 | 10 | 10/17/24 21:33 | |
| Dichloromethane | 10 U | 10 | 6.5 | 10 | 10/17/24 21:33 | |
| Ethylbenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Isopropylbenzene (Cumene) | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Methyl Acetate | 20 U | 20 | 8.7 | 10 | 10/17/24 21:33 | |
| Methyl tert-Butyl Ether | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Methylcyclohexane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Styrene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 10/17/24 21:33 | |
| Toluene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **36** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Trichlorofluoromethane (CFC 11) | 10 U | 10 | 2.4 | 10 | 10/17/24 21:33 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |
| cis-1,3-Dichloropropene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| m,p-Xylenes | 20 U | 20 | 5.3 | 10 | 10/17/24 21:33 | |
| o-Xylene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| trans-1,3-Dichloropropene | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 10/17/24 21:33 | |
| Dibromofluoromethane | 91 | 80 - 116 | 10/17/24 21:33 | |
| Toluene-d8 | 96 | 87 - 121 | 10/17/24 21:33 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:20 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-14 | **Units:** | ug/L |
| **Lab Code:** | R2409921-008 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **9.9** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1-Dichloroethene (1,1-DCE) | **0.96 J** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:55 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:55 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 21:55 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 21:55 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 21:55 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 21:55 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:55 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 21:55 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 21:55 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:55 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 21:55 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 21:55 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 21:55 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:55 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 21:55 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 21:55 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Tetrachloroethene (PCE) | **0.57 J** | 1.0 | 0.21 | 1 | 10/17/24 21:55 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:20 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-14 | **Units:** | ug/L |
| **Lab Code:** | R2409921-008 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **40** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 21:55 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 21:55 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 10/17/24 21:55 | |
| Dibromofluoromethane | 96 | 80 - 116 | 10/17/24 21:55 | |
| Toluene-d8 | 100 | 87 - 121 | 10/17/24 21:55 | |

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-17S | **Units:** | ug/L |
| **Lab Code:** | R2409921-009 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **13** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2,2-Tetrachloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2-Trichloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1-Dichloroethane (1,1-DCA) | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1-Dichloroethene (1,1-DCE) | **2.2** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2,3-Trichlorobenzene | 2.0 U | 2.0 | 0.50 | 2 | 10/17/24 23:26 | |
| 1,2,4-Trichlorobenzene | 2.0 U | 2.0 | 0.68 | 2 | 10/17/24 23:26 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 4.0 U | 4.0 | 0.90 | 2 | 10/17/24 23:26 | |
| 1,2-Dibromoethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichloropropane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,3-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,4-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,4-Dioxane | 80 U | 80 | 26 | 2 | 10/17/24 23:26 | |
| 2-Butanone (MEK) | 10 U | 10 | 1.6 | 2 | 10/17/24 23:26 | |
| 2-Hexanone | 10 U | 10 | 0.40 | 2 | 10/17/24 23:26 | |
| 4-Methyl-2-pentanone | 10 U | 10 | 0.40 | 2 | 10/17/24 23:26 | |
| Acetone | 10 U | 10 | 10 | 2 | 10/17/24 23:26 | |
| Benzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromochloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromodichloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromoform | 2.0 U | 2.0 | 0.50 | 2 | 10/17/24 23:26 | |
| Bromomethane | 2.0 U | 2.0 | 1.4 | 2 | 10/17/24 23:26 | |
| Carbon Disulfide | 2.0 U | 2.0 | 0.84 | 2 | 10/17/24 23:26 | |
| Carbon Tetrachloride | 2.0 U | 2.0 | 0.68 | 2 | 10/17/24 23:26 | |
| Chlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Chloroethane | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |
| Chloroform | 2.0 U | 2.0 | 1.1 | 2 | 10/17/24 23:26 | |
| Chloromethane | 2.0 U | 2.0 | 1.6 | 2 | 10/17/24 23:26 | |
| Cyclohexane | 2.0 U | 2.0 | 1.2 | 2 | 10/17/24 23:26 | |
| Dibromochloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Dichlorodifluoromethane (CFC 12) | 2.0 U | 2.0 | 0.42 | 2 | 10/17/24 23:26 | |
| Dichloromethane | 2.0 U | 2.0 | 1.3 | 2 | 10/17/24 23:26 | |
| Ethylbenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Isopropylbenzene (Cumene) | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Methyl Acetate | 4.0 U | 4.0 | 1.8 | 2 | 10/17/24 23:26 | |
| Methyl tert-Butyl Ether | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Methylcyclohexane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Styrene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Tetrachloroethene (PCE) | **0.82 J** | 2.0 | 0.42 | 2 | 10/17/24 23:26 | |
| Toluene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-17S | **Units:** | ug/L |
| **Lab Code:** | R2409921-009 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **210** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Trichlorofluoromethane (CFC 11) | 2.0 U | 2.0 | 0.48 | 2 | 10/17/24 23:26 | |
| Vinyl Chloride | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| cis-1,2-Dichloroethene | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |
| cis-1,3-Dichloropropene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| m,p-Xylenes | 4.0 U | 4.0 | 1.1 | 2 | 10/17/24 23:26 | |
| o-Xylene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| trans-1,2-Dichloroethene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| trans-1,3-Dichloropropene | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 23:26 | |
| Dibromofluoromethane | 95 | 80 - 116 | 10/17/24 23:26 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 23:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-16 | **Units:** | ug/L |
| **Lab Code:** | R2409921-010 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **15** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **0.77 J** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1-Dichloroethene (1,1-DCE) | **3.0** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:49 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:49 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 23:49 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 23:49 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 23:49 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 23:49 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:49 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 23:49 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 23:49 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:49 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 23:49 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 23:49 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 23:49 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 23:49 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 23:49 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 23:49 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Tetrachloroethene (PCE) | **0.45 J** | 1.0 | 0.21 | 1 | 10/17/24 23:49 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-16 | **Units:** | ug/L |
| **Lab Code:** | R2409921-010 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **140** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 23:49 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 23:49 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 10/17/24 23:49 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 23:49 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 23:49 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SS&G MW-3 | **Units:** | ug/L |
| **Lab Code:** | R2409921-011 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **3.9** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1-Dichloroethene (1,1-DCE) | **0.62 J** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:18 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:18 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 22:18 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 22:18 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 22:18 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 22:18 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:18 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 22:18 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 22:18 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:18 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 22:18 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 22:18 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 22:18 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:18 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 22:18 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 22:18 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:18 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SS&G MW-3 | **Units:** | ug/L |
| **Lab Code:** | R2409921-011 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **6.9** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 22:18 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 22:18 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 10/17/24 22:18 | |
| Dibromofluoromethane | 93 | 80 - 116 | 10/17/24 22:18 | |
| Toluene-d8 | 98 | 87 - 121 | 10/17/24 22:18 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-26 | **Units:** | ug/L |
| **Lab Code:** | R2409921-012 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **6.1** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **0.95 J** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.2** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 00:12 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 00:12 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/18/24 00:12 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/18/24 00:12 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/18/24 00:12 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/18/24 00:12 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 00:12 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/18/24 00:12 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/18/24 00:12 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 00:12 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/18/24 00:12 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/18/24 00:12 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/18/24 00:12 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/18/24 00:12 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/18/24 00:12 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/18/24 00:12 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Tetrachloroethene (PCE) | **1.7** | 1.0 | 0.21 | 1 | 10/18/24 00:12 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-26 | **Units:** | ug/L |
| **Lab Code:** | R2409921-012 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **98** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/18/24 00:12 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/18/24 00:12 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 10/18/24 00:12 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/18/24 00:12 | |
| Toluene-d8 | 101 | 87 - 121 | 10/18/24 00:12 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 A | **Units:** | ug/L |
| **Lab Code:** | R2409921-013 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **4.9** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.41 J** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:41 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:41 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 22:41 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 22:41 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 22:41 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 22:41 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:41 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 22:41 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 22:41 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:41 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 22:41 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 22:41 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 22:41 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:41 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 22:41 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 22:41 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:41 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 A | **Units:** | ug/L |
| **Lab Code:** | R2409921-013 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **28** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 22:41 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 22:41 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 85 - 122 | 10/17/24 22:41 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/17/24 22:41 | |
| Toluene-d8 | 103 | 87 - 121 | 10/17/24 22:41 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 B | **Units:** | ug/L |
| **Lab Code:** | R2409921-014 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **6.5** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.2** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:03 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:03 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 23:03 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 23:03 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 23:03 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 23:03 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:03 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 23:03 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 23:03 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:03 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 23:03 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 23:03 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 23:03 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 23:03 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 23:03 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 23:03 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Tetrachloroethene (PCE) | **2.4** | 1.0 | 0.21 | 1 | 10/17/24 23:03 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 B | **Units:** | ug/L |
| **Lab Code:** | R2409921-014 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **120** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 23:03 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 23:03 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 102 | 85 - 122 | 10/17/24 23:03 | |
| Dibromofluoromethane | 101 | 80 - 116 | 10/17/24 23:03 | |
| Toluene-d8 | 105 | 87 - 121 | 10/17/24 23:03 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | EB100424 | **Units:** | ug/L |
| **Lab Code:** | R2409921-015 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:20 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 13:20 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 13:20 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 13:20 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 13:20 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:20 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 13:20 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 13:20 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:20 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 13:20 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 13:20 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 13:20 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:20 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 13:20 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 13:20 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:20 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | EB100424 | **Units:** | ug/L |
| **Lab Code:** | R2409921-015 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 13:20 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 13:20 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/15/24 13:20 | |
| Dibromofluoromethane | 99 | 80 - 116 | 10/15/24 13:20 | |
| Toluene-d8 | 101 | 87 - 121 | 10/15/24 13:20 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | VOC Trip Blank | **Units:** | ug/L |
| **Lab Code:** | R2409921-016 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 12:57 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 12:57 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 12:57 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,4-Dichlorobenzene | **1.1** | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 12:57 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 12:57 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 12:57 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 12:57 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 12:57 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 12:57 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 12:57 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 12:57 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 12:57 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 12:57 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 12:57 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 12:57 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 12:57 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 12:57 | |
| Toluene | **2.0** | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | VOC Trip Blank | **Units:** | ug/L |
| **Lab Code:** | R2409921-016 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 12:57 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 12:57 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/15/24 12:57 | |
| Dibromofluoromethane | 101 | 80 - 116 | 10/15/24 12:57 | |
| Toluene-d8 | 102 | 87 - 121 | 10/15/24 12:57 | |

# QC Summary Forms

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

# Volatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

**Client:** Marks Engineering, PC **Service Request:** R2409921
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

## SURROGATE RECOVERY SUMMARY
## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Sample Name | Lab Code | 4-Bromofluorobenzene 85 - 122 | Dibromofluoromethane 80 - 116 | Toluene-d8 87 - 121 |
|---|---|---|---|---|
| MW-23 | R2409921-001 | 94 | 100 | 101 |
| MW-10 | R2409921-002 | 101 | 100 | 102 |
| MW-24S | R2409921-003 | 96 | 94 | 98 |
| MW-24S RE | R2409921-003 | 99 | 98 | 104 |
| MW-4 | R2409921-004 | 100 | 98 | 102 |
| SC-1 | R2409921-005 | 99 | 97 | 101 |
| MW-15 | R2409921-006 | 98 | 97 | 101 |
| MW-13 | R2409921-007 | 100 | 100 | 103 |
| MW-13 RE | R2409921-007 | 94 | 91 | 96 |
| MW-14 | R2409921-008 | 95 | 96 | 100 |
| MW-17S | R2409921-009 | 99 | 95 | 101 |
| MW-16 | R2409921-010 | 97 | 97 | 101 |
| SS&G MW-3 | R2409921-011 | 95 | 93 | 98 |
| MW-26 | R2409921-012 | 97 | 97 | 101 |
| DUP100424 A | R2409921-013 | 101 | 100 | 103 |
| DUP100424 B | R2409921-014 | 102 | 101 | 105 |
| EB100424 | R2409921-015 | 99 | 99 | 101 |
| VOC Trip Blank | R2409921-016 | 100 | 101 | 102 |
| Lab Control Sample | RQ2413029-02 | 99 | 104 | 101 |
| Method Blank | RQ2413029-03 | 96 | 99 | 100 |
| Lab Control Sample | RQ2413236-02 | 101 | 101 | 103 |
| Method Blank | RQ2413236-03 | 100 | 95 | 101 |
| MW-10 MS | RQ2413236-04 | 102 | 100 | 102 |
| MW-10 DMS | RQ2413236-05 | 101 | 101 | 101 |
| Lab Control Sample | RQ2413294-02 | 94 | 95 | 96 |
| Method Blank | RQ2413294-03 | 92 | 93 | 98 |

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 |
| | | **Date Analyzed:** | 10/18/24 |
| | | **Date Extracted:** | NA |

## Duplicate Matrix Spike Summary
## Volatile Organic Compounds by GC/MS

| | | | |
|---|---|---|---|
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |
| **Analysis Method:** | 8260D | | |
| **Prep Method:** | EPA 5030C | | |

| | | Matrix Spike RQ2413236-04 | | | Duplicate Matrix Spike RQ2413236-05 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| 1,1,1-Trichloroethane (TCA) | 1.5 | 54.3 | 50.0 | 106 | 56.0 | 50.0 | 109 | 74-127 | 3 | 30 |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 44.5 | 50.0 | 89 | 46.2 | 50.0 | 92 | 72-122 | 4 | 30 |
| 1,1,2-Trichloroethane | 1.0 U | 47.4 | 50.0 | 95 | 48.5 | 50.0 | 97 | 82-121 | 2 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 53.6 | 50.0 | 107 | 54.2 | 50.0 | 108 | 50-147 | 1 | 30 |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 52.2 | 50.0 | 104 | 54.0 | 50.0 | 108 | 74-132 | 3 | 30 |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 53.3 | 50.0 | 107 | 55.4 | 50.0 | 111 | 71-118 | 4 | 30 |
| 1,2,3-Trichlorobenzene | 1.0 U | 46.7 | 50.0 | 93 | 48.0 | 50.0 | 96 | 59-129 | 3 | 30 |
| 1,2,4-Trichlorobenzene | 1.0 U | 48.4 | 50.0 | 97 | 50.2 | 50.0 | 100 | 69-122 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 38.5 | 50.0 | 77 | 40.6 | 50.0 | 81 | 37-150 | 5 | 30 |
| 1,2-Dibromoethane | 1.0 U | 43.3 | 50.0 | 87 | 47.1 | 50.0 | 94 | 67-127 | 8 | 30 |
| 1,2-Dichlorobenzene | 1.0 U | 48.3 | 50.0 | 97 | 49.8 | 50.0 | 100 | 77-120 | 3 | 30 |
| 1,2-Dichloroethane | 1.0 U | 49.8 | 50.0 | 100 | 52.3 | 50.0 | 105 | 68-130 | 5 | 30 |
| 1,2-Dichloropropane | 1.0 U | 47.9 | 50.0 | 96 | 50.2 | 50.0 | 100 | 79-124 | 5 | 30 |
| 1,3-Dichlorobenzene | 1.0 U | 49.0 | 50.0 | 98 | 49.5 | 50.0 | 99 | 83-121 | <1 | 30 |
| 1,4-Dichlorobenzene | 1.0 U | 47.6 | 50.0 | 95 | 49.5 | 50.0 | 99 | 82-120 | 4 | 30 |
| 1,4-Dioxane | 40 U | 821 | 1000 | 82 | 851 | 1000 | 85 | 44-154 | 4 | 30 |
| 2-Butanone (MEK) | 5.0 U | 39.1 | 50.0 | 78 | 42.4 | 50.0 | 85 | 61-137 | 8 | 30 |
| 2-Hexanone | 5.0 U | 41.0 | 50.0 | 82 | 43.9 | 50.0 | 88 | 56-132 | 7 | 30 |
| 4-Methyl-2-pentanone | 5.0 U | 41.6 | 50.0 | 83 | 45.3 | 50.0 | 91 | 60-141 | 9 | 30 |
| Acetone | 5.0 U | 35.8 | 50.0 | 72 | 38.7 | 50.0 | 77 | 35-183 | 8 | 30 |
| Benzene | 1.0 U | 50.7 | 50.0 | 101 | 52.0 | 50.0 | 104 | 76-129 | 3 | 30 |
| Bromochloromethane | 1.0 U | 48.1 | 50.0 | 96 | 49.2 | 50.0 | 98 | 80-122 | 2 | 30 |
| Bromodichloromethane | 1.0 U | 46.9 | 50.0 | 94 | 48.7 | 50.0 | 97 | 78-133 | 4 | 30 |
| Bromoform | 1.0 U | 40.9 | 50.0 | 82 | 44.6 | 50.0 | 89 | 58-133 | 9 | 30 |
| Bromomethane | 1.0 U | 50.0 | 50.0 | 100 | 52.8 | 50.0 | 106 | 10-184 | 5 | 30 |
| Carbon Disulfide | 1.0 U | 47.9 | 50.0 | 96 | 48.6 | 50.0 | 97 | 59-140 | 1 | 30 |
| Carbon Tetrachloride | 1.0 U | 49.9 | 50.0 | 100 | 52.8 | 50.0 | 106 | 65-135 | 6 | 30 |
| Chlorobenzene | 1.0 U | 47.9 | 50.0 | 96 | 50.2 | 50.0 | 100 | 76-125 | 5 | 30 |
| Chloroethane | 1.0 U | 46.9 | 50.0 | 94 | 46.6 | 50.0 | 93 | 48-146 | <1 | 30 |
| Chloroform | 1.0 U | 50.7 | 50.0 | 101 | 51.5 | 50.0 | 103 | 75-130 | 2 | 30 |
| Chloromethane | 1.0 U | 57.2 | 50.0 | 114 | 57.6 | 50.0 | 115 | 55-160 | <1 | 30 |
| Cyclohexane | 1.0 U | 53.2 | 50.0 | 106 | 55.0 | 50.0 | 110 | 52-145 | 3 | 30 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 |
| | | **Date Analyzed:** | 10/18/24 |
| | | **Date Extracted:** | NA |

## Duplicate Matrix Spike Summary
## Volatile Organic Compounds by GC/MS

| | | | |
|---|---|---|---|
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |
| **Analysis Method:** | 8260D | | |
| **Prep Method:** | EPA 5030C | | |

| | | Matrix Spike RQ2413236-04 | | | Duplicate Matrix Spike RQ2413236-05 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Dibromochloromethane | 1.0 U | 44.1 | 50.0 | 88 | 46.3 | 50.0 | 93 | 72-128 | 5 | 30 |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 74.9 | 50.0 | 150 | 76.4 | 50.0 | 153 | 49-154 | 2 | 30 |
| Dichloromethane | 1.0 U | 51.3 | 50.0 | 103 | 53.3 | 50.0 | 107 | 73-122 | 4 | 30 |
| Ethylbenzene | 1.0 U | 49.7 | 50.0 | 99 | 53.3 | 50.0 | 107 | 72-134 | 7 | 30 |
| Isopropylbenzene (Cumene) | 1.0 U | 53.6 | 50.0 | 107 | 55.9 | 50.0 | 112 | 77-128 | 4 | 30 |
| Methyl Acetate | 2.0 U | 33.1 | 50.0 | 66 | 35.3 | 50.0 | 71 | 26-121 | 6 | 30 |
| Methyl tert-Butyl Ether | 1.0 U | 48.1 | 50.0 | 96 | 49.9 | 50.0 | 100 | 75-119 | 4 | 30 |
| Methylcyclohexane | 1.0 U | 51.0 | 50.0 | 102 | 52.3 | 50.0 | 105 | 45-146 | 2 | 30 |
| Styrene | 1.0 U | 48.5 | 50.0 | 97 | 51.2 | 50.0 | 102 | 74-136 | 6 | 30 |
| Tetrachloroethene (PCE) | 1.0 U | 49.0 | 50.0 | 98 | 50.8 | 50.0 | 102 | 72-125 | 4 | 30 |
| Toluene | 1.0 U | 50.8 | 50.0 | 102 | 52.3 | 50.0 | 105 | 79-119 | 3 | 30 |
| Trichloroethene (TCE) | 0.38 J | 48.9 | 50.0 | 97 | 51.6 | 50.0 | 103 | 74-122 | 5 | 30 |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 56.1 | 50.0 | 112 | 57.6 | 50.0 | 115 | 71-136 | 3 | 30 |
| Vinyl Chloride | 1.0 U | 56.1 | 50.0 | 112 | 57.8 | 50.0 | 116 | 74-159 | 3 | 30 |
| cis-1,2-Dichloroethene | 1.0 U | 54.9 | 50.0 | 110 | 55.4 | 50.0 | 111 | 77-127 | 1 | 30 |
| cis-1,3-Dichloropropene | 1.0 U | 46.9 | 50.0 | 94 | 48.9 | 50.0 | 98 | 52-134 | 4 | 30 |
| m,p-Xylenes | 2.0 U | 102 | 100 | 102 | 106 | 100 | 106 | 80-126 | 4 | 30 |
| o-Xylene | 1.0 U | 49.7 | 50.0 | 99 | 51.7 | 50.0 | 103 | 79-123 | 4 | 30 |
| trans-1,2-Dichloroethene | 1.0 U | 48.8 | 50.0 | 98 | 50.7 | 50.0 | 101 | 73-118 | 4 | 30 |
| trans-1,3-Dichloropropene | 1.0 U | 47.7 | 50.0 | 95 | 50.4 | 50.0 | 101 | 71-133 | 6 | 30 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413029-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 11:53 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 11:53 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 11:53 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 11:53 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 11:53 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 11:53 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 11:53 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 11:53 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 11:53 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 11:53 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 11:53 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 11:53 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 11:53 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 11:53 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 11:53 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 11:53 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 11:53 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 11:53 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 11:53 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413029-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 11:53 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 11:53 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 11:53 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 11:53 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 11:53 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 10/15/24 11:53 | |
| Dibromofluoromethane | 99 | 80 - 116 | 10/15/24 11:53 | |
| Toluene-d8 | 100 | 87 - 121 | 10/15/24 11:53 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413236-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 16:37 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 16:37 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 16:37 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 16:37 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 16:37 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 16:37 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 16:37 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 16:37 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 16:37 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 16:37 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 16:37 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 16:37 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 16:37 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 16:37 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 16:37 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 16:37 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 16:37 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 16:37 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 16:37 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413236-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 16:37 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 16:37 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 16:37 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 16:37 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 16:37 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/17/24 16:37 | |
| Dibromofluoromethane | 95 | 80 - 116 | 10/17/24 16:37 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 16:37 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413294-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 23:10 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 23:10 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/18/24 23:10 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/18/24 23:10 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/18/24 23:10 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 23:10 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/18/24 23:10 | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 23:10 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/18/24 23:10 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/18/24 23:10 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 23:10 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 23:10 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/18/24 23:10 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/18/24 23:10 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/18/24 23:10 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/18/24 23:10 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/18/24 23:10 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/18/24 23:10 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/18/24 23:10 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | NA |
| **Sample Matrix:** | Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | RQ2413294-03 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/18/24 23:10 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 23:10 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/18/24 23:10 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 23:10 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 23:10 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 92 | 85 - 122 | 10/18/24 23:10 | |
| Dibromofluoromethane | 93 | 80 - 116 | 10/18/24 23:10 | |
| Toluene-d8 | 98 | 87 - 121 | 10/18/24 23:10 | |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/15/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413029-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 8260D | 18.5 | 20.0 | 93 | 75-125 |
| 1,1,2,2-Tetrachloroethane | 8260D | 16.6 | 20.0 | 83 | 78-126 |
| 1,1,2-Trichloroethane | 8260D | 19.1 | 20.0 | 95 | 82-121 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8260D | 19.1 | 20.0 | 95 | 67-124 |
| 1,1-Dichloroethane (1,1-DCA) | 8260D | 19.0 | 20.0 | 95 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260D | 20.7 | 20.0 | 104 | 71-118 |
| 1,2,3-Trichlorobenzene | 8260D | 19.3 | 20.0 | 97 | 67-136 |
| 1,2,4-Trichlorobenzene | 8260D | 19.2 | 20.0 | 96 | 75-132 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8260D | 15.3 | 20.0 | 77 | 55-136 |
| 1,2-Dibromoethane | 8260D | 17.8 | 20.0 | 89 | 82-127 |
| 1,2-Dichlorobenzene | 8260D | 19.2 | 20.0 | 96 | 80-119 |
| 1,2-Dichloroethane | 8260D | 19.3 | 20.0 | 97 | 71-127 |
| 1,2-Dichloropropane | 8260D | 18.7 | 20.0 | 94 | 80-119 |
| 1,3-Dichlorobenzene | 8260D | 19.4 | 20.0 | 97 | 83-121 |
| 1,4-Dichlorobenzene | 8260D | 18.9 | 20.0 | 94 | 79-119 |
| 1,4-Dioxane | 8260D | 328 | 400 | 82 | 44-154 |
| 2-Butanone (MEK) | 8260D | 15.1 | 20.0 | 75 | 61-137 |
| 2-Hexanone | 8260D | 15.0 | 20.0 | 75 | 63-124 |
| 4-Methyl-2-pentanone | 8260D | 16.3 | 20.0 | 82 | 66-124 |
| Acetone | 8260D | 15.2 | 20.0 | 76 | 40-161 |
| Benzene | 8260D | 18.8 | 20.0 | 94 | 79-119 |
| Bromochloromethane | 8260D | 20.0 | 20.0 | 100 | 81-126 |
| Bromodichloromethane | 8260D | 18.0 | 20.0 | 90 | 81-123 |
| Bromoform | 8260D | 17.8 | 20.0 | 89 | 65-146 |
| Bromomethane | 8260D | 25.4 | 20.0 | 127 | 42-166 |
| Carbon Disulfide | 8260D | 16.8 | 20.0 | 84 | 66-128 |
| Carbon Tetrachloride | 8260D | 18.7 | 20.0 | 94 | 70-127 |
| Chlorobenzene | 8260D | 18.0 | 20.0 | 90 | 80-121 |
| Chloroethane | 8260D | 20.8 | 20.0 | 104 | 62-131 |
| Chloroform | 8260D | 19.0 | 20.0 | 95 | 79-120 |
| Chloromethane | 8260D | 21.6 | 20.0 | 108 | 61-143 |
| Cyclohexane | 8260D | 17.6 | 20.0 | 88 | 69-120 |
| Dibromochloromethane | 8260D | 17.4 | 20.0 | 87 | 72-128 |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/15/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413029-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 8260D | 28.0 | 20.0 | 140 | 59-155 |
| Dichloromethane | 8260D | 20.0 | 20.0 | 100 | 73-122 |
| Ethylbenzene | 8260D | 18.8 | 20.0 | 94 | 76-120 |
| Isopropylbenzene (Cumene) | 8260D | 19.6 | 20.0 | 98 | 77-128 |
| Methyl Acetate | 8260D | 15.1 | 20.0 | 75 | 44-93 |
| Methyl tert-Butyl Ether | 8260D | 18.4 | 20.0 | 92 | 75-118 |
| Methylcyclohexane | 8260D | 18.2 | 20.0 | 91 | 51-129 |
| Styrene | 8260D | 18.5 | 20.0 | 92 | 80-124 |
| Tetrachloroethene (PCE) | 8260D | 18.5 | 20.0 | 93 | 72-125 |
| Toluene | 8260D | 18.6 | 20.0 | 93 | 79-119 |
| Trichloroethene (TCE) | 8260D | 18.8 | 20.0 | 94 | 74-122 |
| Trichlorofluoromethane (CFC 11) | 8260D | 20.4 | 20.0 | 102 | 71-136 |
| Vinyl Chloride | 8260D | 22.5 | 20.0 | 112 | 74-159 |
| cis-1,2-Dichloroethene | 8260D | 20.4 | 20.0 | 102 | 80-121 |
| cis-1,3-Dichloropropene | 8260D | 18.4 | 20.0 | 92 | 77-122 |
| m,p-Xylenes | 8260D | 37.1 | 40.0 | 93 | 80-126 |
| o-Xylene | 8260D | 18.4 | 20.0 | 92 | 79-123 |
| trans-1,2-Dichloroethene | 8260D | 17.1 | 20.0 | 85 | 73-118 |
| trans-1,3-Dichloropropene | 8260D | 19.2 | 20.0 | 96 | 71-133 |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/17/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413236-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 8260D | 21.0 | 20.0 | 105 | 75-125 |
| 1,1,2,2-Tetrachloroethane | 8260D | 17.7 | 20.0 | 89 | 78-126 |
| 1,1,2-Trichloroethane | 8260D | 20.2 | 20.0 | 101 | 82-121 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8260D | 21.6 | 20.0 | 108 | 67-124 |
| 1,1-Dichloroethane (1,1-DCA) | 8260D | 21.6 | 20.0 | 108 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260D | 21.4 | 20.0 | 107 | 71-118 |
| 1,2,3-Trichlorobenzene | 8260D | 20.4 | 20.0 | 102 | 67-136 |
| 1,2,4-Trichlorobenzene | 8260D | 21.6 | 20.0 | 108 | 75-132 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8260D | 14.6 | 20.0 | 73 | 55-136 |
| 1,2-Dibromoethane | 8260D | 18.5 | 20.0 | 93 | 82-127 |
| 1,2-Dichlorobenzene | 8260D | 20.4 | 20.0 | 102 | 80-119 |
| 1,2-Dichloroethane | 8260D | 21.6 | 20.0 | 108 | 71-127 |
| 1,2-Dichloropropane | 8260D | 19.7 | 20.0 | 98 | 80-119 |
| 1,3-Dichlorobenzene | 8260D | 21.0 | 20.0 | 105 | 83-121 |
| 1,4-Dichlorobenzene | 8260D | 20.7 | 20.0 | 103 | 79-119 |
| 1,4-Dioxane | 8260D | 316 | 400 | 79 | 44-154 |
| 2-Butanone (MEK) | 8260D | 16.0 | 20.0 | 80 | 61-137 |
| 2-Hexanone | 8260D | 15.0 | 20.0 | 75 | 63-124 |
| 4-Methyl-2-pentanone | 8260D | 16.0 | 20.0 | 80 | 66-124 |
| Acetone | 8260D | 12.4 | 20.0 | 62 | 40-161 |
| Benzene | 8260D | 21.4 | 20.0 | 107 | 79-119 |
| Bromochloromethane | 8260D | 20.8 | 20.0 | 104 | 81-126 |
| Bromodichloromethane | 8260D | 19.9 | 20.0 | 99 | 81-123 |
| Bromoform | 8260D | 17.5 | 20.0 | 87 | 65-146 |
| Bromomethane | 8260D | 22.5 | 20.0 | 112 | 42-166 |
| Carbon Disulfide | 8260D | 18.4 | 20.0 | 92 | 66-128 |
| Carbon Tetrachloride | 8260D | 20.5 | 20.0 | 103 | 70-127 |
| Chlorobenzene | 8260D | 20.2 | 20.0 | 101 | 80-121 |
| Chloroethane | 8260D | 17.9 | 20.0 | 89 | 62-131 |
| Chloroform | 8260D | 21.1 | 20.0 | 106 | 79-120 |
| Chloromethane | 8260D | 23.6 | 20.0 | 118 | 61-143 |
| Cyclohexane | 8260D | 22.2 | 20.0 | 111 | 69-120 |
| Dibromochloromethane | 8260D | 18.5 | 20.0 | 92 | 72-128 |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/17/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413236-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 8260D | 32.1 | 20.0 | 161 * | 59-155 |
| Dichloromethane | 8260D | 22.3 | 20.0 | 111 | 73-122 |
| Ethylbenzene | 8260D | 20.7 | 20.0 | 103 | 76-120 |
| Isopropylbenzene (Cumene) | 8260D | 21.9 | 20.0 | 109 | 77-128 |
| Methyl Acetate | 8260D | 14.8 | 20.0 | 74 | 44-93 |
| Methyl tert-Butyl Ether | 8260D | 20.2 | 20.0 | 101 | 75-118 |
| Methylcyclohexane | 8260D | 22.4 | 20.0 | 112 | 51-129 |
| Styrene | 8260D | 20.6 | 20.0 | 103 | 80-124 |
| Tetrachloroethene (PCE) | 8260D | 21.0 | 20.0 | 105 | 72-125 |
| Toluene | 8260D | 21.6 | 20.0 | 108 | 79-119 |
| Trichloroethene (TCE) | 8260D | 21.0 | 20.0 | 105 | 74-122 |
| Trichlorofluoromethane (CFC 11) | 8260D | 22.6 | 20.0 | 113 | 71-136 |
| Vinyl Chloride | 8260D | 22.7 | 20.0 | 114 | 74-159 |
| cis-1,2-Dichloroethene | 8260D | 23.5 | 20.0 | 118 | 80-121 |
| cis-1,3-Dichloropropene | 8260D | 20.2 | 20.0 | 101 | 77-122 |
| m,p-Xylenes | 8260D | 43.0 | 40.0 | 107 | 80-126 |
| o-Xylene | 8260D | 20.3 | 20.0 | 101 | 79-123 |
| trans-1,2-Dichloroethene | 8260D | 20.2 | 20.0 | 101 | 73-118 |
| trans-1,3-Dichloropropene | 8260D | 21.1 | 20.0 | 106 | 71-133 |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/18/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413294-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 8260D | 18.5 | 20.0 | 92 | 75-125 |
| 1,1,2,2-Tetrachloroethane | 8260D | 17.7 | 20.0 | 88 | 78-126 |
| 1,1,2-Trichloroethane | 8260D | 18.3 | 20.0 | 91 | 82-121 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8260D | 19.1 | 20.0 | 95 | 67-124 |
| 1,1-Dichloroethane (1,1-DCA) | 8260D | 19.4 | 20.0 | 97 | 80-124 |
| 1,1-Dichloroethene (1,1-DCE) | 8260D | 19.3 | 20.0 | 96 | 71-118 |
| 1,2,3-Trichlorobenzene | 8260D | 18.7 | 20.0 | 94 | 67-136 |
| 1,2,4-Trichlorobenzene | 8260D | 18.4 | 20.0 | 92 | 75-132 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8260D | 13.8 | 20.0 | 69 | 55-136 |
| 1,2-Dibromoethane | 8260D | 17.4 | 20.0 | 87 | 82-127 |
| 1,2-Dichlorobenzene | 8260D | 19.1 | 20.0 | 95 | 80-119 |
| 1,2-Dichloroethane | 8260D | 19.8 | 20.0 | 99 | 71-127 |
| 1,2-Dichloropropane | 8260D | 18.4 | 20.0 | 92 | 80-119 |
| 1,3-Dichlorobenzene | 8260D | 19.0 | 20.0 | 95 | 83-121 |
| 1,4-Dichlorobenzene | 8260D | 18.3 | 20.0 | 92 | 79-119 |
| 1,4-Dioxane | 8260D | 312 | 400 | 78 | 44-154 |
| 2-Butanone (MEK) | 8260D | 15.4 | 20.0 | 77 | 61-137 |
| 2-Hexanone | 8260D | 15.4 | 20.0 | 77 | 63-124 |
| 4-Methyl-2-pentanone | 8260D | 16.3 | 20.0 | 81 | 66-124 |
| Acetone | 8260D | 13.7 | 20.0 | 68 | 40-161 |
| Benzene | 8260D | 19.9 | 20.0 | 99 | 79-119 |
| Bromochloromethane | 8260D | 18.6 | 20.0 | 93 | 81-126 |
| Bromodichloromethane | 8260D | 18.4 | 20.0 | 92 | 81-123 |
| Bromoform | 8260D | 16.3 | 20.0 | 81 | 65-146 |
| Bromomethane | 8260D | 20.7 | 20.0 | 104 | 42-166 |
| Carbon Disulfide | 8260D | 16.7 | 20.0 | 83 | 66-128 |
| Carbon Tetrachloride | 8260D | 18.0 | 20.0 | 90 | 70-127 |
| Chlorobenzene | 8260D | 19.0 | 20.0 | 95 | 80-121 |
| Chloroethane | 8260D | 16.4 | 20.0 | 82 | 62-131 |
| Chloroform | 8260D | 19.3 | 20.0 | 96 | 79-120 |
| Chloromethane | 8260D | 21.5 | 20.0 | 108 | 61-143 |
| Cyclohexane | 8260D | 20.9 | 20.0 | 105 | 69-120 |
| Dibromochloromethane | 8260D | 17.0 | 20.0 | 85 | 72-128 |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/18/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413294-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 8260D | 26.6 | 20.0 | 133 | 59-155 |
| Dichloromethane | 8260D | 20.1 | 20.0 | 100 | 73-122 |
| Ethylbenzene | 8260D | 19.1 | 20.0 | 96 | 76-120 |
| Isopropylbenzene (Cumene) | 8260D | 19.9 | 20.0 | 99 | 77-128 |
| Methyl Acetate | 8260D | 14.2 | 20.0 | 71 | 44-93 |
| Methyl tert-Butyl Ether | 8260D | 19.0 | 20.0 | 95 | 75-118 |
| Methylcyclohexane | 8260D | 18.8 | 20.0 | 94 | 51-129 |
| Styrene | 8260D | 19.1 | 20.0 | 95 | 80-124 |
| Tetrachloroethene (PCE) | 8260D | 18.9 | 20.0 | 95 | 72-125 |
| Toluene | 8260D | 19.3 | 20.0 | 96 | 79-119 |
| Trichloroethene (TCE) | 8260D | 19.4 | 20.0 | 97 | 74-122 |
| Trichlorofluoromethane (CFC 11) | 8260D | 19.8 | 20.0 | 99 | 71-136 |
| Vinyl Chloride | 8260D | 20.6 | 20.0 | 103 | 74-159 |
| cis-1,2-Dichloroethene | 8260D | 20.9 | 20.0 | 105 | 80-121 |
| cis-1,3-Dichloropropene | 8260D | 18.5 | 20.0 | 93 | 77-122 |
| m,p-Xylenes | 8260D | 38.6 | 40.0 | 97 | 80-126 |
| o-Xylene | 8260D | 18.7 | 20.0 | 93 | 79-123 |
| trans-1,2-Dichloroethene | 8260D | 18.5 | 20.0 | 92 | 73-118 |
| trans-1,3-Dichloropropene | 8260D | 18.8 | 20.0 | 94 | 71-133 |

# Exhibit B

# Laboratory Report

# (Full Category B Packages)

# (Provided Electronically)

# Exhibit C
# Data Usability Summary Report
# (DUSR)

# DATA USABILITY SUMMARY REPORT (DUSR)

**Site: DLS/Modock Road Springs**
**Victor, NY**
**Project #: 23-053**

**SDG: R2409921**
15 Water Samples and 1 Trip Blank

Prepared for:

**Marks Engineering**
**4303 Routes 5 & 20**
**Canandaigua, NY 14424**
**Attention: Jeremy Wolf**

**October 2024**

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

# *Table of Contents*



## *Tables*

**REVIEWER'S NARRATIVE**
**SDG R2409921 Marks Engineering DLS/Modock Road Springs**

The data associated with this Sample Delivery Group (SDG), analyzed by ALS Environmental Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/29/2024

Michael K. Perry
Chemist

# 1.0 SUMMARY

| | |
|---|---|
| **SITE:** | DLS/Modock Road Springs<br>Victor, NY<br>Project No. 24-053 |
| **SAMPLING DATE:** | October 04, 2024 |
| **SAMPLE TYPE:** | 15 water samples and 1 trip blank |
| **LABORATORY:** | ALS Environmental<br>Rochester, NY |
| **SDG No.:** | R2409921 |

# 2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

## 3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for sixteen water samples collected on October 04, 2024. These samples were analyzed for 8260C Volatile Organic Compounds.

All laboratory analyses were performed by ALS Environmental, Rochester, NY and analyzed as SDG R2409921. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

## 4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

## 5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

**TABLE 4-1**

**Guidance Used For Validating Laboratory Analytical Data**

| Analyte Group | Guidance | Date |
|---|---|---|
| Metals (ICP-AES) | USEPA SOP HW-3a, Rev. 1 | September 2016 |
| Metals (Hg & CN) | USEPA SOP HW-3c, Rev. 1 | September 2016 |
| Volatile Organic Compounds (by Methods 8260B & 8260C) | USEPA SOP HW-24, Rev. 4 | September 2014 |
| Semi-Volatile Organic Compounds (by Method 8270D) | USEPA SOP HW-22 Rev. 5 | December 2010 |
| Pesticides (by Method 8181B) | USEPA SOP HW-44, Rev. 1.1 | December 2010 |
| Chlorinated Herbicides (by Method 8151A) | USEPA SOP HW-17, Rev. 3.1 | December 2010 |
| Polychlorinated Biphenyls (PCBs) | USEPA SOP HW-37A, Rev. 0 | June 2015 |
| Volatile Organic Compounds (Air) (by Method TO-15) | USEPA SOP HW-31, Rev. 6 | September 2016 |
| Per- and PolyFluoroAlkyl Substances (PFAS) | * NYSDEC<br>** US Dept. of Defense | January 2021<br>November 2022 |
| Radiological Analysis | | |
| Uranium | USEPA Method 908.0 | June 1999 |
| Radium-226 | USEPA Method 903.1 | 1980 |
| General Chemistry Parameters | per NYSDEC ASP | July 2005 |

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

**TABLE 4-2**

**QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCBs | Metals | Gen Chemistry | PFAS |
|---|---|---|---|---|---|
| Completeness of Pkg | Completeness of Pkg | Completeness of Pkg | Completeness of Pkg | Completeness of Pkg | Completeness of Pkg |
| Sample Preservation | Sample Preservation | Sample Preservation | Sample Preservation | Sample Preservation | Sample Preservation |
| Holding Time | Holding Time | Holding Time | Holding Time | Holding Times | Holding Time |
| System Monitoring Compounds | Surrogate Recoveries | Surrogate Recoveries | Initial/Continuing Calibration | Calibration | Instr Performance Check |
| Lab Control Sample | Lab Control Sample | Matrix Spikes | CRDL Standards | Lab Control Samples | Initial Calibration |
| Matrix Spikes | Matrix Spikes | Blanks | Blanks | Blanks | Continuing Calibration |
| Blanks | Blanks | Instrument Calibration & Verification | Interference Check Sample | Spike Recoveries | Blanks |
| Instrument Tuning | Instrument Tuning | Comparison of duplicate GC column results | Spike Recoveries | Lab Duplicates | Surrogates |
| Internal Standards | Internal Standards | Analyte ID | Lab Duplicate | | Lab Fortified Blank |
| Initial Calibration | Initial Calibration | Lab Qualifiers | Lab Control Sample | | Matrix Spikes |
| Continuing Calibration | Continuing Calibration | Field Duplicate | ICP Serial Dilutions | | Internal Standards |
| Lab Qualifiers | Lab Qualifiers | | Lab Qualifiers | | |
| Field Duplicate | Field Duplicate | | Field Duplicate | | |

| Method TO-15 (Air) | Radiological (U and Ra) |
|---|---|
| Completeness of Pkg | Completeness of Pkg |
| Sample Preservation | Sample Preservation |
| Holding Time | Holding Time |
| Canister Certification | Sample Specific Yield |
| Instrument Tuning | Required Detection Limit |
| Initial Calibration and Instrument Performance | Laboratory Control Sample |
| | Matrix Spikes |
| Daily Calibration | Method Blank |
| Blanks | Instrument Calibration |
| Lab Control Sample | |
| Field Duplicate | |

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

**NOTE:** The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

**U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.

**J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

**J+** The result is an estimated quantity and may be biased high.

**J-** The result is an estimated quantity and may be biased low.

**UJ** The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

**R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**NJ** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

# 6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

# 7.0 TOTAL USABLE DATA

For SDG R2409921, sixteen samples were analyzed and results were reported for 848 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Note 1) Samples MW-24S and MW-13 were reanalyzed at a smaller dilution to improve the reporting limits. However the re-analysis was performed outside the 14 day holding time so all data is qualified as estimated but usable. Both the undiluted and diluted analytical results were reported.

**Table 6-1 8260C**

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|---|---|---|---|---|
| MW-24S RE<br>MW-13 RE | All analytes | UJ non-detects<br>J detects | Samples were reanalyzed outside of holding time | Data are estimated |
| MW-23<br>MW-10<br>EB100424<br>VOC Trip Blank | Acetone<br>Bromomethane | UJ non-detects<br>J detects | CCV % D > QC limit | Data are estimated |
| MW-24S<br>MW-4<br>SC-1<br>MW-15<br>MW-13<br>MW-14<br>MW-17S<br>MW-16<br>SS&G MW-3<br>MW-26<br>DUP100424 A<br>DUP100424 B | DBCP<br>Acetone<br>Dichlorodifluoromethane | UJ non-detects<br>J detects | ICV % D and/or CCV % D > QC limit | Data are estimated |
| MW-24S RE<br>MW-13 RE | DBCP<br>Acetone<br>Dichlorodifluoromethane | UJ non-detects<br>J detects | ICV % D and/or CCV % D > QC limit | Data are estimated |

# ACRONYMS

| | |
|---|---|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

# *Appendix A*

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## *Validated Analytical Results*

October 23, 2024 Service Request No:R2409921

Mr. Jeremy Wolf
Marks Engineering, PC
42 Beeman Street
Canadaigua, NY 14424

**Laboratory Results for: DLS/Modock Road Springs**

Dear Mr.Wolf,

Enclosed are the results of the sample(s) submitted to our laboratory October 04, 2024
For your reference, these analyses have been assigned our service request number **R2409921.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Janice Jaeger
Project Manager

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ALS Group USA, Corp.
dba ALS Environmental

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Received:** 10/04/2024

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.
Manual Integrations may have been used in the quantitation of the results in this report. Manual Integrations are readily identified in the raw data on the Quantitation Reports (Organics) by the automatic placement of an “m” next to the sample result. For Ion Chromatography, the manual integrations are identified by the automatic placement of “manipulated” or "manually integrated" in the upper left corner of the chromatogram (Hexavalent Chromium) or “M” by the result in the “Type” column (anions). The reason for the manual integration is noted on the “after” chromatogram, which is found with the original chromatogram and quantitation report. All integrations follow the lab SOP ADM-INT “Manual Integration.”

**Sample Receipt:**

Sixteen water samples were received for analysis at ALS Environmental on 10/04/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Volatiles by GC/MS:**

Method 8260D, 10/15/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/15/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/17/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/17/2024: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260D,R2409921-003,007:The analysis was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.

Method 8260D, 10/19/2024: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260D, 10/19/2024: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260D: The analysis of one or more samples was initially attempted within holding time but was not useable due to an analytical system or QC failure. Efforts were made to reanalyze the sample(s) as soon as possible after the analytical system

Approved by _____ Date 10/23/2024

was back in control. However, the reanalysis of the sample(s) was performed past the recommended holding time. The results from the reanalysis are reported. The data is flagged to indicate the holding time exceedance.

Approved by _____ Date 10/23/2024

**Client:** Marks Engineering, PC **Service Request:**R2409921

**Project:** DLS/Modock Road Springs

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| R2409921-001 | MW-23 | 10/4/2024 | 0815 |
| R2409921-002 | MW-10 | 10/4/2024 | 0830 |
| R2409921-003 | MW-24S | 10/4/2024 | 0845 |
| R2409921-004 | MW-4 | 10/4/2024 | 0900 |
| R2409921-005 | SC-1 | 10/4/2024 | 0915 |
| R2409921-006 | MW-15 | 10/4/2024 | 0950 |
| R2409921-007 | MW-13 | 10/4/2024 | 1000 |
| R2409921-008 | MW-14 | 10/4/2024 | 1020 |
| R2409921-009 | MW-17S | 10/4/2024 | 1010 |
| R2409921-010 | MW-16 | 10/4/2024 | 1030 |
| R2409921-011 | SS&G MW-3 | 10/4/2024 | 1100 |
| R2409921-012 | MW-26 | 10/4/2024 | 1115 |
| R2409921-013 | DUP100424 A | 10/4/2024 | 1200 |
| R2409921-014 | DUP100424 B | 10/4/2024 | 1230 |
| R2409921-015 | EB100424 | 10/4/2024 | 0910 |
| R2409921-016 | VOC Trip Blank | 10/4/2024 | |

# Chain of Custody / Analytical Request Form

078131

SR#:

Page 1 of 2

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS / Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler's Signature: |
| Address: 4303 Route 5 & 20 | Email CC: |
| Canandaigua NY 14424 | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: 1

Matrix: GW, WW, SW, DW, S, L, NA

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

| Lab ID (ALS) | Sample ID: | Date | Time | Matrix | Number of Containers | MS/MSD? | GC/MS VOA (8260) • 624 • 524 • TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-23 | 10/4/24 | 0815 | GW | 3 | | 3 | | | | | | | |
| | MW-10 MS/MSD | 10/4/24 | 0830 | GW | 3 | 6 | 9 | | | | | | | |
| | MW-24S | 10/4/24 | 0845 | GW | 3 | | 3 | | | | | | | |
| | MW-4 | 10/4/24 | 900 | GW | 3 | | 3 | | | | | | | |
| | SC-1 | 10/4/24 | 0915 | GW | 3 | | 3 | | | | | | | |
| | MW-15 | 10/4/24 | 0950 | GW | 3 | | 3 | | | | | | | |
| | MW-13 | 10/4/24 | 1000 | GW | 3 | | 3 | | | | | | | |
| | MW-14 | 10/4/24 | 1020 | GW | 3 | | 3 | | | | | | | |
| | MW-17S | 10/4/24 | 1010 | GW | 3 | | 3 | | | | | | | |
| | MW-16 | 10/4/24 | 1030 | GW | 3 | | 3 | | | | | | | |

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
X Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYS DEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: (TCL) • BTEX • TCLP • CP-51/Stars • THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: Jeremy Wolf
Email: JWolf@MarksEngineering.com
Phone: 585-500-8392
Address:

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory O'Esmerian | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 12:40 | 10/4/24 12:40 | | | | |

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs



Distribution: White - Lab Copy; Yellow - Return to Originator

# Chain of Custody / Analytical Request Form

078132

SR#:

Page 2 of 2

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

| Report To: | ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER |
|---|---|
| Company: Marks Engineering PC | Project Name: DLS/Modock Rd Springs |
| Contact: Jeremy Wolf | Project Number: 24-053 |
| Email: JWolf@MarksEngineering.com | ALS Quote #: |
| Phone: 585-500-8392 | Sampler Signature: |
| Address: 4303 Route 5 & 20 | Email: |
| Canandaigua NY 14425 | Email CC: |
| | State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other: |

Preservative: I

| Lab ID (ALS) | Sample Collection Information: Sample ID: | Date | Time | Matrix (GW WW SW DW S L NA) | Number of Containers | MS/MSD? | GC/MS VOA - 8260 • 624 • 524 • TCLP | GC/MS SVOA - 8270 • 625 • TCLP | Pesticides - 8081 • 608 • TCLP | PCBs - 8082 • 608 | Herbicides - 8151 • TCLP | Metals, Total - Select Below | Metals, Dissolved - Field / In-Lab Filter | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SS&G MW-3 | 10/4/24 | 1100 | GW | 3 | | 3 | | | | | | | |
| | MW-26 | 10/4/24 | 1115 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 A | 10/4/24 | 1200 | GW | 3 | | 3 | | | | | | | |
| | DUP 100424 B | 10/4/24 | 1230 | GW | 3 | | 3 | | | | | | | |
| | EB 100424 | 10/4/24 | 0910 | GW | 3 | | 3 | | | | | | | |
| | VOC Trip Blank | | | | | | | | | | | | | |

0. None
1. HCl
2. HNO3
3. H2SO4
4. NAOH
5. Zn Acet.
6. MeOH
7. NaHSO4
8. Other

Special Instructions / Comments:

**Turnaround Requirements**

____Rush (Surcharges Apply)
*Subject to Availability*
*Please Check with your PM*
X Standard (10 Business Days)
Date Required:

**Report Requirements**

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: NYSDEC

**Metals:** RCRA 8•PP 13•TAL 23•TCLP•Other (List)

**VOA/SVOA Report List:** (TCL) BTEX • TCLP • CP-51/Stars •THM • Other: _____

**Invoice To:** (X Same as Report To)

PO #: 24-053
Company: Marks Engineering
Contact: JWolf@MarksEngineering.com
Email: Jeremy Wolf
Phone: 585-500-8392

| | Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
|---|---|---|---|---|---|---|
| Signature | | | | | | |
| Printed Name | Jeremy Wolf | Gregory Formerian | | | | |
| Company | Marks Eng | ALS | | | | |
| Date/Time | 10/4/24 | 10/4/24 12:40 | | | | |

R2409921
Marks Engineering, PC
DLS/Modock Road Springs
5



Distribution: White - Lab Copy; Yellow - Return to Originator

R2409921 5
Marks Engineering, PC
DLS/Modock Road Springs

# Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 10/4/24 by: RDA COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Were **Custody seals** on outside of cooler? | Y (N) | 5a | Did **VOA** vials have sig* **bubbles?** | | Y (N) NA |
| 2 | **Custody papers** properly completed (ink, signed)? | (Y) N | 5b | Sig* bubbles: **Alk?** | Y N (NA) | **Sulfide?** Y N (NA) |
| 3 | Did all bottles arrive in good **condition** (unbroken)? | (Y) N | 6 | Where did the bottles originate? | | (ALS/ROC) CLIENT |
| 4 | Circle: **Wet Ice Dry Ice Gel packs** present? | (Y) N | 7 | Soil VOA received as: | Bulk Encore 5035set | (NA) |

8. Temperature Readings Date: 10/4/24 Time: 1240 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temp (°C) | 11.8 | | | | | | |
| Within 0-6°C? | Y (N) | Y N | Y N | Y N | Y N | Y N | Y N |
| If <0°C, were samples frozen? | Y N | Y N | Y N | Y N | Y N | Y N | Y N |

**If out of Temperature, note packing/ice condition:** _____ Ice melted Poorly Packed (described below) Same Day Rule

**&Client Approval to Run Samples:** _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RDA on 10/4/24 at 1248
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 10/4/24 Time: 1628 by: SES

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO) no dates
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

| pH | Lot of test paper | Reagent | Preserved? Yes | Preserved? No | Lot Received | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|---|---|---|---|---|---|---|---|---|---|---|
| ≥12 | | NaOH | | | | | | | | |
| ≤2 | | $HNO_3$ | | | | | | | | |
| ≤2 | | $H_2SO_4$ | | | | | | | | |
| <4 | | $NaHSO_4$ | | | | | | | | |
| 5-9 | | For 608pest | | | No=Notify for 3day | | | | | |
| Residual Chlorine (-) | | For CN, Phenol, 625, 608pest, 522 | | | If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol). | | | | -- -- -- | |
| | | $Na_2S_2O_3$ | | | | | | | | |
| | | ZnAcetate | - | - | | | **VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives). | | | |
| | | HCl | ** | ** | 24009230 | 4/27 | | | | |

Bottle lot numbers: CA0242.4-3AXH.
Explain all Discrepancies/ Other Comments:

| | |
|---|---|
| HPROD | BULK |
| HTR | FLDT |
| SUB | HGFB |
| ALS | LL3541 |

Labels secondary reviewed by: SES. *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

# Volatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-23 | **Units:** | ug/L |
| **Lab Code:** | R2409921-001 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **0.72** | **J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2,2-Tetrachloroethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2-Trichloroethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.35** | **J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2,3-Trichlorobenzene | 1.0 | U | 1.0 | 0.25 | 1 | 10/15/24 13:43 | |
| 1,2,4-Trichlorobenzene | 1.0 | U | 1.0 | 0.34 | 1 | 10/15/24 13:43 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 | U | 2.0 | 0.45 | 1 | 10/15/24 13:43 | |
| 1,2-Dibromoethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichloroethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,2-Dichloropropane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,3-Dichlorobenzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,4-Dichlorobenzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 1,4-Dioxane | 40 | U | 40 | 13 | 1 | 10/15/24 13:43 | |
| 2-Butanone (MEK) | 5.0 | U | 5.0 | 0.78 | 1 | 10/15/24 13:43 | |
| 2-Hexanone | 5.0 | U | 5.0 | 0.20 | 1 | 10/15/24 13:43 | |
| 4-Methyl-2-pentanone | 5.0 | U | 5.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Acetone | 5.0 | U | 5.0 | 5.0 | 1 | 10/15/24 13:43 | UJ |
| Benzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromochloromethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromodichloromethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Bromoform | 1.0 | U | 1.0 | 0.25 | 1 | 10/15/24 13:43 | |
| Bromomethane | 1.0 | U | 1.0 | 0.70 | 1 | 10/15/24 13:43 | UJ |
| Carbon Disulfide | 1.0 | U | 1.0 | 0.42 | 1 | 10/15/24 13:43 | |
| Carbon Tetrachloride | 1.0 | U | 1.0 | 0.34 | 1 | 10/15/24 13:43 | |
| Chlorobenzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Chloroethane | 1.0 | U | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |
| Chloroform | 1.0 | U | 1.0 | 0.51 | 1 | 10/15/24 13:43 | |
| Chloromethane | 1.0 | U | 1.0 | 0.80 | 1 | 10/15/24 13:43 | |
| Cyclohexane | 1.0 | U | 1.0 | 0.60 | 1 | 10/15/24 13:43 | |
| Dibromochloromethane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 | U | 1.0 | 0.21 | 1 | 10/15/24 13:43 | |
| Dichloromethane | 1.0 | U | 1.0 | 0.65 | 1 | 10/15/24 13:43 | |
| Ethylbenzene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Isopropylbenzene (Cumene) | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Methyl Acetate | 2.0 | U | 2.0 | 0.87 | 1 | 10/15/24 13:43 | |
| Methyl tert-Butyl Ether | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Methylcyclohexane | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Styrene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Tetrachloroethene (PCE) | 1.0 | U | 1.0 | 0.21 | 1 | 10/15/24 13:43 | |
| Toluene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-23 | **Units:** | ug/L |
| **Lab Code:** | R2409921-001 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **3.0** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 13:43 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| cis-1,2-Dichloroethene | **0.92 J** | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 13:43 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| trans-1,2-Dichloroethene | **0.34 J** | 1.0 | 0.20 | 1 | 10/15/24 13:43 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:43 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 10/15/24 13:43 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/15/24 13:43 | |
| Toluene-d8 | 101 | 87 - 121 | 10/15/24 13:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **1.5** | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 14:06 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 14:06 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 14:06 | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 14:06 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 14:06 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 14:06 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 14:06 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 14:06 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 14:06 | UJ |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 14:06 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 14:06 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 14:06 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 14:06 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 14:06 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 14:06 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 14:06 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 14:06 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 14:06 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-10 | **Units:** | ug/L |
| **Lab Code:** | R2409921-002 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **0.38** | **J** | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| Trichlorofluoromethane (CFC 11) | 1.0 | U | 1.0 | 0.24 | 1 | 10/15/24 14:06 | |
| Vinyl Chloride | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |
| cis-1,3-Dichloropropene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| m,p-Xylenes | 2.0 | U | 2.0 | 0.53 | 1 | 10/15/24 14:06 | |
| o-Xylene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| trans-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.20 | 1 | 10/15/24 14:06 | |
| trans-1,3-Dichloropropene | 1.0 | U | 1.0 | 0.23 | 1 | 10/15/24 14:06 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 85 - 122 | 10/15/24 14:06 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/15/24 14:06 | |
| Toluene-d8 | 102 | 87 - 121 | 10/15/24 14:06 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q | |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **11** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | J |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | UJ |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | UJ |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | UJ |
| 1,1-Dichloroethane (1,1-DCA) | **1.4** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | J |
| 1,1-Dichloroethene (1,1-DCE) | **3.1** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | J |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:18 | * | UJ |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:18 | * | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/19/24 00:18 | * | |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/19/24 00:18 | * | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/19/24 00:18 | * | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/19/24 00:18 | * | |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:18 | * | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/19/24 00:18 | * | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/19/24 00:18 | * | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:18 | * | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/19/24 00:18 | * | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/19/24 00:18 | * | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/19/24 00:18 | * | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:18 | * | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/19/24 00:18 | * | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/19/24 00:18 | * | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:18 | * | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **55** | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * J |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/19/24 00:18 | * UJ |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/19/24 00:18 | * |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:18 | * |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:18 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 96 | 85 - 122 | 10/19/24 00:18 | |
| Dibromofluoromethane | 94 | 80 - 116 | 10/19/24 00:18 | |
| Toluene-d8 | 98 | 87 - 121 | 10/19/24 00:18 | |

MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **9.4 J** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2,2-Tetrachloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2-Trichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,1-Dichloroethene (1,1-DCE) | **3.4 J** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2,3-Trichlorobenzene | 10 U | 10 | 2.5 | 10 | 10/17/24 20:02 | |
| 1,2,4-Trichlorobenzene | 10 U | 10 | 3.4 | 10 | 10/17/24 20:02 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 20 U | 20 | 4.5 | 10 | 10/17/24 20:02 | UJ |
| 1,2-Dibromoethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,2-Dichloropropane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,3-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,4-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| 1,4-Dioxane | 400 U | 400 | 130 | 10 | 10/17/24 20:02 | |
| 2-Butanone (MEK) | 50 U | 50 | 7.8 | 10 | 10/17/24 20:02 | |
| 2-Hexanone | 50 U | 50 | 2.0 | 10 | 10/17/24 20:02 | |
| 4-Methyl-2-pentanone | 50 U | 50 | 2.0 | 10 | 10/17/24 20:02 | |
| Acetone | 50 U | 50 | 50 | 10 | 10/17/24 20:02 | UJ |
| Benzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromodichloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Bromoform | 10 U | 10 | 2.5 | 10 | 10/17/24 20:02 | |
| Bromomethane | 10 U | 10 | 7.0 | 10 | 10/17/24 20:02 | |
| Carbon Disulfide | 10 U | 10 | 4.2 | 10 | 10/17/24 20:02 | |
| Carbon Tetrachloride | 10 U | 10 | 3.4 | 10 | 10/17/24 20:02 | |
| Chlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Chloroethane | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |
| Chloroform | 10 U | 10 | 5.1 | 10 | 10/17/24 20:02 | |
| Chloromethane | 10 U | 10 | 8.0 | 10 | 10/17/24 20:02 | |
| Cyclohexane | 10 U | 10 | 6.0 | 10 | 10/17/24 20:02 | |
| Dibromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Dichlorodifluoromethane (CFC 12) | 10 U | 10 | 2.1 | 10 | 10/17/24 20:02 | UJ |
| Dichloromethane | 10 U | 10 | 6.5 | 10 | 10/17/24 20:02 | |
| Ethylbenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Isopropylbenzene (Cumene) | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Methyl Acetate | 20 U | 20 | 8.7 | 10 | 10/17/24 20:02 | |
| Methyl tert-Butyl Ether | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Methylcyclohexane | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Styrene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 10/17/24 20:02 | |
| Toluene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 08:45 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-24S | **Units:** | ug/L |
| **Lab Code:** | R2409921-003 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **50** | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| Trichlorofluoromethane (CFC 11) | 10 U | 10 | 2.4 | 10 | 10/17/24 20:02 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |
| cis-1,3-Dichloropropene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| m,p-Xylenes | 20 U | 20 | 5.3 | 10 | 10/17/24 20:02 | |
| o-Xylene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 10/17/24 20:02 | |
| trans-1,3-Dichloropropene | 10 U | 10 | 2.3 | 10 | 10/17/24 20:02 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 20:02 | |
| Dibromofluoromethane | 98 | 80 - 116 | 10/17/24 20:02 | |
| Toluene-d8 | 104 | 87 - 121 | 10/17/24 20:02 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-4 | **Units:** | ug/L |
| **Lab Code:** | R2409921-004 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **7.9** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.66 J** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.7** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:25 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:25 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 20:25 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 20:25 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 20:25 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:25 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 20:25 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:25 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 20:25 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 20:25 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:25 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 20:25 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 20:25 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 20:25 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:25 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 20:25 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 20:25 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:25 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-4 | **Units:** | ug/L |
| **Lab Code:** | R2409921-004 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **40** | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 20:25 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 20:25 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:25 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:25 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/17/24 20:25 | |
| Dibromofluoromethane | 98 | 80 - 116 | 10/17/24 20:25 | |
| Toluene-d8 | 102 | 87 - 121 | 10/17/24 20:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SC-1 | **Units:** | ug/L |
| **Lab Code:** | R2409921-005 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **5.0** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.40 J** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:47 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:47 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 20:47 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 20:47 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 20:47 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:47 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 20:47 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 20:47 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 20:47 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 20:47 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 20:47 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 20:47 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 20:47 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 20:47 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:47 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 20:47 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 20:47 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 20:47 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SC-1 | **Units:** | ug/L |
| **Lab Code:** | R2409921-005 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **27** | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 20:47 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 20:47 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 20:47 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 20:47 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 20:47 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 20:47 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 20:47 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:50 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-15 | **Units:** | ug/L |
| **Lab Code:** | R2409921-006 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **12** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.9** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:10 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:10 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 21:10 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 21:10 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 21:10 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:10 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 21:10 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:10 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 21:10 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 21:10 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:10 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 21:10 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 21:10 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 21:10 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:10 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 21:10 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 21:10 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:10 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:50 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-15 | **Units:** | ug/L |
| **Lab Code:** | R2409921-006 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **3.1** | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 21:10 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 21:10 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:10 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:10 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 98 | 85 - 122 | 10/17/24 21:10 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 21:10 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 21:10 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **19** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * J |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * UJ |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * UJ |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * UJ |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * UJ |
| 1,1-Dichloroethene (1,1-DCE) | **2.8** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * J |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:41 | * UJ |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:41 | * |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/19/24 00:41 | * |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/19/24 00:41 | * |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/19/24 00:41 | * |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/19/24 00:41 | * |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/19/24 00:41 | * |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/19/24 00:41 | * |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/19/24 00:41 | * |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/19/24 00:41 | * |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/19/24 00:41 | * |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/19/24 00:41 | * |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/19/24 00:41 | * |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/19/24 00:41 | * |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/19/24 00:41 | * |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/19/24 00:41 | * |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| Tetrachloroethene (PCE) | **0.42 J** | 1.0 | 0.21 | 1 | 10/19/24 00:41 | * J |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * UJ |

Printed 10/23/2024 1:08:50 PM

Superset Reference:24-0000712710 rev 00

MKP 10/29/2024

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **43** | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * J |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/19/24 00:41 | * UJ |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/19/24 00:41 | * |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/19/24 00:41 | * |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/19/24 00:41 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/19/24 00:41 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/19/24 00:41 | |
| Toluene-d8 | 103 | 87 - 121 | 10/19/24 00:41 | |

MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **18** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2,2-Tetrachloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2-Trichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1-Dichloroethane (1,1-DCA) | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,1-Dichloroethene (1,1-DCE) | **2.3 J** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2,3-Trichlorobenzene | 10 U | 10 | 2.5 | 10 | 10/17/24 21:33 | |
| 1,2,4-Trichlorobenzene | 10 U | 10 | 3.4 | 10 | 10/17/24 21:33 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 20 U | 20 | 4.5 | 10 | 10/17/24 21:33 | UJ |
| 1,2-Dibromoethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichloroethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,2-Dichloropropane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,3-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,4-Dichlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| 1,4-Dioxane | 400 U | 400 | 130 | 10 | 10/17/24 21:33 | |
| 2-Butanone (MEK) | 50 U | 50 | 7.8 | 10 | 10/17/24 21:33 | |
| 2-Hexanone | 50 U | 50 | 2.0 | 10 | 10/17/24 21:33 | |
| 4-Methyl-2-pentanone | 50 U | 50 | 2.0 | 10 | 10/17/24 21:33 | |
| Acetone | 50 U | 50 | 50 | 10 | 10/17/24 21:33 | UJ |
| Benzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromodichloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Bromoform | 10 U | 10 | 2.5 | 10 | 10/17/24 21:33 | |
| Bromomethane | 10 U | 10 | 7.0 | 10 | 10/17/24 21:33 | |
| Carbon Disulfide | 10 U | 10 | 4.2 | 10 | 10/17/24 21:33 | |
| Carbon Tetrachloride | 10 U | 10 | 3.4 | 10 | 10/17/24 21:33 | |
| Chlorobenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Chloroethane | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |
| Chloroform | 10 U | 10 | 5.1 | 10 | 10/17/24 21:33 | |
| Chloromethane | 10 U | 10 | 8.0 | 10 | 10/17/24 21:33 | |
| Cyclohexane | 10 U | 10 | 6.0 | 10 | 10/17/24 21:33 | |
| Dibromochloromethane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Dichlorodifluoromethane (CFC 12) | 10 U | 10 | 2.1 | 10 | 10/17/24 21:33 | UJ |
| Dichloromethane | 10 U | 10 | 6.5 | 10 | 10/17/24 21:33 | |
| Ethylbenzene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Isopropylbenzene (Cumene) | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Methyl Acetate | 20 U | 20 | 8.7 | 10 | 10/17/24 21:33 | |
| Methyl tert-Butyl Ether | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Methylcyclohexane | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Styrene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Tetrachloroethene (PCE) | 10 U | 10 | 2.1 | 10 | 10/17/24 21:33 | |
| Toluene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-13 | **Units:** | ug/L |
| **Lab Code:** | R2409921-007 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **36** | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| Trichlorofluoromethane (CFC 11) | 10 U | 10 | 2.4 | 10 | 10/17/24 21:33 | |
| Vinyl Chloride | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| cis-1,2-Dichloroethene | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |
| cis-1,3-Dichloropropene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| m,p-Xylenes | 20 U | 20 | 5.3 | 10 | 10/17/24 21:33 | |
| o-Xylene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| trans-1,2-Dichloroethene | 10 U | 10 | 2.0 | 10 | 10/17/24 21:33 | |
| trans-1,3-Dichloropropene | 10 U | 10 | 2.3 | 10 | 10/17/24 21:33 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 94 | 85 - 122 | 10/17/24 21:33 | |
| Dibromofluoromethane | 91 | 80 - 116 | 10/17/24 21:33 | |
| Toluene-d8 | 96 | 87 - 121 | 10/17/24 21:33 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:20 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-14 | **Units:** | ug/L |
| **Lab Code:** | R2409921-008 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **9.9** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,1-Dichloroethene (1,1-DCE) | **0.96 J** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:55 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:55 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 21:55 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 21:55 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 21:55 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:55 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 21:55 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 21:55 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 21:55 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 21:55 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 21:55 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 21:55 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 21:55 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 21:55 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 21:55 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 21:55 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 21:55 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Tetrachloroethene (PCE) | **0.57 J** | 1.0 | 0.21 | 1 | 10/17/24 21:55 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:20 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-14 | **Units:** | ug/L |
| **Lab Code:** | R2409921-008 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **40** | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 21:55 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 21:55 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 21:55 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 21:55 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 10/17/24 21:55 | |
| Dibromofluoromethane | 96 | 80 - 116 | 10/17/24 21:55 | |
| Toluene-d8 | 100 | 87 - 121 | 10/17/24 21:55 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-17S | **Units:** | ug/L |
| **Lab Code:** | R2409921-009 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **13** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2,2-Tetrachloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2-Trichloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1-Dichloroethane (1,1-DCA) | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,1-Dichloroethene (1,1-DCE) | **2.2** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2,3-Trichlorobenzene | 2.0 U | 2.0 | 0.50 | 2 | 10/17/24 23:26 | |
| 1,2,4-Trichlorobenzene | 2.0 U | 2.0 | 0.68 | 2 | 10/17/24 23:26 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 4.0 U | 4.0 | 0.90 | 2 | 10/17/24 23:26 | UJ |
| 1,2-Dibromoethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichloroethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,2-Dichloropropane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,3-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,4-Dichlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| 1,4-Dioxane | 80 U | 80 | 26 | 2 | 10/17/24 23:26 | |
| 2-Butanone (MEK) | 10 U | 10 | 1.6 | 2 | 10/17/24 23:26 | |
| 2-Hexanone | 10 U | 10 | 0.40 | 2 | 10/17/24 23:26 | |
| 4-Methyl-2-pentanone | 10 U | 10 | 0.40 | 2 | 10/17/24 23:26 | |
| Acetone | 10 U | 10 | 10 | 2 | 10/17/24 23:26 | UJ |
| Benzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromochloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromodichloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Bromoform | 2.0 U | 2.0 | 0.50 | 2 | 10/17/24 23:26 | |
| Bromomethane | 2.0 U | 2.0 | 1.4 | 2 | 10/17/24 23:26 | |
| Carbon Disulfide | 2.0 U | 2.0 | 0.84 | 2 | 10/17/24 23:26 | |
| Carbon Tetrachloride | 2.0 U | 2.0 | 0.68 | 2 | 10/17/24 23:26 | |
| Chlorobenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Chloroethane | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |
| Chloroform | 2.0 U | 2.0 | 1.1 | 2 | 10/17/24 23:26 | |
| Chloromethane | 2.0 U | 2.0 | 1.6 | 2 | 10/17/24 23:26 | |
| Cyclohexane | 2.0 U | 2.0 | 1.2 | 2 | 10/17/24 23:26 | |
| Dibromochloromethane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Dichlorodifluoromethane (CFC 12) | 2.0 U | 2.0 | 0.42 | 2 | 10/17/24 23:26 | UJ |
| Dichloromethane | 2.0 U | 2.0 | 1.3 | 2 | 10/17/24 23:26 | |
| Ethylbenzene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Isopropylbenzene (Cumene) | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Methyl Acetate | 4.0 U | 4.0 | 1.8 | 2 | 10/17/24 23:26 | |
| Methyl tert-Butyl Ether | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Methylcyclohexane | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Styrene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Tetrachloroethene (PCE) | **0.82 J** | 2.0 | 0.42 | 2 | 10/17/24 23:26 | |
| Toluene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-17S | **Units:** | ug/L |
| **Lab Code:** | R2409921-009 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **210** | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| Trichlorofluoromethane (CFC 11) | 2.0 U | 2.0 | 0.48 | 2 | 10/17/24 23:26 | |
| Vinyl Chloride | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| cis-1,2-Dichloroethene | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |
| cis-1,3-Dichloropropene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| m,p-Xylenes | 4.0 U | 4.0 | 1.1 | 2 | 10/17/24 23:26 | |
| o-Xylene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| trans-1,2-Dichloroethene | 2.0 U | 2.0 | 0.40 | 2 | 10/17/24 23:26 | |
| trans-1,3-Dichloropropene | 2.0 U | 2.0 | 0.46 | 2 | 10/17/24 23:26 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/17/24 23:26 | |
| Dibromofluoromethane | 95 | 80 - 116 | 10/17/24 23:26 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 23:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-16 | **Units:** | ug/L |
| **Lab Code:** | R2409921-010 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **15** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **0.77 J** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,1-Dichloroethene (1,1-DCE) | **3.0** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:49 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:49 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 23:49 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 23:49 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 23:49 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:49 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 23:49 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:49 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 23:49 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 23:49 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:49 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 23:49 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 23:49 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 23:49 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 23:49 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 23:49 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 23:49 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Tetrachloroethene (PCE) | **0.45 J** | 1.0 | 0.21 | 1 | 10/17/24 23:49 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |



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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 10:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-16 | **Units:** | ug/L |
| **Lab Code:** | R2409921-010 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **140** | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 23:49 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 23:49 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:49 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:49 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 10/17/24 23:49 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/17/24 23:49 | |
| Toluene-d8 | 101 | 87 - 121 | 10/17/24 23:49 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SS&G MW-3 | **Units:** | ug/L |
| **Lab Code:** | R2409921-011 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **3.9** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,1-Dichloroethene (1,1-DCE) | **0.62 J** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:18 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:18 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 22:18 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 22:18 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 22:18 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:18 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 22:18 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:18 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 22:18 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 22:18 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:18 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 22:18 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 22:18 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 22:18 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:18 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 22:18 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 22:18 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:18 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |



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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | SS&G MW-3 | **Units:** | ug/L |
| **Lab Code:** | R2409921-011 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **6.9** | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 22:18 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 22:18 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:18 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:18 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 95 | 85 - 122 | 10/17/24 22:18 | |
| Dibromofluoromethane | 93 | 80 - 116 | 10/17/24 22:18 | |
| Toluene-d8 | 98 | 87 - 121 | 10/17/24 22:18 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-26 | **Units:** | ug/L |
| **Lab Code:** | R2409921-012 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **6.1** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **0.95 J** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.2** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 00:12 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 00:12 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/18/24 00:12 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/18/24 00:12 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/18/24 00:12 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 00:12 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/18/24 00:12 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/18/24 00:12 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/18/24 00:12 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/18/24 00:12 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/18/24 00:12 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/18/24 00:12 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/18/24 00:12 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/18/24 00:12 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/18/24 00:12 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/18/24 00:12 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/18/24 00:12 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Tetrachloroethene (PCE) | **1.7** | 1.0 | 0.21 | 1 | 10/18/24 00:12 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 11:15 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | MW-26 | **Units:** | ug/L |
| **Lab Code:** | R2409921-012 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **98** | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/18/24 00:12 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/18/24 00:12 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/18/24 00:12 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/18/24 00:12 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 97 | 85 - 122 | 10/18/24 00:12 | |
| Dibromofluoromethane | 97 | 80 - 116 | 10/18/24 00:12 | |
| Toluene-d8 | 101 | 87 - 121 | 10/18/24 00:12 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 A | **Units:** | ug/L |
| **Lab Code:** | R2409921-013 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **4.9** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1-Dichloroethane (1,1-DCA) | **0.41 J** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:41 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:41 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 22:41 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 22:41 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 22:41 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:41 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 22:41 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 22:41 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 22:41 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 22:41 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 22:41 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 22:41 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 22:41 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 22:41 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:41 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 22:41 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 22:41 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 22:41 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |


MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:00 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 A | **Units:** | ug/L |
| **Lab Code:** | R2409921-013 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **28** | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 22:41 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 22:41 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 22:41 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 22:41 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 85 - 122 | 10/17/24 22:41 | |
| Dibromofluoromethane | 100 | 80 - 116 | 10/17/24 22:41 | |
| Toluene-d8 | 103 | 87 - 121 | 10/17/24 22:41 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 B | **Units:** | ug/L |
| **Lab Code:** | R2409921-014 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | **6.5** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | **1.1** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,1-Dichloroethene (1,1-DCE) | **1.2** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:03 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:03 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/17/24 23:03 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/17/24 23:03 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/17/24 23:03 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:03 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/17/24 23:03 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/17/24 23:03 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/17/24 23:03 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/17/24 23:03 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/17/24 23:03 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/17/24 23:03 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/17/24 23:03 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/17/24 23:03 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/17/24 23:03 | UJ |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/17/24 23:03 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/17/24 23:03 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Tetrachloroethene (PCE) | **2.4** | 1.0 | 0.21 | 1 | 10/17/24 23:03 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |


MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 12:30 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | DUP100424 B | **Units:** | ug/L |
| **Lab Code:** | R2409921-014 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**Prep Method:** EPA 5030C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | **120** | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/17/24 23:03 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/17/24 23:03 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/17/24 23:03 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/17/24 23:03 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 102 | 85 - 122 | 10/17/24 23:03 | |
| Dibromofluoromethane | 101 | 80 - 116 | 10/17/24 23:03 | |
| Toluene-d8 | 105 | 87 - 121 | 10/17/24 23:03 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | EB100424 | **Units:** | ug/L |
| **Lab Code:** | R2409921-015 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:20 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 13:20 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,4-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 13:20 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 13:20 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:20 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 13:20 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 13:20 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 13:20 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 13:20 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 13:20 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 13:20 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 13:20 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 13:20 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:20 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 13:20 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 13:20 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 13:20 | |
| Toluene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |



MKP 10/29/2024

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 09:10 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | EB100424 | **Units:** | ug/L |
| **Lab Code:** | R2409921-015 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 13:20 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 13:20 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 13:20 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 13:20 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 85 - 122 | 10/15/24 13:20 | |
| Dibromofluoromethane | 99 | 80 - 116 | 10/15/24 13:20 | |
| Toluene-d8 | 101 | 87 - 121 | 10/15/24 13:20 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | VOC Trip Blank | **Units:** | ug/L |
| **Lab Code:** | R2409921-016 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2-Trichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1-Dichloroethane (1,1-DCA) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,1-Dichloroethene (1,1-DCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2,3-Trichlorobenzene | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 12:57 | |
| 1,2,4-Trichlorobenzene | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 12:57 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 2.0 U | 2.0 | 0.45 | 1 | 10/15/24 12:57 | UJ |
| 1,2-Dibromoethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichloroethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,2-Dichloropropane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,3-Dichlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,4-Dichlorobenzene | **1.1** | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 1,4-Dioxane | 40 U | 40 | 13 | 1 | 10/15/24 12:57 | |
| 2-Butanone (MEK) | 5.0 U | 5.0 | 0.78 | 1 | 10/15/24 12:57 | |
| 2-Hexanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 12:57 | |
| 4-Methyl-2-pentanone | 5.0 U | 5.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Acetone | 5.0 U | 5.0 | 5.0 | 1 | 10/15/24 12:57 | UJ |
| Benzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromodichloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Bromoform | 1.0 U | 1.0 | 0.25 | 1 | 10/15/24 12:57 | |
| Bromomethane | 1.0 U | 1.0 | 0.70 | 1 | 10/15/24 12:57 | |
| Carbon Disulfide | 1.0 U | 1.0 | 0.42 | 1 | 10/15/24 12:57 | |
| Carbon Tetrachloride | 1.0 U | 1.0 | 0.34 | 1 | 10/15/24 12:57 | |
| Chlorobenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Chloroethane | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |
| Chloroform | 1.0 U | 1.0 | 0.51 | 1 | 10/15/24 12:57 | |
| Chloromethane | 1.0 U | 1.0 | 0.80 | 1 | 10/15/24 12:57 | |
| Cyclohexane | 1.0 U | 1.0 | 0.60 | 1 | 10/15/24 12:57 | |
| Dibromochloromethane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Dichlorodifluoromethane (CFC 12) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 12:57 | |
| Dichloromethane | 1.0 U | 1.0 | 0.65 | 1 | 10/15/24 12:57 | |
| Ethylbenzene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Isopropylbenzene (Cumene) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Methyl Acetate | 2.0 U | 2.0 | 0.87 | 1 | 10/15/24 12:57 | |
| Methyl tert-Butyl Ether | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Methylcyclohexane | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Styrene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Tetrachloroethene (PCE) | 1.0 U | 1.0 | 0.21 | 1 | 10/15/24 12:57 | |
| Toluene | **2.0** | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |



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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Marks Engineering, PC | **Service Request:** | R2409921 |
| **Project:** | DLS/Modock Road Springs | **Date Collected:** | 10/04/24 |
| **Sample Matrix:** | Water | **Date Received:** | 10/04/24 12:40 |
| **Sample Name:** | VOC Trip Blank | **Units:** | ug/L |
| **Lab Code:** | R2409921-016 | **Basis:** | NA |

## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|
| Trichloroethene (TCE) | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| Trichlorofluoromethane (CFC 11) | 1.0 U | 1.0 | 0.24 | 1 | 10/15/24 12:57 | |
| Vinyl Chloride | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| cis-1,2-Dichloroethene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |
| cis-1,3-Dichloropropene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| m,p-Xylenes | 2.0 U | 2.0 | 0.53 | 1 | 10/15/24 12:57 | |
| o-Xylene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| trans-1,2-Dichloroethene | 1.0 U | 1.0 | 0.20 | 1 | 10/15/24 12:57 | |
| trans-1,3-Dichloropropene | 1.0 U | 1.0 | 0.23 | 1 | 10/15/24 12:57 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| 4-Bromofluorobenzene | 100 | 85 - 122 | 10/15/24 12:57 | |
| Dibromofluoromethane | 101 | 80 - 116 | 10/15/24 12:57 | |
| Toluene-d8 | 102 | 87 - 121 | 10/15/24 12:57 | |

# *Appendix B*

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# *Laboratory QC Documentation*

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs
**Sample Matrix:** Water

**Service Request:** R2409921
**Date Analyzed:** 10/17/24

## Lab Control Sample Summary
## Volatile Organic Compounds by GC/MS

**Units:**ug/L
**Basis:**NA

### Lab Control Sample
RQ2413236-02

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 8260D | 32.1 | 20.0 | 161 * | 59-155 |
| Dichloromethane | 8260D | 22.3 | 20.0 | 111 | 73-122 |
| Ethylbenzene | 8260D | 20.7 | 20.0 | 103 | 76-120 |
| Isopropylbenzene (Cumene) | 8260D | 21.9 | 20.0 | 109 | 77-128 |
| Methyl Acetate | 8260D | 14.8 | 20.0 | 74 | 44-93 |
| Methyl tert-Butyl Ether | 8260D | 20.2 | 20.0 | 101 | 75-118 |
| Methylcyclohexane | 8260D | 22.4 | 20.0 | 112 | 51-129 |
| Styrene | 8260D | 20.6 | 20.0 | 103 | 80-124 |
| Tetrachloroethene (PCE) | 8260D | 21.0 | 20.0 | 105 | 72-125 |
| Toluene | 8260D | 21.6 | 20.0 | 108 | 79-119 |
| Trichloroethene (TCE) | 8260D | 21.0 | 20.0 | 105 | 74-122 |
| Trichlorofluoromethane (CFC 11) | 8260D | 22.6 | 20.0 | 113 | 71-136 |
| Vinyl Chloride | 8260D | 22.7 | 20.0 | 114 | 74-159 |
| cis-1,2-Dichloroethene | 8260D | 23.5 | 20.0 | 118 | 80-121 |
| cis-1,3-Dichloropropene | 8260D | 20.2 | 20.0 | 101 | 77-122 |
| m,p-Xylenes | 8260D | 43.0 | 40.0 | 107 | 80-126 |
| o-Xylene | 8260D | 20.3 | 20.0 | 101 | 79-123 |
| trans-1,2-Dichloroethene | 8260D | 20.2 | 20.0 | 101 | 73-118 |
| trans-1,3-Dichloropropene | 8260D | 21.1 | 20.0 | 106 | 71-133 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

**Client:** Marks Engineering, PC **Service Request:** R2409921
**Project:** DLS/Modock Road Springs **Calibration Date:** 10/9/2024

# Initial Calibration Verification Summary
# Volatile Organic Compounds by GC/MS

**Calibration ID:** RC2400192 **Signal ID:** 1
**Instrument ID:** R-MS-17

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 50.0 | 70.4 | 5.057E-1 | 7.125E-1 | 40.90* | ±30 | Average RF |
| Dichloromethane | 50.0 | 54.4 | 5.546E-1 | 5.298E-1 | 8.86 | ±30 | Linear |
| Ethylbenzene | 50.0 | 52.5 | 5.431E-1 | 5.705E-1 | 5.04 | ±30 | Average RF |
| Isopropylbenzene (Cumene) | 50.0 | 55.3 | 1.555E0 | 1.721E0 | 10.65 | ±30 | Average RF |
| Methyl Acetate | 50.0 | 45.3 | 4.945E-1 | 4.484E-1 | -9.323 | ±30 | Average RF |
| Methyl tert-Butyl Ether | 50.0 | 50.7 | 1.606E0 | 1.629E0 | 1.44 | ±30 | Average RF |
| Methylcyclohexane | 50.0 | 49.0 | 4.13E-1 | 4.047E-1 | -2.010 | ±30 | Average RF |
| Styrene | 50.0 | 54.3 | 1.115E0 | 1.211E0 | 8.63 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 51.3 | 2.972E-1 | 3.049E-1 | 2.60 | ±30 | Average RF |
| Toluene | 50.0 | 50.9 | 1.345E0 | 1.37E0 | 1.90 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 51.6 | 3.37E-1 | 3.478E-1 | 3.20 | ±30 | Average RF |
| Trichlorofluoromethane (CFC 11) | 50.0 | 53.3 | 7.587E-1 | 8.091E-1 | 6.63 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 58.8 | 5.503E-1 | 6.475E-1 | 17.67 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 54.0 | 5.753E-1 | 6.216E-1 | 8.05 | ±30 | Average RF |
| cis-1,3-Dichloropropene | 50.0 | 53.5 | 5.053E-1 | 5.409E-1 | 7.05 | ±30 | Average RF |
| m,p-Xylenes | 100 | 107 | 6.656E-1 | 7.103E-1 | 6.71 | ±30 | Average RF |
| o-Xylene | 50.0 | 52.7 | 6.591E-1 | 6.952E-1 | 5.47 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 46.7 | 5.289E-1 | 4.94E-1 | -6.597 | ±30 | Average RF |
| trans-1,3-Dichloropropene | 50.0 | 55.2 | 4.636E-1 | 5.118E-1 | 10.40 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene | 50.0 | 52.0 | 4.346E-1 | 4.518E-1 | 3.94 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 51.0 | 3.339E-1 | 3.405E-1 | 1.99 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 51.1 | 1.248E0 | 1.275E0 | 2.16 | ±30 | Average RF |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

**Client:** Marks Engineering, PC **Service Request:** R2409921
**Project:** DLS/Modock Road Springs **Calibration Date:** 10/9/2024

# Initial Calibration Verification Summary
# Volatile Organic Compounds by GC/MS

**Calibration ID:** RC2400191 **Signal ID:** 1
**Instrument ID:** R-MS-10

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane (CFC 12) | 50.0 | 76.4 | 5.479E-1 | 8.374E-1 | 52.85* | ±30 | Average RF |
| Dichloromethane | 50.0 | 54.4 | 5.757E-1 | 5.637E-1 | 8.88 | ±30 | Quadratic |
| Ethylbenzene | 50.0 | 54.8 | 5.017E-1 | 5.498E-1 | 9.58 | ±30 | Average RF |
| Isopropylbenzene (Cumene) | 50.0 | 58.5 | 1.43E0 | 1.674E0 | 17.04 | ±30 | Average RF |
| Methyl Acetate | 50.0 | 42.6 | 7.312E-1 | 6.231E-1 | -14.785 | ±30 | Average RF |
| Methyl tert-Butyl Ether | 50.0 | 52.6 | 1.83E0 | 1.923E0 | 5.13 | ±30 | Average RF |
| Methylcyclohexane | 50.0 | 54.4 | 4.04E-1 | 4.396E-1 | 8.83 | ±30 | Average RF |
| Styrene | 50.0 | 54.9 | 1.078E0 | 1.184E0 | 9.83 | ±30 | Average RF |
| Tetrachloroethene (PCE) | 50.0 | 55.6 | 2.179E-1 | 2.421E-1 | 11.10 | ±30 | Average RF |
| Toluene | 50.0 | 54.2 | 1.288E0 | 1.396E0 | 8.33 | ±30 | Average RF |
| Trichloroethene (TCE) | 50.0 | 55.6 | 2.64E-1 | 2.937E-1 | 11.25 | ±30 | Average RF |
| Trichlorofluoromethane (CFC 11) | 50.0 | 57.7 | 7.114E-1 | 8.207E-1 | 15.36 | ±30 | Average RF |
| Vinyl Chloride | 50.0 | 59.3 | 7.177E-1 | 8.518E-1 | 18.70 | ±30 | Average RF |
| cis-1,2-Dichloroethene | 50.0 | 57.5 | 5.279E-1 | 6.072E-1 | 15.03 | ±30 | Average RF |
| cis-1,3-Dichloropropene | 50.0 | 55.9 | 5.351E-1 | 5.987E-1 | 11.90 | ±30 | Average RF |
| m,p-Xylenes | 100 | 112 | 6.167E-1 | 6.894E-1 | 11.80 | ±30 | Average RF |
| o-Xylene | 50.0 | 55.0 | 6.093E-1 | 6.702E-1 | 9.99 | ±30 | Average RF |
| trans-1,2-Dichloroethene | 50.0 | 49.9 | 4.623E-1 | 4.611E-1 | -0.267 | ±30 | Average RF |
| trans-1,3-Dichloropropene | 50.0 | 58.2 | 4.93E-1 | 5.741E-1 | 16.46 | ±30 | Average RF |

| Analyte Name | Expected | Result | Average RF | SSV RF | % D | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene | 50.0 | 52.8 | 4.841E-1 | 5.111E-1 | 5.58 | ±30 | Average RF |
| Dibromofluoromethane | 50.0 | 52.4 | 2.908E-1 | 3.045E-1 | 4.71 | ±30 | Average RF |
| Toluene-d8 | 50.0 | 52.9 | 1.239E0 | 1.311E0 | 5.85 | ±30 | Average RF |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs

**Service Request:** R2409921
**Date Analyzed:** 10/15/24 09:58

## Continuing Calibration Verification (CCV) Summary
## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**File ID:** I:\ACQUDATA\MSVOA17\Data\101524\K6927.D\
**Signal ID:** 1

**Calibration Date:** 10/9/2024
**Calibration ID:** RC2400192
**Analysis Lot:** 857464
**Units:** ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|---|
| **1,1,1-Trichloroethane (TCA)** | 50.0 | 51.3 | 0.83 | 0.851 | 2.5 | NA | ±20 | Average RF |
| **1,1,2,2-Tetrachloroethane** | 50.0 | 45.6 | 1.0653 | 0.9714 | -8.8 | NA | ±20 | Average RF |
| **1,1,2-Trichloroethane** | 50.0 | 50.3 | 0.3095 | 0.3116 | 0.7 | NA | ±20 | Average RF |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | 50.0 | 50.6 | 0.4628 | 0.4685 | 1.2 | NA | ±20 | Average RF |
| **1,1-Dichloroethane (1,1-DCA)** | 50.0 | 51.4 | 0.913 | 0.9392 | 2.9 | NA | ±20 | Average RF |
| **1,1-Dichloroethene (1,1-DCE)** | 50.0 | 53.4 | 0.482 | 0.4554 | NA | 6.7 | ±20 | Quadratic |
| **1,2,3-Trichlorobenzene** | 50.0 | 51.8 | 0.9104 | 0.9436 | 3.6 | NA | ±20 | Average RF |
| **1,2,4-Trichlorobenzene** | 50.0 | 51.3 | 0.9585 | 0.9837 | 2.6 | NA | ±20 | Average RF |
| **1,2-Dibromo-3-chloropropane (DBCP)** | 50.0 | 45.7 | 0.2346 | 0.2142 | -8.7 | NA | ±20 | Average RF |
| **1,2-Dibromoethane** | 50.0 | 48.5 | 0.3911 | 0.3796 | -2.9 | NA | ±20 | Average RF |
| **1,2-Dichlorobenzene** | 50.0 | 49.9 | 1.5097 | 1.5057 | -0.3 | NA | ±20 | Average RF |
| **1,2-Dichloroethane** | 50.0 | 51.3 | 0.4792 | 0.4918 | 2.6 | NA | ±20 | Average RF |
| **1,2-Dichloropropane** | 50.0 | 49.6 | 0.3271 | 0.3245 | -0.8 | NA | ±20 | Average RF |
| **1,3-Dichlorobenzene** | 50.0 | 50.3 | 1.5499 | 1.5577 | 0.5 | NA | ±20 | Average RF |
| **1,4-Dichlorobenzene** | 50.0 | 50.8 | 1.5868 | 1.6113 | 1.5 | NA | ±20 | Average RF |
| **1,4-Dioxane** | 1000 | 969 | 0.0054 | 0.0052 | -3.1 | NA | ±20 | Average RF |
| **2-Butanone (MEK)** | 50.0 | 43.5 | 0.3324 | 0.2889 | -13.1 | NA | ±20 | Average RF |
| **2-Hexanone** | 50.0 | 43.7 | 0.3389 | 0.2962 | -12.6 | NA | ±20 | Average RF |
| **4-Methyl-2-pentanone** | 50.0 | 47.3 | 0.3855 | 0.3645 | -5.4 | NA | ±20 | Average RF |
| **Acetone** | 50.0 | 38.8 | 0.2619 | 0.203 | -22.5* | NA | ±20 | Average RF |
| **Benzene** | 50.0 | 49.8 | 1.204 | 1.199 | -0.4 | NA | ±20 | Average RF |
| **Bromochloromethane** | 50.0 | 52.1 | 0.38 | 0.3956 | 4.1 | NA | ±20 | Average RF |
| **Bromodichloromethane** | 50.0 | 50.0 | 0.4208 | 0.4208 | 0.0 | NA | ±20 | Average RF |
| **Bromoform** | 50.0 | 48.9 | 0.2493 | 0.2438 | -2.2 | NA | ±20 | Average RF |
| **Bromomethane** | 50.0 | 68.1 | 0.3253 | 0.3984 | NA | 36.2* | ±20 | Quadratic |
| **Carbon Disulfide** | 50.0 | 45.8 | 1.4184 | 1.2999 | -8.4 | NA | ±20 | Average RF |
| **Carbon Tetrachloride** | 50.0 | 50.8 | 0.4241 | 0.4309 | 1.6 | NA | ±20 | Average RF |
| **Chlorobenzene** | 50.0 | 48.0 | 1.053 | 1.0106 | -4.0 | NA | ±20 | Average RF |
| **Chloroethane** | 50.0 | 56.9 | 0.3272 | 0.372 | 13.7 | NA | ±20 | Average RF |
| **Chloroform** | 50.0 | 51.8 | 0.9113 | 0.9446 | 3.7 | NA | ±20 | Average RF |
| **Chloromethane** | 50.0 | 47.5 | 0.5964 | 0.5662 | -5.1 | NA | ±20 | Average RF |
| **Cyclohexane** | 50.0 | 50.3 | 0.2722 | 0.2741 | 0.7 | NA | ±20 | Average RF |
| **Dibromochloromethane** | 50.0 | 49.2 | 0.4193 | 0.4121 | -1.7 | NA | ±20 | Average RF |
| **Dichlorodifluoromethane (CFC 12)** | 50.0 | 56.7 | 0.5057 | 0.5731 | 13.3 | NA | ±20 | Average RF |
| **Dichloromethane** | 50.0 | 52.4 | 0.5546 | 0.5102 | NA | 4.8 | ±20 | Linear |
| **Ethylbenzene** | 50.0 | 49.6 | 0.5431 | 0.5386 | -0.8 | NA | ±20 | Average RF |
| **Isopropylbenzene (Cumene)** | 50.0 | 51.6 | 1.5554 | 1.6039 | 3.1 | NA | ±20 | Average RF |
| **Methyl Acetate** | 50.0 | 45.5 | 0.4945 | 0.4503 | -8.9 | NA | ±20 | Average RF |
| **Methyl tert-Butyl Ether** | 50.0 | 49.1 | 1.6063 | 1.5779 | -1.8 | NA | ±20 | Average RF |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs

**Service Request:** R2409921
**Date Analyzed:** 10/17/24 14:41

## Continuing Calibration Verification (CCV) Summary
## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**File ID:** I:\ACQUDATA\msvoa10\data\101724\D7788.D\
**Signal ID:** 1

**Calibration Date:** 10/9/2024
**Calibration ID:** RC2400191
**Analysis Lot:** 857876
**Units:** ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|---|
| **1,1,1-Trichloroethane (TCA)** | 50.0 | 49.0 | 0.7217 | 0.7079 | -1.9 | NA | ±20 | Average RF |
| **1,1,2,2-Tetrachloroethane** | 50.0 | 45.9 | 1.0654 | 0.9784 | -8.2 | NA | ±20 | Average RF |
| **1,1,2-Trichloroethane** | 50.0 | 48.5 | 0.2942 | 0.2855 | -3.0 | NA | ±20 | Average RF |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | 50.0 | 53.1 | 0.407 | 0.4319 | 6.1 | NA | ±20 | Average RF |
| **1,1-Dichloroethane (1,1-DCA)** | 50.0 | 50.4 | 0.9811 | 0.9883 | 0.7 | NA | ±20 | Average RF |
| **1,1-Dichloroethene (1,1-DCE)** | 50.0 | 49.3 | 0.4346 | 0.4286 | -1.4 | NA | ±20 | Average RF |
| **1,2,3-Trichlorobenzene** | 50.0 | 47.4 | 0.8638 | 0.8194 | -5.1 | NA | ±20 | Average RF |
| **1,2,4-Trichlorobenzene** | 50.0 | 49.1 | 0.8472 | 0.8326 | -1.7 | NA | ±20 | Average RF |
| **1,2-Dibromo-3-chloropropane (DBCP)** | 50.0 | 38.0 | 0.2362 | 0.1796 | -24.0* | NA | ±20 | Average RF |
| **1,2-Dibromoethane** | 50.0 | 47.3 | 0.3619 | 0.3422 | -5.5 | NA | ±20 | Average RF |
| **1,2-Dichlorobenzene** | 50.0 | 47.7 | 1.3207 | 1.2596 | -4.6 | NA | ±20 | Average RF |
| **1,2-Dichloroethane** | 50.0 | 52.0 | 0.4642 | 0.4826 | 4.0 | NA | ±20 | Average RF |
| **1,2-Dichloropropane** | 50.0 | 48.7 | 0.3481 | 0.3391 | -2.6 | NA | ±20 | Average RF |
| **1,3-Dichlorobenzene** | 50.0 | 46.3 | 1.3128 | 1.2169 | -7.3 | NA | ±20 | Average RF |
| **1,4-Dichlorobenzene** | 50.0 | 46.5 | 1.3754 | 1.2787 | -7.0 | NA | ±20 | Average RF |
| **1,4-Dioxane** | 1000 | 855 | 0.007 | 0.006 | -14.5 | NA | ±20 | Average RF |
| **2-Butanone (MEK)** | 50.0 | 43.0 | 0.4754 | 0.4084 | -14.1 | NA | ±20 | Average RF |
| **2-Hexanone** | 50.0 | 42.3 | 0.4749 | 0.4016 | -15.4 | NA | ±20 | Average RF |
| **4-Methyl-2-pentanone** | 50.0 | 46.1 | 0.5208 | 0.4801 | -7.8 | NA | ±20 | Average RF |
| **Acetone** | 50.0 | 35.1 | 0.3772 | 0.265 | -29.7* | NA | ±20 | Average RF |
| **Benzene** | 50.0 | 49.0 | 1.2165 | 1.1926 | -2.0 | NA | ±20 | Average RF |
| **Bromochloromethane** | 50.0 | 50.1 | 0.314 | 0.3149 | 0.3 | NA | ±20 | Average RF |
| **Bromodichloromethane** | 50.0 | 46.6 | 0.415 | 0.3868 | -6.8 | NA | ±20 | Average RF |
| **Bromoform** | 50.0 | 42.9 | 0.2188 | 0.1878 | -14.2 | NA | ±20 | Average RF |
| **Bromomethane** | 50.0 | 50.2 | 0.4294 | 0.3876 | NA | 0.4 | ±20 | Quadratic |
| **Carbon Disulfide** | 50.0 | 58.5 | 1.4625 | 1.7122 | 17.1 | NA | ±20 | Average RF |
| **Carbon Tetrachloride** | 50.0 | 47.0 | 0.3405 | 0.3204 | -5.9 | NA | ±20 | Average RF |
| **Chlorobenzene** | 50.0 | 47.2 | 0.9414 | 0.8887 | -5.6 | NA | ±20 | Average RF |
| **Chloroethane** | 50.0 | 44.0 | 0.6774 | 0.4372 | NA | -12.0 | ±20 | Quadratic |
| **Chloroform** | 50.0 | 50.0 | 0.8996 | 0.899 | -0.1 | NA | ±20 | Average RF |
| **Chloromethane** | 50.0 | 45.3 | 0.8425 | 0.7636 | -9.4 | NA | ±20 | Average RF |
| **Cyclohexane** | 50.0 | 54.7 | 0.3014 | 0.33 | 9.5 | NA | ±20 | Average RF |
| **Dibromochloromethane** | 50.0 | 46.5 | 0.3406 | 0.3166 | -7.1 | NA | ±20 | Average RF |
| **Dichlorodifluoromethane (CFC 12)** | 50.0 | 56.9 | 0.5479 | 0.6232 | 13.7 | NA | ±20 | Average RF |
| **Dichloromethane** | 50.0 | 51.4 | 0.5757 | 0.5322 | NA | 2.9 | ±20 | Quadratic |
| **Ethylbenzene** | 50.0 | 47.0 | 0.5017 | 0.4713 | -6.1 | NA | ±20 | Average RF |
| **Isopropylbenzene (Cumene)** | 50.0 | 48.4 | 1.4301 | 1.3851 | -3.1 | NA | ±20 | Average RF |
| **Methyl Acetate** | 50.0 | 42.2 | 0.7312 | 0.617 | -15.6 | NA | ±20 | Average RF |
| **Methyl tert-Butyl Ether** | 50.0 | 50.4 | 1.8296 | 1.8435 | 0.8 | NA | ±20 | Average RF |

**Client:** Marks Engineering, PC
**Project:** DLS/Modock Road Springs

**Service Request:** R2409921
**Date Analyzed:** 10/18/24 21:39

## Continuing Calibration Verification (CCV) Summary
## Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260D
**File ID:** I:\ACQUDATA\msvoa10\data\101824\D7852.D\
**Signal ID:** 1

**Calibration Date:** 10/9/2024
**Calibration ID:** RC2400191
**Analysis Lot:** 858027
**Units:** ug/L

| Analyte Name | Expected | Result | Average RF | CCV RF | % D | % Drift | Criteria | Curve Fit |
|---|---|---|---|---|---|---|---|---|
| **1,1,1-Trichloroethane (TCA)** | 50.0 | 50.7 | 0.7217 | 0.7314 | 1.4 | NA | ±20 | Average RF |
| **1,1,2,2-Tetrachloroethane** | 50.0 | 46.6 | 1.0654 | 0.9928 | -6.8 | NA | ±20 | Average RF |
| **1,1,2-Trichloroethane** | 50.0 | 47.7 | 0.2942 | 0.2808 | -4.6 | NA | ±20 | Average RF |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | 50.0 | 53.8 | 0.407 | 0.4377 | 7.5 | NA | ±20 | Average RF |
| **1,1-Dichloroethane (1,1-DCA)** | 50.0 | 51.3 | 0.9811 | 1.0068 | 2.6 | NA | ±20 | Average RF |
| **1,1-Dichloroethene (1,1-DCE)** | 50.0 | 50.4 | 0.4346 | 0.4385 | 0.9 | NA | ±20 | Average RF |
| **1,2,3-Trichlorobenzene** | 50.0 | 46.0 | 0.8638 | 0.7953 | -7.9 | NA | ±20 | Average RF |
| **1,2,4-Trichlorobenzene** | 50.0 | 47.3 | 0.8472 | 0.8021 | -5.3 | NA | ±20 | Average RF |
| **1,2-Dibromo-3-chloropropane (DBCP)** | 50.0 | 38.1 | 0.2362 | 0.1802 | -23.7* | NA | ±20 | Average RF |
| **1,2-Dibromoethane** | 50.0 | 46.5 | 0.3619 | 0.3365 | -7.0 | NA | ±20 | Average RF |
| **1,2-Dichlorobenzene** | 50.0 | 47.4 | 1.3207 | 1.2517 | -5.2 | NA | ±20 | Average RF |
| **1,2-Dichloroethane** | 50.0 | 50.9 | 0.4642 | 0.473 | 1.9 | NA | ±20 | Average RF |
| **1,2-Dichloropropane** | 50.0 | 49.4 | 0.3481 | 0.3441 | -1.2 | NA | ±20 | Average RF |
| **1,3-Dichlorobenzene** | 50.0 | 47.5 | 1.3128 | 1.2483 | -4.9 | NA | ±20 | Average RF |
| **1,4-Dichlorobenzene** | 50.0 | 46.5 | 1.3754 | 1.2803 | -6.9 | NA | ±20 | Average RF |
| **1,4-Dioxane** | 1000 | 871 | 0.007 | 0.0061 | -12.9 | NA | ±20 | Average RF |
| **2-Butanone (MEK)** | 50.0 | 43.3 | 0.4754 | 0.4115 | -13.4 | NA | ±20 | Average RF |
| **2-Hexanone** | 50.0 | 42.6 | 0.4749 | 0.4042 | -14.9 | NA | ±20 | Average RF |
| **4-Methyl-2-pentanone** | 50.0 | 45.0 | 0.5208 | 0.4683 | -10.1 | NA | ±20 | Average RF |
| **Acetone** | 50.0 | 39.4 | 0.3772 | 0.2969 | -21.3* | NA | ±20 | Average RF |
| **Benzene** | 50.0 | 51.9 | 1.2165 | 1.2632 | 3.8 | NA | ±20 | Average RF |
| **Bromochloromethane** | 50.0 | 48.8 | 0.314 | 0.3064 | -2.4 | NA | ±20 | Average RF |
| **Bromodichloromethane** | 50.0 | 46.8 | 0.415 | 0.3883 | -6.5 | NA | ±20 | Average RF |
| **Bromoform** | 50.0 | 43.0 | 0.2188 | 0.1882 | -14.0 | NA | ±20 | Average RF |
| **Bromomethane** | 50.0 | 50.7 | 0.4294 | 0.3914 | NA | 1.3 | ±20 | Quadratic |
| **Carbon Disulfide** | 50.0 | 48.7 | 1.4625 | 1.4241 | -2.6 | NA | ±20 | Average RF |
| **Carbon Tetrachloride** | 50.0 | 49.1 | 0.3405 | 0.3342 | -1.9 | NA | ±20 | Average RF |
| **Chlorobenzene** | 50.0 | 48.8 | 0.9414 | 0.9185 | -2.4 | NA | ±20 | Average RF |
| **Chloroethane** | 50.0 | 45.2 | 0.6774 | 0.4487 | NA | -9.5 | ±20 | Quadratic |
| **Chloroform** | 50.0 | 50.8 | 0.8996 | 0.9139 | 1.6 | NA | ±20 | Average RF |
| **Chloromethane** | 50.0 | 47.4 | 0.8425 | 0.7987 | -5.2 | NA | ±20 | Average RF |
| **Cyclohexane** | 50.0 | 47.8 | 0.3014 | 0.2883 | -4.3 | NA | ±20 | Average RF |
| **Dibromochloromethane** | 50.0 | 46.4 | 0.3406 | 0.3161 | -7.2 | NA | ±20 | Average RF |
| **Dichlorodifluoromethane (CFC 12)** | 50.0 | 60.4 | 0.5479 | 0.6617 | 20.8* | NA | ±20 | Average RF |
| **Dichloromethane** | 50.0 | 51.0 | 0.5757 | 0.5275 | NA | 2.0 | ±20 | Quadratic |
| **Ethylbenzene** | 50.0 | 50.7 | 0.5017 | 0.5091 | 1.5 | NA | ±20 | Average RF |
| **Isopropylbenzene (Cumene)** | 50.0 | 51.3 | 1.4301 | 1.4663 | 2.5 | NA | ±20 | Average RF |
| **Methyl Acetate** | 50.0 | 41.7 | 0.7312 | 0.6095 | -16.6 | NA | ±20 | Average RF |
| **Methyl tert-Butyl Ether** | 50.0 | 50.0 | 1.8296 | 1.8287 | 0.0 | NA | ±20 | Average RF |

# *Appendix C*

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# *Validator Qualifications*

# KENNETH R. APPLIN
## Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

# MICHAEL K. PERRY
## Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

# Exhibit D
# Electronic Data Deliverable
# (EDD)
# (Provided Electronically)

## jwolf@marksengineering.com

**From:** Noll, Rebecca <rnoll@LaBellaPC.com>
**Sent:** Monday, December 2, 2024 12:15 PM
**To:** NYENVEDD@dec.ny.gov; Gregory, Charles T (DEC)
**Cc:** jwolf@marksengineering.com
**Subject:** New GW EDD set for Modock Springs-DLS Sand and Gravel, Inc., Site 835013
**Attachments:** 20241202 1210.835013.NYSDEC_v5_MERGE.zip

Attached please find a new EDD set for Modock Springs-DLS Sand and Gravel, Inc., Site 835013.

**Rebecca Noll**
LaBella Associates | GIS & Environmental Specialist

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Rochester, NY 14614
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