

**DES Waste Management Division  
29 Hazen Drive; PO Box 95  
Concord, NH 03302-0095**

**May 2022 Groundwater Data Submittal  
DMS FUELS, LLC (FORMER GARY'S FUELS)  
2830 Dartmouth College Highway  
North Haverhill, NH 03774**

**NHDES Site #: 199209012  
MOST Project Number: 15770  
LUST Project Number: 3896**

Prepared For:  
DMS Fuels, LLC.  
2830 Dartmouth College Highway  
North Haverhill, NH 03774  
Phone Number (603) 787-9941  
RP Contact Name: Glen Meder  
RP Contact Email: [glenmeder@gmail.com](mailto:glenmeder@gmail.com)

Prepared By:  
Horizons Engineering, Inc.  
34 School Street  
Littleton, NH 03561  
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Contact Name: Valerie J. Carr  
Contact Email: [vcarr@horizonsengineering.com](mailto:vcarr@horizonsengineering.com)

Date of Report: September 30, 2022

# Groundwater Monitoring Report Cover Sheet

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Site Name: **DMS Fuels, LLC (Former Gary's Fuels)**

Town: North Haverhill, NH

Permit #: 199209012-H-001

## Type of Submittal (*Check all that apply*)

- Periodic Summary Report (year):  
 Data Submittal (*month and year per Condition #7 of Permit*): May 2022

Check each box where the answer to any of the following questions is "YES"

## Sampling Results

- During the most recent monitoring event, were any new compounds detected at any sampling point?  
Well/Compound: MW-16-32 (xylanes, 1,2,4-TMB, 1,3,5-TMB)
- Are there any detections of contamination in drinking water that is untreated prior to use?  
Well/Compound:  
 Do compounds detected exceed AGQS?
- Was free product detected for the first time in any monitoring point?  
 Surface Water (*visible sheen*)  
 Groundwater (*1/8" or greater thickness*)  
Location/Thickness:

## Contaminant Trends

- Do sampling results show an increasing concentration trend in any source area monitoring well?  
Well/Compound:
- Do sampling results indicate an AGQS violation in any of the GMZ boundary wells?  
Well/Compound: Multiple – See GW Tables appended to Data Submittal

## Recommendations

- Does the report include any recommendations requiring DES action? (*Do not check this box if the only recommendation is to continue with existing permit conditions.*)

This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.



34 SCHOOL STREET • LITTLETON, NH 03561 • PHONE 603-444-4111 • FAX 603-444-1343 • [www.horizonsengineering.com](http://www.horizonsengineering.com)

Project No. 220063

September 30, 2022

Renée S. Strondak, P.G.  
NHDES – Waste Management Division  
Oil Remediation and Compliance Bureau  
29 Hazen Drive, Post Office Box 95  
Concord, New Hampshire 03302-0095

**Subject:** May 2022 Sampling – North Haverhill Convenience (Former Gary’s Fuels)  
2830 Dartmouth College Highway, North Haverhill, New Hampshire NHDES  
Site#199209012, LUST Project #3896 / MOST Project #15770 / HAZWASTE  
Project #38737

Dear Ms. Strondak:

Horizons Engineering Inc. (HEI) has completed the May 2022 groundwater sampling at the Former Gary’s Fuel property located at 2830 Dartmouth College Highway in North Haverhill, New Hampshire (the “Site”). This work has been completed for the responsible party of the Site, Mr. Glen Meder or DMS Fuels, LLC, of Woodsville, New Hampshire. The groundwater sampling event was performed in general accordance with Conditions #1 and #2 of Groundwater Management Permit 199209012-H-001, issued on May 2, 2017, and the approved Work Scope Authorization (WSA) dated May 9, 2022.

All activities have been conducted in accordance with the requirements outlined in the New Hampshire Code of Administrative Rules, Sections Env-Or 610.01 through Env-Or 610.04, the *NHDES Field Sampling Procedures Guidance*, and the requirements outlined in the associated GMP.

### **Groundwater Sampling Summary**

The sampling event was completed on May 25, 2022. Groundwater samples were attempted to be collected from the MOST affiliated monitoring wells MW-3, MW-8, MW-13, MW-14, MW-15, MW-16, MW-16-28, MW-20, MW-23, MW-24, and MW-16-31, and the LUST affiliated monitoring wells RW-1, RW-2, MW-1, MW-6, MW-7, MW-9, MW-10, MW-12, MW-16-29, MW-16-34, MW-11-26, MW-16-30, and MW-16-32. Monitoring wells MW-6, MW-9, MW-10, MW-12, and RW-2 (all LUST affiliated) were not sampled because the wells were found to contain light non-aqueous phase liquid (LNAPL).

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During the sampling event, field measurements of static water levels were recorded at each sampling GMP sampling point prior to the collection of groundwater samples. An interface probe was used to measure LNAPL thickness in the wells with a history of free product. Approximately three well volumes of water were purged from each of the GMP monitoring wells prior to collection of the groundwater samples using dedicated PVC bailers. Samples were placed in laboratory prepared containers, placed on ice, and transported to Eastern Analytical, Inc. under chain of custody documentation for analysis of Volatile Organic Compounds (VOCs) by EPA Method 8260C.

**May 2022 Groundwater Sampling Results - MOST Affiliated Sampling Points  
(MW-3, MW-8, MW-13, MW-14, MW-15, MW-16, MW-20, MW-23, MW-24, MW-16-28,  
and MW-16-31)**

During the May 2022 sampling event, concentrations of VOCs exceeding the NHDES Ambient Groundwater Quality Standards (AGQS) were reported for the groundwater samples collected from MOST monitoring wells MW-3, MW-8, MW-13, MW-14, MW-15, MW-16, MW-20, MW-23, and MW-16-28.

Target analytes exceeding corresponding AGQS values are:

- Benzene
  - Benzene was reported at MW-13 (11 µg/L), and MW-16-28 (32 µg/L); exceeding the AGQS of 5 µg/L.
- Tetrachloroethene (PCE)
  - Tetrachloroethene was reported at MW-3 (43 µg/L), MW-8 (11 µg/L), MW-14 (26 µg/L), MW-15 (51 µg/L), MW-16 (15 µg/L), MW-23 (14 µg/L), and MW-16-28 (11 µg/L); exceeding the AGQS of 5 µg/L.
- Trichloroethene (TCE)
  - Trichloroethene was reported at MW-3 (15 µg/L), MW-14 (10 µg/L), MW-15 (12 µg/L), MW-23 (5.2 µg/L), and MW-16-28 (5.6 µg/L); exceeding the AGQS of 5 µg/L.

Trichloroethene (TCE) was also reported at levels below AGQS at MW-8, and MW-16. Cis-1,2-Dichloroethene was reported at below AGQS at MW-3, MW-8, MW-14, MW-15, MW-23 and MW-16-28. Tetrachloroethene (PCE) was also reported at levels below AGQS at MW-13 and MW-24. Toluene, ethylbenzene, xylenes, 1,2,4-trimethylbenzene, bromodichloromethane, and naphthalene were also reported in one or more of the MOST wells at levels below AGQS.

**May 2022 Groundwater Sampling Results - LUST Affiliated Sampling Points  
(MW-1, MW-6, MW-7, MW-9, MW-10, MW-12, MW-11-26, MW-16-29, MW-16-30, MW-16-32, MW-16-34, RW-1, and RW-2)**

During the May 2022 sampling event, concentrations of VOCs exceeding the NHDES Ambient Groundwater Quality Standards (AGQS) were reported for the groundwater samples collected from LUST monitoring wells MW-7, MW-16-29, and MW-16-34.

- Benzene
  - Benzene was reported at MW-7 (55 µg/L), and MW-16-29 (24 µg/L; exceeding the AGQS of 5 µg/L).
- Toluene
  - Toluene was reported at MW-16-34 at a concentration of 1,700 µg/L; exceeding the AGQS of 1,000 µg/L.

Acetone, toluene, ethylbenzene, xylenes, isopropylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-propylbenzene, n-butylbenzene bromodichloromethane, and naphthalene, were also reported below AGQS standards in one or more of the LUST wells.

**LNAPL**

Light non-aqueous phase liquid (LNAPL) was detected and observed in monitoring wells MW-6 (0.18'), MW-9 (0.15'), MW-10 (0.58'), MW-12 (3.20'), and RW-2 (2.15'). LNAPL has been observed at these locations during several past monitoring events. The presence of LNAPL at the locations will continue to contribute to the off-site migration of the dissolved phase petroleum VOC plume.

**Conceptual Hydrogeologic Model**

Groundwater has consistently been documented to generally flow west towards the Connecticut River, which is located approximately 1,300 feet west of the Site. Although a clear westerly flow has been noted for the Site, some groundwater flow may also be towards Clark Brook, which is located approximately 600 feet to the east, and may be occurring at certain times of the year based on elevations and contaminant concentrations observed in the past. Depth to groundwater, within the monitoring well network, has ranged from approximately 20 to 55 feet below grade, with increasing depths towards the Connecticut River.

The source of subsurface petroleum impact at and in the vicinity of the Site is attributed to the release of gasoline from a former UST at the Site, which was first reported to the NHDES in 1992. The source of chlorinated VOCs in the subsurface is from the former waste oil tank near the garage and/or the leach field.

Based on the groundwater analytical data collected from the monitoring well network over time, it appears the core of the petroleum impacts beneath the Site are predominantly located near the western portion of the Subject Site. The dissolved phase petroleum VOC plume has been documented to have migrated at least 510 feet to the west (MW16-28), and most likely extends beyond the monitoring well network. The core of the chlorinated VOC plume is predominantly near MW-3 and MW-8, and also appears to have impacts west of the well network. Both petroleum and chlorinated plumes appear to be well defined, by the existing well network to the north and south.

During past subsurface investigations, field screening of soils indicated the potential of a “diving” plume. MW16-28, MW16-29, and MW16-34 were installed as couplet monitoring wells to MW-23, MW-22, and RW-2, respectively. The well screen depths of these couplet wells are deeper than those in the corresponding wells. The purpose of these wells was to determine if the petroleum or chlorinated VOC plume was diving. Based on the data collected to date (e.g., benzene and naphthalene), it appears that the petroleum VOC plume is diving as it migrates farther away from the Site. Additional data is required to establish a clear trend.

### **Discussion/Conclusions**

Based on groundwater elevation contours constructed from water level measurements collected during the May 2022 groundwater sampling event, the groundwater flow direction at the Site is inferred to be generally to the west at an average gradient of 0.032 feet/foot. Groundwater elevation contours are shown on the **Site Plans** attached to this report. Groundwater elevation data and historical analytical results are summarized on the **Groundwater Quality Tables**.

Consistent with historical results, contaminants of concern continue to be reported at greater than applicable NHDES Ambient Groundwater Quality Standards (AGQSs) and light non-aqueous phase liquid (LNAPL) continues to be measured in multiple monitoring wells. Current and historical data indicates dissolved phase VOCs and SVOCs continue to fluctuate over time, but generally remain steady. Graphical summaries of groundwater quality data showing trends in contaminant concentrations are attached for reference.

A review of available data suggests that there is a potential that the

#### **Dissolved Phase Petroleum VOC Plume**

In general, total petroleum VOC concentrations have remained steady since the previous sampling rounds. An overall decreasing trend is evident at MW-1, MW16-29, and MW16-34, which are located farther away from the source area/LNAPL. LNAPL was again observed at MW-9, which is located close to the source area. The presence of LNAPL at MW-6, MW-10, MW-12, and RW-2 will continue to contribute to the off-site migration of the dissolved phase petroleum VOC plume.

Dissolved Phase Chlorinated VOC Plume

In general, total chlorinated VOC concentrations remain consistent with previous results. An overall decreasing trend is evident at locations MW-8 and MW-20 which are located down-gradient from the source area (e.g., former waste oil UST and leach field). Concentrations remain fairly stable at the reaming locations (e.g., MW-3, MW-8, and MW-16) closer to the source area.

**Recommendations**

With regard to the NHDES request for additional PFAs sampling, the RP has declined to complete that sampling at this time as it is not covered by the Oil Fund and the initial screening was not completed with his or the former RP's permission. To date, there has been no established source of the PFAs and no link between the onsite contaminants of concern and PFAs have been established. On behalf of the RP, HEI continues to request that additional PFAs sampling be tabled at this time.

Based on the results of the most current and previous groundwater sampling, Horizons recommends the following:

- The GMP expired in mid-May and HEI is working to complete a GMP renewal application.
- Monitoring for the Site should continue in accordance with the GMP. The next sampling event will be performed in November 2022 and will include gauging and sampling 10 GMP monitoring wells to include MW-1, MW-6, MW-7, MW-9, MW-10, MW-12, MW16-29, MW-16-34, RW-1 & RW-2 for VOCs.

Attached to this letter report are updated **LUST and MOST Groundwater Site Plans** with groundwater contours created from the May 2022 sampling event, updated **Groundwater Quality Tables**, and the **Laboratory Analytical Report** for the current sampling event.

Please do not hesitate to contact the undersigned at (603) 444-4111 if you have any questions or require additional information.

Sincerely,  
Horizons Engineering, Inc.



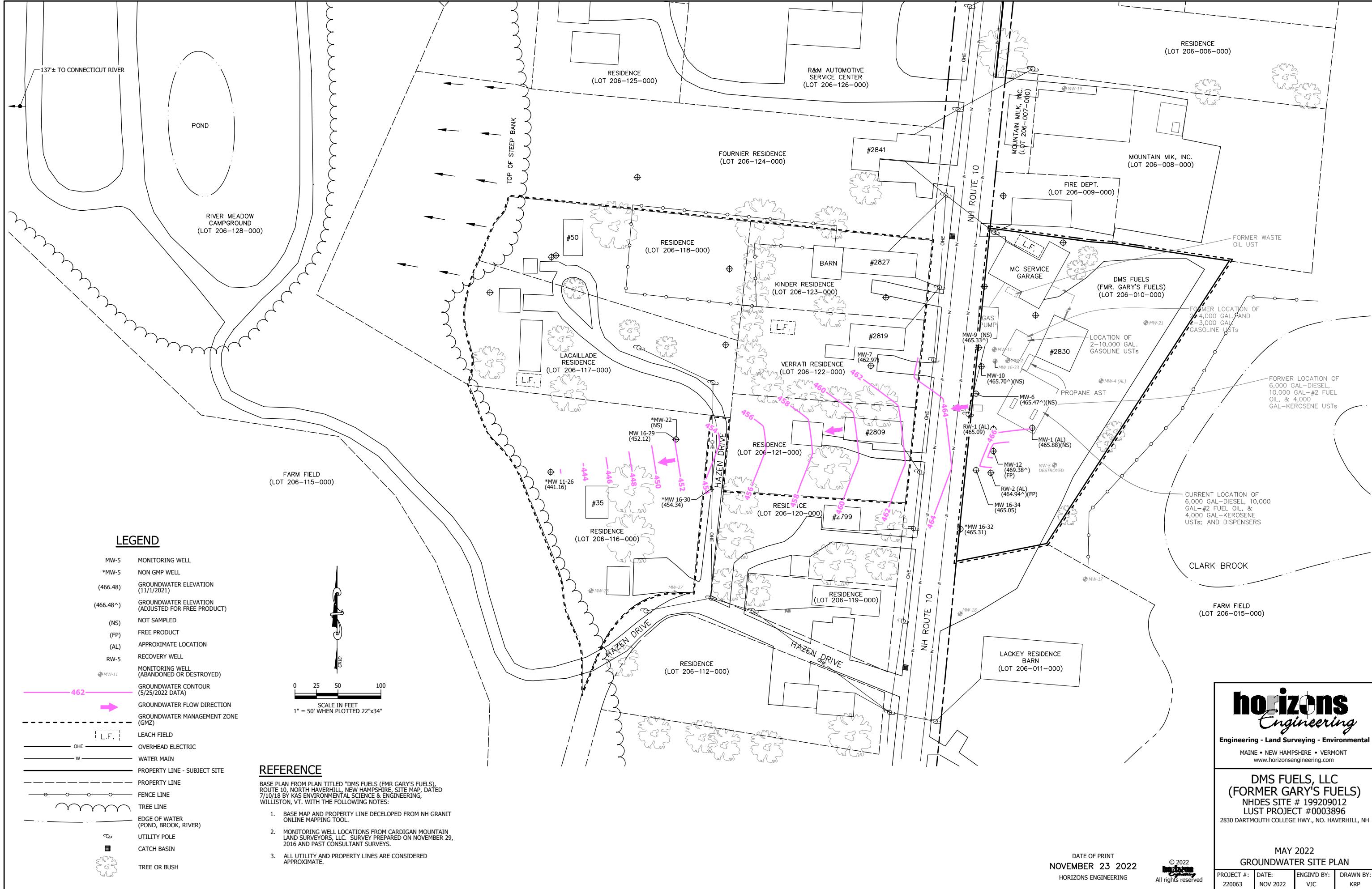
Valerie J. Carr  
*Environmental Project Manager*

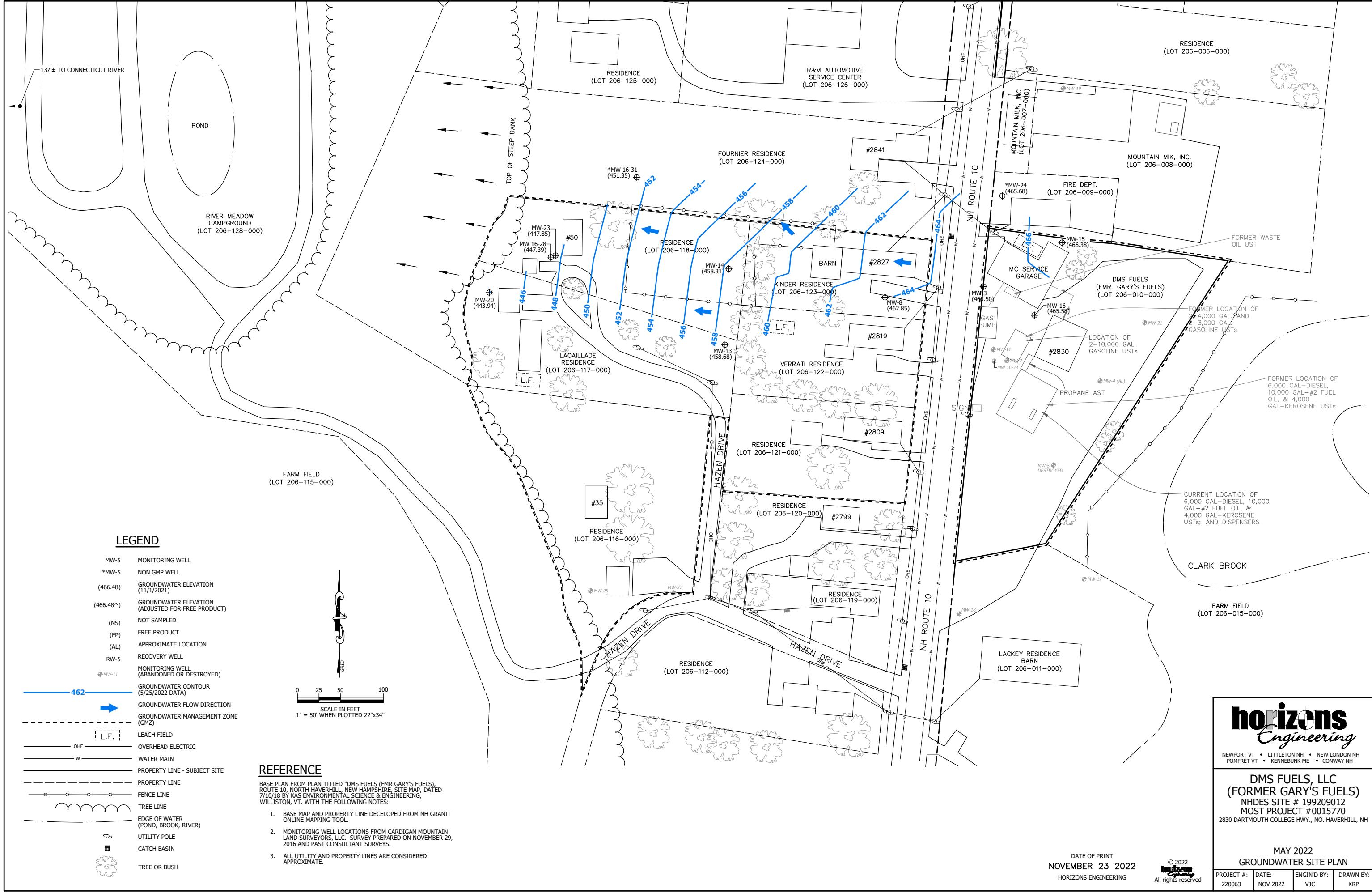
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## **ATTACHMENTS**

## **Site Plans**





## **Groundwater Quality Tables**

**Groundwater Analytical Results  
MS FUels, LLC (Former Gary's Fuels)  
NHDES #199209012**

Notes:

AGQS.

<sup>(1)</sup> ACOS changed from 20 to 100 µg/L on 9/1/2018.

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

Groundwater Analytical Results  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012

Note

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

Groundwater Analytical Results  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012

## Notes

Concentrations listed in **bold** equal to or greater than applicable NHDES

AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**OMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Notes

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-8																																										
		ug/L (ppb)																																										
Top of PVC		03/28/02	11/22/02	01/21/03	04/03/03	08/22/03	11/05/03	04/30/04	07/20/04	11/09/04	12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	10/12/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22									
Depth to Water (ft)		494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95	494.95											
Product Thickness (ft)		33.68	32.76	33.03	33.21	32.51	32.07	31.46	31.25	31.15	31.30	31.67	31.26	30.65	30.45	30.51		31.44	30.64	30.73	30.54	31.02	30.99	30.68	31.89	31.09	31.38	31.95	32.25	31.17	25.90	31.80	32.60	32.10										
Water Table Elevation (ft)		461.27	462.19	461.92	461.74	462.44	462.88	463.49	463.70	463.80	463.65	463.28	463.69	464.30	464.67	464.50	464.44	463.51	464.31	464.22	464.41	463.93	463.96	464.27	463.06	463.86	463.57	463.00	462.70	463.78	469.05	463.15	462.35	462.85										
Laboratory Dilution Factor																																	1	1	1	1								
Volatile Organic Compounds	AGQS																																											
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0										
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0									
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0									
<i>m,p</i> -xylene	NA																																											
<i>o</i> -xylene	NA																																											
Total Detected Xylenes	10,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0									
<b>Total Detected BTEx</b>	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5								
Dis-1,2-Dichloroethene	70	20.5	10.2	20.9	19.1	13.2	11.3	8.7	15.1	5.4	56.1	16.1	2.0	1.9	3.7	1.1	2.2	13.9	2.6	1.9	<1.0	5.1	14.4	7.5	15.1	31.3	17.9	35.1	70.4	70.8	6.9	22.0	4.2	2.1										
Tetrachloroethene (PCE)	5	8.7	19.7	37.7	27.8	20.5	12.7	10.6	15.9	8.9	90.4	21.3	8.5	9.7	35.5	13.6	22.6	53.3	21.1	19.7	9.9	34.8	55.3	23.7	95.6	55.4	61.8	65.1	63.3	43.4	11.0	54.0	19.0	11.0	6.2	3.4								
Trichloroethene (TCE)	5	1.1	1.4	2.5	2.1	1.7	1.1	<1.0	1.5	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	4.2	1.6	11.2	9.4	13.1	16.6	19.7	25.4	4.2	25.0	6.2	3.4						
Methyl tert butyl ether (MTBE)	13	117.0	43.7	101.0	57.7	38.9	15.4	8.5	17.0	9.1	150.0	44.8	3.6	9.4	15.8	3.9	8.6	24.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0						
Sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0							
<i>n</i> -Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
<i>n</i> -Propylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
<i>n</i> -Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
Sopropylbenzene	800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
Naphthalene	100																																											

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/20/1 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

Groundwater Analytical Results  
DMS FUEls, LLC (Former Gary's Fuels)  
NHDES #199209012

**Notes:**

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/l on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 4/2/01 to 7/20/04 was collected by Grimm International,  
Data from 11/9/04 to 11/20/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		MW-10																															
	Quality Standards		04/30/04	07/20/04	11/09/04	12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	04/27/17	11/28/17	05/30/18	08/26/19	11/06/19	05/13/20	11/09/20	05/10/21	11/01/21	05/25/22	
Total of PVC		493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69	493.69			
Depth to Water (ft)		27.79	27.60	27.43	27.55	27.93	27.55	26.40	26.05	26.50	27.30	27.87	27.34	26.46	26.59	30.17	DRY	26.68	27.54	27.68	28.51	27.48	31.79	29.55	28.60	29.47	26.69	28.48	28.50					
Product Thickness (ft)						0.24		2.15	6.25	2.27	2.99		0.60	2.27		2.97	3.53		2.21		0.78	1.52		0.35	1.33	4.47	1.32	0.09	0.49	0.33	0.27	0.58		
Water Table Elevation (ft)		465.90	466.09	466.26	466.14	465.97	466.14	469.18	473.14	469.19	469.02	465.82	466.88	469.23		469.71	466.63		468.95		466.84	467.35		465.49	467.38	465.83	465.30	465.17	464.65	467.29	465.44	465.70		
Laboratory Dilution Factor																																		
Volatile Organic Compounds	AGQS																																	
Benzene		5	12,800	12,000	13,700																													
Toluene		1,000	19,700	20,900	28,500																													
Ethylbenzene		700	2,140	2,160	4,490																													
<i>m/p-xylene</i>		NA																																
<i>o-xylene</i>		NA																																
Total Detected Xylenes		10,000	9,960	9,980	10,900																													
<b>Total Detected BTEX</b>	NA		44,600	45,040	57,590																													
Methyl tert butyl ether (MTBE)		13	<400	<400	<400																													
sec-Butylbenzene		260	<200	<200	<200																													
tert-Butylbenzene		260	<200	<200	<200																													
n-Butylbenzene		260	<200	<200	<200																													
1,2,4-Trimethylbenzene		330	1,420	1,500	4,530																													
1,3,5-Trimethylbenzene		330	438	428	1,210																													
n-Propylbenzene		260	222	246	602																													
<i>o</i> -Isopropyltoluene		260	<200	<200	<200																													
Isopropylbenzene		800	<200	<200	<200																													
Naphthalene		100	<400	<400	640																													
1,2-dichloroethane		5	<200	<200	206																													
1,2-dibromoethane (Ethylene Dibromide)		0.05	466	470	718																													

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		MW-12																												
	Quality Standards																														
Top of PVC	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96	492.96			
Depth to Water (ft)	26.44	26.52	25.60	24.32	25.38	25.32	25.47		26.64	29.10	25.24		25.17	30.12	25.31	25.23	27.53	26.42			26.41	25.69	26.47	30.27	30.00	29.67	30.10	29.78	26.87	26.40	
Product Thickness (ft)	5.98	1.06	6.48	5.09	1.44	2.63	1.23		0.02	4.65	1.95			5.21	5.02	4.70	4.41	0.53	0.81			3.77	5.07	3.10	4.97	3.26	3.16	3.49	3.00	3.52	3.20
Water Table Elevation (ft)	471.78	467.37	473.06	473.12	468.85	469.95	468.57		466.34	467.95	469.44		472.37	467.26	471.79	471.61	465.90	467.25			469.87	471.73	469.22	467.06	465.83	466.07	465.93	465.82	469.19	469.38	
Laboratory Dilution Factor																															
Volatile Organic Compounds	AGQS		ug/L (ppb)																												
Benzene	5																														
Toluene	1,000																														
Ethylbenzene	700																														
m,p-xylene	NA																														
o-xylene	NA																														
Total Detected Xylenes	10,000																														
Total Detected BTEX	NA																														
Methyl tert butyl ether (MTBE)	13																														
sec-Butylbenzene	260																														
tert-Butylbenzene	260																														
n-Butylbenzene	260																														
1,2,4-Trimethylbenzene	330																														
1,3,5-Trimethylbenzene	330																														
n-Propylbenzene	260																														
p-Isopropyltoluene	260																														
Isopropylbenzene	800																														
Naphthalene	100																														
Tetrachloroethene (PCE)	5																														
Trichloroethene (TCE)	5																														

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

(<sup>1</sup>) AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		MW-13																							
	Quality Standards		12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21
Top of PVC		492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	492.78	
Depth to Water (ft)		33.18	33.51	33.17	32.89	32.35	32.74	33.72	33.55	32.85	32.59	32.88	32.68	33.16	33.21	33.01	33.92	33.06	33.34	34.24	33.22	32.70	33.71	34.45	34.10	
Product Thickness (ft)																										
Water Table Elevation (ft)		459.60	459.27	459.61	459.89	460.43	460.04	459.06		459.23	459.93	460.19	459.90	460.10	459.62	459.57	459.77	458.86	459.72	459.44	458.54	459.56	460.08	459.07	458.33	458.68
Laboratory Dilution Factor																								1	1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)																								
Benzene	5	<b>612.0</b>	<b>419.0</b>	<b>381.0</b>	<b>105.0</b>	<b>56.7</b>	<b>144.0</b>	<b>361.0</b>	<b>218.0</b>	<b>79.9</b>	2.2	23.3	<b>42.6</b>	<b>47.3</b>	<b>78.6</b>	<b>45.9</b>	Not Sampled	<b>69.8</b>	<1.0	<b>51.2</b>	<b>967.0</b>	<b>15.1</b>	<1	<b>360.0</b>	<b>310.0</b>	<b>11.0</b>
Toluene	1,000	<10.0	<10.0	<5.0	2.2	<1.0	<1.0	75.3	10.4	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	3.4	14.3	1.0	<1	2.5	12.0	1.7
Ethylbenzene	700	45.3	24.3	22.7	6.1	5.1	18.5	58.5	43.3	22.2	<1.0	9.2	11.8	11.5	10.9	5.6		1.9	<1.0	5.8	96.5	2.1	<1	79.0	62.0	1.7
<i>m,p-xylene</i>	NA																						<1	28.0	15.0	2.8
<i>o-xylene</i>	NA																						<1	<1	2.6	1.3
Total Detected Xylenes	10,000	57.2	29.2	31.2	15.1	6.8	16.5	90.4	40.6	22.1	<2.0	9.2	5.8	6.2	3.3	3.4		<2.0	<2.0	4.0	55.1	2.2	<2	28.0	17.6	4.1
<b>Total Detected BTEX</b>	NA	715.0	473.0	435.0	128.0	68.6	179.0	585.0	312.0	125.7	2.2	41.7	60.2	65.0	92.8	54.9		71.7	<5	64.4	1133.0	20.4	<5	469.5	401.6	18.5
cis-1,2-Dichloroethene	70	<10.0	<10.0	<5.0	<2.0	31.2	25.7	19.5	24.6	13.7	21.2	14.0	18.3	8.0	3.5	2.5		1.5	1.8	<1.0	<1.0	<1.0	<1	<1	<1	<1
Tetrachloroethylene (PCE)	5	<10.0	<10.0	<b>8.1</b>	2.6	<b>66.1</b>	<b>73.1</b>	<b>71.8</b>	<b>76.8</b>	<b>60.1</b>	<b>101.0</b>	<b>79.6</b>	<b>75.9</b>	<b>47.7</b>	<b>32.0</b>	<b>29.2</b>		<b>13.1</b>	<b>14.0</b>	3.2	1.0	3.8	3.1	1.9	<2	1.4
Trichloroethylene (TCE)	5	<10.0	<10.0	<5.0	<2.0	2.8	2.6	2.6	<5.0	2.3	3.1	2.4	3.7	2.3	1.6	1.5		1.2	1.1	<0.5	<0.5	<0.5	<1	<1	<1	<1
1,2-dibromoethane (Ethylene Dibromide)	0.05	<20.0	<20.0	<10.0	<4.0	<2.0	<2.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<b>0.06</b>	<b>0.11</b>	<1.0	<1.0	<1.0	<2.0	<2.0	<2	<2	<2	<0.5		
Methyl tert butyl ether (MTBE)	13	<10.0	<10.0	10.3	4.6	8.4	<b>13.8</b>	6.2	<10.0	3.2	<b>14.1</b>	3.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1	<1	<1	<1	
sec-Butylbenzene	260	<10.0	<10.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1	<1	<1	<1	<1	
tert-Butylbenzene	260	<10.0	<10.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	<1	
n-Butylbenzene	260	<10.0	<10.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1	<1	<1	<1	<1	
1,2,4-Trimethylbenzene	330	14.0	10.8	7.6	3.2	1.6	8.1	14.9	11.8	14.3	<1.0	5.4	2.6	1.1	<1.0	2.3	<1.0	<1.0	<1.0	25.9	1.8	<1	14.0	6.3	1.3	
1,3,5-Trimethylbenzene	330	<10.0	<10.0	5.1	2.2	<1.0	<1.0	1.5	<5.0	7.6	<1.0	2.2	2.2	<1.0	2.6	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
n-Propylbenzene	260	<10.0	<10.0	<5.0	<2.0	<1.0	2.7	3.3	<5.0	3.5	<1.0	1.1	1.5	1.3	1.5	<1.0	<1.0	<1.0	<1.0	10.1	<1.0	<1	9.4	6.8	<1	
p-Isopropyltoluene	260	<10.0	<10.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	<1	
Isopropylbenzene	800	<10.0	<10.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0	1.0	<1.0	<1.0	1.0	<1.0	1.4	1.2	2.8	<1.0	<1.0	<1.0	<1.0	<1	6.7	4.9	<1	
Naphthalene	100	<20.0	<20.0	14.6	4.1	<2.0	7.7	4.6	<10.0	12.5	<2.0	<2.0	3.3	<2.0	5.4	4.8	8.2	<2.0	<2.0	<2.0	24.6	<2.0	<0.5	17.0	28.0	<2

Notes:

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NA = Standard not available.

(<sup>1</sup>) AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-14																									
		12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22	
Total of PVC		492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61	492.61		
Depth to Water (ft)		33.19	33.55	33.22	32.87	32.30	32.65	32.62	33.58	32.71	32.48	32.79	32.54	33.11	33.14	35.08	33.99	33.13	33.38	34.22	33.20	33.22	33.78	34.58	34.30		
Product Thickness (ft)																											
Water Table Elevation (ft)		459.42	459.06	459.39	459.74	460.31	459.96	459.99		459.03	459.90	460.13	459.82	460.07	459.50	459.47	457.53	458.62	459.48	459.23	458.39	459.41	459.39	458.83	458.03	458.31	
Laboratory Dilution Factor																								1	1	1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)																									
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<1	<1	<1	
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	
m,p-xylene	NA																										
o-xylene	NA																										
Total Detected Xylenes	10,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	
<b>Total Detected BTEX</b>	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
cis-x,2-Dichloroethene	70	13.3	14.0	16.1	7.4	10.9	8.5	4.9	3.6	3.3	3.1	2.6	1.8	2.4	2.2	2.3	ND<1.0	1.1	3.0	8.0	28.3	18.9	8.9	2.7	6.0	9.2	
Tetrachloroethylene (PCE)	5	<b>24.2</b>	<b>30.0</b>	<b>32.7</b>	<b>28.0</b>	<b>36.5</b>	<b>29.6</b>	<b>31.6</b>	<b>31.1</b>	<b>32.8</b>	<b>24.5</b>	<b>28.5</b>	<b>21.5</b>	<b>20.6</b>	<b>28.0</b>	<b>30.1</b>	<b>21.7</b>	<b>11.5</b>	<b>25.5</b>	<b>33.6</b>	<b>62.0</b>	<b>31.7</b>	<b>15.0</b>	<b>54.0</b>	<b>20.0</b>	<b>26.0</b>	
Trichloroethylene (TCE)	5	2.0	2.0	2.4	1.6	1.9	1.6	1.2	1.0	<1.0	<2.0	1.1	<1.0	1.3	1.7	<1.0	1.1	2.7	<b>6.0</b>	<b>14.0</b>	<b>11.3</b>	<1	4.8	<b>7.6</b>	<b>10.0</b>		
1,2-dibromoethane (Ethylene Dibromide)	0.05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2	<2	<0.5	<0.5		
Methyl tert butyl ether (MTBE)	13	<b>40.6</b>	<b>43.7</b>	<b>63.0</b>	<b>35.3</b>	11.3	5.7	3.8	<2.0	2.9	<4.0	9.1	4.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2	<2		
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
n-Propylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
Isopropylbenzene	800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1		
Naphthalene	100																										

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

(<sup>1</sup>) AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-15																										
		ug/L (ppb)																										
Total of PVC		12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	10/12/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22	
Depth to Water (ft)		493.18	493.18	493.18	493.18	493.18	493.18	493.18		493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18	493.18		
Product Thickness (ft)		25.80	26.28	25.53	24.49	24.80	24.19	24.42		25.66	24.46	24.54	25.25	24.82	25.55	25.00	24.00		25.80	25.69	26.50	27.61	25.36	25.54	26.25	27.23	26.80	
Water Table Elevation (ft)		467.38	466.90	467.65	468.69	468.38	468.99	468.76		467.52	468.72	468.64	467.93	468.36	467.63	468.18	469.18		467.38	467.49	466.68	465.57	467.82	467.64	466.93	465.95	466.38	
Laboratory Dilution Factor																									1	1	1	
Volatile Organic Compounds	AGQS																											
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Toluene	1,000	<1.0	<1.0	1.90	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Ethylbenzene	700	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
<i>mp-xylene</i>	NA																								<1	<1	<1	
<i>o-xylene</i>	NA																								<1	<1	<1	
Total Detected Xylenes	10,000	<2.0	<2.0	2.5	<4.0	<2.0	<2.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Total Detected BTEX	NA	<5	<5	4.4	<9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Methyl tert butyl ether (MTBE)	13	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<b>198.0</b>	<b>106.0</b>	6.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Butylbenzene	260	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Propylbenzene	260	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Isopropylbenzene	800	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Naphthalene	<sup>1</sup> 100																								<5	<5	<5	
Tetrachloroethene (PCE)	5	<b>110.0</b>	<b>46.8</b>	<b>156.0</b>	<b>174.0</b>	<b>61.7</b>	<b>122.0</b>	<b>117.0</b>	<b>32.5</b>	<b>109.0</b>														<b>32.0</b>	<b>40.0</b>	<b>37.0</b>	<b>51.0</b>	
Trichloroethene (TCE)	5	3.1	1.3	<b>5.0</b>	3.5	1.1	2.8	2.4	<2.0	4.5															<b>11.0</b>	<b>13.0</b>	<b>10.0</b>	<b>12.0</b>
cis-1,2-Dichloroethene	70																								6.1	3.3	4.8	

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

NOT SAMPLED - WELL NOT LOCATED

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		MW-16																								
	Quality Standards		12/09/04	04/08/05	07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22
Top of PVC		494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	494.98	
Depth to Water (ft)		28.25	28.57	28.29	27.50	27.35	27.28	27.32		28.48	24.46	26.21	27.67	27.43	27.96	27.76	27.35	29.01	28.24	28.38	29.17	28.14	28.05	28.98	29.68	29.40	
Product Thickness (ft)																											
Water Table Elevation (ft)		466.73	466.41	466.69	467.48	467.63	467.70	467.66		466.50	470.52	468.77	467.31	467.55	467.02	467.22	467.63	465.97	466.74	466.60	465.81	466.84	466.93	466.00	465.30	465.58	
Laboratory Dilution Factor																									1	1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)																									
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	N S - B A I L E R I N W E L L		
Toluene	1,000	<1.0	<1.0	1.3	1.1	<1.0	<1.0	1.9	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Ethylbenzene	700	<1.0	<1.0	<1.0	29.4	5.4	6.0	1.4	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
mp-xylene	NA																										
o-xylene	NA																										
Total Detected Xylenes	10,000	3.0	<2.0	<2.0	191.0	169.0	94.4	493.0	<4.0	<2.0	4.5	110.0	<2.0	6.9	<2.0	3.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
<b>Total Detected BTEX</b>	NA	3.0	ND	1.3	222.0	174.0	100.4	496.0	ND	ND	4.5	110.0	ND	6.9	ND	3.8	ND										
Methyl tert butyl ether (MTBE)	13	5.7	4.5	5.2	6.4	7.8	8.1	7.2	9.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,2,4-Trimethylbenzene	330	1.0	<1.0	<1.0	85.5	38.9	35.2	138.0	<2.0	<1.0	<1.0	32.5	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	27.7	7.2	8.5	26.5	<2.0	<1.0	<1.0	8.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
n-Propylbenzene	260	<1.0	<1.0	<1.0	8.0	1.4	1.9	6.5	<2.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Isopropylbenzene	800	<1.0	<1.0	<1.0	3.0	1.4	1.2	7.5	<2.0	<1.0	<1.0	2.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Naphthalene	<sup>(1)</sup> 100																										
Tetrachloroethene (PCE)	5	32.5	22.3	25.0	47.8	60.5	57.8	85.5	62.1	46.2	50.8	77.2	77.4	49.1	37.6	60.2	43.7	39.4	30.4	40.6	26.8						
Trichloroethylene (TCE)	5	1.5	1.2	1.4	1.7	1.8	1.6	1.9	<2.0	<1.0	1.2	2.1	2.9	1.7	1.4	2.8	1.9	2.3	2.2	5.1	3.7						

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		MW-20																							
	Quality Standards		07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22	
Top of PVC		491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94	491.94		
Depth to Water (ft)		47.27	47.06	45.99	46.71	46.53		47.44	47.00	46.45	46.72	46.51	46.87	47.34	44.99	47.84	46.81	47.41	48.25	47.45	46.55	47.79	48.42	48.00		
Product Thickness (ft)																										
Water Table Elevation (ft)		444.67	444.88	445.95	445.23	445.41		444.50	444.94	445.49	445.22	445.43	445.07	444.60	446.95	444.10	445.13	444.53	443.69	444.49	445.39	444.15	443.52	443.94		
Laboratory Dilution Factor																						1	1	1	1	
Volatile Organic Compounds	AGQS	ug/L (ppb)																				<1	<1	<1	<1	
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<1	<1	<1	<1	
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
mp-xylene	NA																					<1	<1	<1	<1	
o-xylene	NA																					<1	<1	<1	<1	
Total Detected Xylenes	10,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	10.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<2		
<b>Total Detected BTEX</b>	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<4.5	<4.5	<4.5	<5	<5	<5	<5	
Methyl tert butyl ether (MTBE)	13	4.0	2.2	4.6	6.9	10.2	8.6	5.4	5.5	<2.0	5.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2	<2	<2	
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
n-Propylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
Isopropylbenzene	800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1	<1	
Naphthalene	100																					<2	<2	<2	<2	
Bromodichloromethane																									1.6	
cis-1,2-Dichloroethene	70																					11.0	2.0	<1		
Tetrachloroethene (PCE)	5	1.3	1.5	7.0	13.8	26.9	21.8	32.8	29.4	16.3	40.7	23.1	36.9	53.4	33.8	39.9	30.3	7.2	2.6	8.7	9.4	16.0	6.6	<1		
Trichloroethene (TCE)	5																					3.0	5.6	2.3	<1	

**Notes:**

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**

NHDES #199209012

Analytes	NHDES Ambient Groundwater		MW-23																				
	Quality Standards		11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	10/12/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22	
Top of PVC		493.30		493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	493.30	
Depth to Water (ft)		44.17		45.18	44.66	44.07	44.33	44.13	44.57	45.01	44.66	45.63	44.52	45.08	45.55	46.06	44.12	0.00	45.58	46.38	45.45		
Product Thickness (ft)																							
Water Table Elevation (ft)		449.13		448.12	448.64	449.23	448.97	449.17	448.73	448.29	448.64	447.67	448.78	448.22	447.75	447.24	449.18	493.30	447.72	446.92	447.85		
Laboratory Dilution Factor																			1	1	1	1	
Volatile Organic Compounds	AGQS		ug/L (ppb)																				
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>23.8</b>	<b>192.0</b>	4.8	<1	Not Sampled - Dry	<1	<1	<1	
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<5.0	<1			<1	<1	<1	
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.4	<5.0	<1			<1	<1	<1	
mp-xylene	NA																				<1	<1	<1
o-xylene	NA																				<1	<1	<1
Total Detected Xylenes	10,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.8	<10.0	<1		<2	<2	<2		
Total Detected BTEX	NA	ND	23.8	200.0	4.8	<5		<5	<5	<5													
cis-1,2-Dichloroethane	70	5.7	5.9	3.3	2.4	1.5	2.9	1.7	<1.0											14.0	6.8	3.1	
Tetrachloroethene (PCE)	5	<b>24.3</b>	<b>17.9</b>	<b>20.0</b>	<b>22.5</b>	<b>25.5</b>	<b>20.0</b>	<b>17.5</b>	<b>17.0</b>	<b>17.5</b>	<b>14.7</b>	<b>11.2</b>	<b>24.3</b>	<b>19.9</b>	<b>16.7</b>	<b>43.3</b>	<b>24.3</b>			<b>24.0</b>	<b>18.0</b>	<b>14.0</b>	
Trichloroethene (TCE)	5	1.4	1.4	1.1	1.1	<1.0	1.2	1.0	<1.0	<1.0	<1.0	1.1	2.7	2.9	2.2	<b>8.9</b>	<b>6.3</b>			<b>11.0</b>	<b>8.0</b>	<b>5.2</b>	
1,2-dichloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	1.2	<2.50	<0.5		<0.5	<0.5	<0.5	
Methyl tert butyl ether (MTBE)	13	<b>21.2</b>	7.0	2.7	<2.0	6.4	3.7	4.4	4.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<2.0		<2	<2	<2	
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
n-Propylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1	<1	<1	
Isopropylbenzene	800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<5.0	<1.0			
Naphthalene	100																						

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-24																		
		Quality Standards																		
Top of PVC		493.33		493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33	493.33
Depth to Water (ft)		25.90		27.00	26.07	25.86	26.35	26.17	26.66	26.50	26.10	27.69	26.95	27.20	27.87	28.01	29.72	28.40	27.65	
Product Thickness (ft)																				
Water Table Elevation (ft)		467.43		466.33	467.26	467.47	466.98	467.16	466.67	466.83	467.23	465.64	466.38	466.13	465.46	465.32	463.61	464.93	465.68	
Laboratory Dilution Factor																				1
Volatile Organic Compounds	AGQS	ug/L (ppb)																		
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1	<1
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
mp-xylene	NA																			<1
o-xylene	NA																			<1
Total Detected Xylenes	10,000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	34.4	<2.0	5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2
<b>Total Detected BTEX</b>	NA	ND	ND	ND	ND	ND	ND	ND	ND	43.0	ND	8.5	ND	<5						
Methyl tert butyl ether (MTBE)	13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	33.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	9.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
n-Propylbenzene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Isopropylbenzene	800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Naphthalene	1 <sup>100</sup>																			<2
Tetrachloroethene (PCE)	5	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	1.2	1.1	1.0	<1.0	1.9	2.6	1.2				1.0
Trichloroethene (TCE)	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1

Notes:

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NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

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**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-11-26						
		07/07/11	12/06/12	04/18/14	04/06/16	08/26/19	05/10/21	05/25/22
Top of PVC						491.21	491.21	491.21
Depth to Water (ft)			50.50	49.35	50.18	49.60	51.45	50.05
Product Thickness (ft)								
Water Table Elevation (ft)			-50.50	-49.35	-50.18	441.61	439.76	441.16
Laboratory Dilution Factor								1
Volatile Organic Compounds	AGQS	ug/L (ppb)						
Benzene	5	<1.0	<1.0	<1.0	<1.0			<1
Toluene	1000	<1.0	<1.0	<1.0	<1.0			<1
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0			<1
mp-xylene	NA							<1
o-xylene	NA							<1
Total Detected Xylenes	10000	<2.0	<2.0	<2.0	<2.0			<2
Total Detected BTEX	NA	ND	ND	ND	ND			<5
Methyl tert butyl ether (MTBE)	13	27.0	2.5	<2.0	<2.0			<1
sec-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0			<1
tert-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0			<1
n-Butylbenzene	260	<1.0	<1.0	<1.0	<1.0			<1
1,2,4-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0			<1
1,3,5-Trimethylbenzene	330	<1.0	<1.0	<1.0	<1.0			<1
n-Propylbenzene	260	<1.0	<1.0	<1.0	<1.0			<1
p-Isopropyltoluene	260	<1.0	<1.0	<1.0	<1.0			<1
Isopropylbenzene	800	<1.0	<1.0	<1.0	<1.0			<1
Naphthalene	<sup>(1)</sup> 100							<2
Bromodichloromethane								1.6
1,2 dichloroethane	5	<1.0	<1.0	1.8	<1.0			<1
1,2 dibromoethane (EDB)	0.05	<1.0	<1.0	1.4	<1.0			<0.5

Notes:

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NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-16-28						
		10/12/16	04/27/17	05/30/18	08/26/19	05/13/20	05/10/21	05/25/22
Top of PVC		493.24	493.24	493.24	493.24	493.24	493.24	493.24
Depth to Water (ft)		45.99	46.02	45.49	44.62	45.92	46.81	45.85
Product Thickness (ft)								
Water Table Elevation (ft)		447.25	447.22	447.75	448.62	447.32	446.43	447.39
Laboratory Dilution Factor					1	1	1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)						
Benzene	5	186	84.1	26.9	7.8	250.0	59.0	32.0
Toluene	1000	<5.0	<5.0	<1.0	<1	2.3	<1	<1
Ethylbenzene	700	6.0	6.0	<1.0	<1	79.0	1.3	<1
<i>mp</i> -xylene	NA				<1	69.0	22.0	2.5
<i>o</i> -xylene	NA				<1	<1	<1	<1
Total Detected Xylenes	10000	<10.0	<10.0	4.1	<2	69.0	22.0	2.5
Total Detected BTEX	NA	192.0	90.1	31.0	7.8	400.3	82.3	34.5
Methyl tert butyl ether (MTBE)	13	<10.0	<10.0	<2.0	<2	<2	<2	<2
sec-Butylbenzene	260	<5.0	<5.0	<1.0	<1	<1	<1	<1
tert-Butylbenzene	260	<5.0	<5.0	<1.0	<1	<1	<1	<1
n-Butylbenzene	260	<5.0	<5.0	<1.0	<1	<1	<1	<1
1,2,4-Trimethylbenzene	330	<5.0	10.5	3.0	<1	22.0	17.0	<1
1,3,5-Trimethylbenzene	330	<5.0	<5.0	<1.0	<1	<1	<1	<1
n-Propylbenzene	260	<5.0	<5.0	<1.0	<1	11.0	<1	<1
p-Isopropyltoluene	260	<5.0	<5.0	<1.0	<1	<1	<1	<1
Isopropylbenzene	800	<5.0	<5.0	<1.0	<1	12.0	3.7	<1
Naphthalene	<sup>(1)</sup> 100	<10.0	<5.0	4.8	<5	14.0	12.0	2.4
cis-1,2-Dichloroethene	70					1.2	1.3	4.3
Tetrachloroethylene (PCE)	5	29.6	<2.5	4.3	8.9	1.7	1.5	11.0
Trichloroethylene (TCE)	5	5.6	<2.5	1.9	3.0	1.2	1.5	5.6

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-16-29											
		10/12/16	04/27/17	11/28/17	05/30/18	11/13/18	08/26/19	11/06/19	05/13/20	11/09/20	05/10/21	11/01/21	05/25/22
Top of PVC		492.62	492.62	492.62	492.62	492.62	492.62	492.62	492.62	492.62	492.62	492.62	492.62
Depth to Water (ft)		40.86	41.75	40.52	40.25	40.53	39.92	40.24	40.96	40.95	41.62	40.40	40.50
Product Thickness (ft)													
Water Table Elevation (ft)		451.76	450.87	452.10	452.37	452.09	452.70	452.38	451.66	451.67	451.00	452.22	452.12
Laboratory Dilution Factor							1	1	1	1	1	1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)											
Benzene	5	691	897	304	214	250	160	210	150	160	160	92	24
Toluene	1000	77.0	44.4	10.0	29.4	13.1	21.0	35.0	12	22	10	6.3	2.0
Ethylbenzene	700	43.7	54.1	6.9	45.0	10.8	9.3	14.0	21	22	26	8.6	6.2
mp-xylene	NA						7.0	21.0	9.7	17.0	7.1	4.4	1.9
o-xylene	NA						<1	3.0	<1	1.6	<1	<1	<1
Total Detected Xylenes	10000	170.0	81.1	16.4	21.1	9.8	7.0	24.0	9.7	18.6	7.1	4.4	1.9
<b>Total Detected BTEX</b>	NA	982	1077.0	337.0	310.0	284.0	197.3	283.0	192.7	222.6	203.1	111.3	34.1
Acetone	6000			30.3	<100		<10	<10	<10	<10	19.0	27.0	15.0
2-Butanone (MEK)	4000			10.7	<100	<10	<10	<10	<10	11	<10	<10	<10
Methyl tert butyl ether (MTBE)	13	<10.0	<20.0	<2.0	<20.0	<2	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	260	5.5	<10	3.2	<100	2.0	1.2	1.8	2.2	2.2	2.2	1.8	1.4
tert-Butylbenzene	260	<5.0	<10.0	<1.0	<10.0	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	260	<10.0	<10.0	2.9	<10.0	2.1	<1	3.3	3.6	3.1	2.7	1.8	1.1
1,2,4-Trimethylbenzene	330	15.0	<10.0	1.2	<10.0	1.3	<1	1.2	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	330	48.4	55.3	35.7	27.8	28.1	13.0	25.0	7.8	7.7	<1	<1	<1
n-Propylbenzene	260	43.5	48.3	30.6	27.5	27.8	18.0	28.0	27	32	28	19	13
p-Isopropyltoluene	260	<5.0	<10.0	1.8	<10.0	<1	<1	1.1	1.1	1.2	1.0	<1	<1
Isopropylbenzene	800	39.0	45.8	32.9	23.8	25.7	20.0	30.0	28	28	28	21	16
Naphthalene	<sup>1</sup> 100	55.1	84.7	90.1	56.5	73.0	48.0	51.0	52	44	37	45	26

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-16-30			
		10/12/16	08/26/19	05/10/21	05/25/22
Top of PVC		492.49	492.49	492.49	492.49
Depth to Water (ft)		38.45	37.26	39.62	38.15
Product Thickness (ft)					
Water Table Elevation (ft)		454.04	455.23	452.87	454.34
Laboratory Dilution Factor		1			1
Volatile Organic Compounds	AGQS	ug/L (ppb)			
Benzene	5	<0.5	N o t S a m p l e d	<1	<1
Toluene	1000	<1.0		<1.0	<1
Ethylbenzene	700	<1.0		<1.0	<1
<i>mp</i> -xylene	NA			<1	<1
<i>o</i> -xylene	NA			<1	<1
Total Detected Xylenes	10000	<2.0		<2	<2
<b>Total Detected BTEX</b>	NA	<4.5		<5	<5
Acetone	6000			<10	<1
2-Butanone (MEK)	4000			<10	<1
tertiary-butyl Alcohol (TBA)	40			<30	<30
Methyl tert butyl ether (MTBE)	13	<2.0		<2	<1
Diisopropyl Ether (DIPE)	120			<2	<2
2-Hexanone (MBK)	NS			<10	<10
sec-Butylbenzene	260	<1.0		<1	<1
tert-Butylbenzene	260	<1.0		<1	<1
n-Butylbenzene	260	<1.0		<1	<1
1,2,4-Trimethylbenzene	330	<1.0		<1	<1
1,3,5-Trimethylbenzene	330	<1.0		<1	<1
n-Propylbenzene	260	<1.0		<1	<1
p-Isopropyltoluene	260	<1.0		<1	<1
Isopropylbenzene	800	<1.0		<1	<1
Naphthalene	<sup>(1)</sup> 100			<2	<2

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater Quality Standards	MW-16-31				
		10/12/16	04/27/17	08/26/19	05/10/21	05/25/22
Top of PVC		493.15	493.15	493.15	493.15	493.15
Depth to Water (ft)		41.22	42.01	43.91	42.25	41.80
Product Thickness (ft)						
Water Table Elevation (ft)		451.93	451.14	449.24	450.90	451.35
Laboratory Dilution Factor		1	1		1	1
<b>Volatile Organic Compounds</b>	<b>AGQS</b>	<i>ug/L (ppb)</i>				
Benzene	5	<0.5	<0.5		<1	<1
Toluene	1000	<1.0	<1.0		<1	<1
Ethylbenzene	700	<1.0	<1.0		<1	<1
<i>mp-xylene</i>	NA				<1	<1
<i>o-xylene</i>	NA				<1	<1
Total Detected Xylenes	10000	<2.0	<2.0		<2	<2
<b>Total Detected BTEX</b>	<b>NA</b>	<4.5	<4.5		<5	<5
Acetone	6000				<10	<10
2-Butanone (MEK)	4000				<10	<10
tertiary-butyl Alcohol (TBA)	40				<30	<30
Methyl tert butyl ether (MTBE)	13	<2.0	<2.0		<2	<2
Diisopropyl Ether (DIPE)	120				<2	<2
2-Hexanone (MBK)	NS				<10	<10
sec-Butylbenzene	260	<1.0	<1.0		<1	<1
tert-Butylbenzene	260	<1.0	<1.0		<1	<1
n-Butylbenzene	260	<1.0	<1.0		<1	<1
1,2,4-Trimethylbenzene	330	<1.0	<1.0		<1	<1
1,3,5-Trimethylbenzene	330	<1.0	<1.0		<1	<1
n-Propylbenzene	260	<1.0	<1.0		<1	<1
p-Isopropyltoluene	260	<1.0	<1.0		<1	<1
Isopropylbenzene	800	<1.0	<1.0		<1	<1
Naphthalene	<sup>(1)</sup> 100				<2	<2

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-16-32			
		10/12/16	08/26/19	05/10/21	05/25/22
Top of PVC		492.41	492.41	492.41	492.41
Depth to Water (ft)		26.85	25.90	26.98	27.10
Product Thickness (ft)					
Water Table Elevation (ft)		465.56	466.51	465.43	465.31
Laboratory Dilution Factor		1		1	1
Volatile Organic Compounds	AGQS	ug/L (ppb)			
Benzene	5	<0.5	N o t S a m p l e d	<1	<1
Toluene	1000	<1.0		<1	<1
Ethylbenzene	700	<1.0		<1	<1
<i>mp</i> -xylene	NA			<1	4.4
<i>o</i> -xylene	NA			<1	2.3
Total Detected Xylenes	10000	<2.0		<2	6.7
<b>Total Detected BTEX</b>	NA	<4.5		<5	6.7
Acetone	6000			<10	<10
2-Butanone (MEK)	4000			<10	<10
tertiary-butyl Alcohol (TBA)	40			<30	<30
Methyl tert butyl ether (MTBE)	13	<2.0		<1	<1
Diisopropyl Ether (DIPE)	120			<2	<2
2-Hexanone (MBK)	NS			<10	<10
sec-Butylbenzene	260	<1.0		<1	<1
tert-Butylbenzene	260	<1.0		<1	<1
n-Butylbenzene	260	<1.0		<1	<1
1,2,4-Trimethylbenzene	330	<1.0		<1.0	6.2
1,3,5-Trimethylbenzene	330	<1.0		<1.0	1.8
n-Propylbenzene	260	<1.0		<1.0	<1
p-Isopropyltoluene	260	<1.0		<1.0	<1
Isopropylbenzene	800	<1.0		<1.0	<1
Naphthalene	<sup>(1)</sup> 100			<2	<2

Notes:

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<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater	MW-16-34											
		10/13/16	04/27/17	11/28/17	05/30/18	11/13/18	08/26/19	11/06/19	05/13/20	11/09/20	05/10/21	11/01/21	05/25/22
Top of PVC		492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45
Depth to Water (ft)		26.85	27.25	26.67	26.07	26.40	26.13	26.70	26.92	26.92	27.39	27.08	27.40
Product Thickness (ft)													
Water Table Elevation (ft)		465.60	465.20	465.78	466.38	466.05	466.32	465.75	465.53	465.53	465.06	465.37	465.05
Laboratory Dilution Factor							1	20	20	20	20	1	20
Volatile Organic Compounds	AGQS	ug/L (ppb)											
Benzene	5	118	120	108	26	36	12	56	<20	21	<20	20	<20
Toluene	1000	10,600	8,610	10,900	2,640	1,910	990	5,000	5,700	7,300	3,400	4,300	1,700
Ethylbenzene	700	1,340	936	1,310	382	460	150	1,300	840	1,200	430	750	310
mp-xylene	NA						320	2,800	2,500	3,200	1,200	1,900	770
o-xylene	NA						160	1,600	1,100	1,500	580	830	370
Total Detected Xylenes	10000	7,140	4,370	6,220	1,390	1,670	480	4,400	3,600	4,700	1,780	2,730	1,140
<b>Total Detected BTEX</b>	NA	19,198	14,036	18,538	4,438	4,076	1,632	10,756	10,140	13,221	5,610	7,800	3,150
Acetone	6,000											14	<200
Methyl tert butyl ether (MTBE)	13	<20	<400	<200	<40	<100	<5	<20	<20	<20	<20	<1	<20
sec-Butylbenzene	260					<50	<5	<20	<20	<20	<20	2.8	<20
tert-Butylbenzene	260					<50	<5	<20	<20	<20	<20	<1	<1
n-Butylbenzene	260					<50	<5	22	<20	<20	<20	<1	<1
1,2,4-Trimethylbenzene	330	828	514	719	192	353	130	870	510	700	260	410	180
1,3,5-Trimethylbenzene	330	235	<200	221	38	55	23	220	140	170	66	91	44
n-Propylbenzene	260	138	<200	148	30	57	25	150	77	100	39	72	29
p-Isopropyltoluene	260	<10	<200	<100	<20.0	<50	<5	<20	<20	<20	<20	1.7	<20
Isopropylbenzene	800	62	<200	<100	<20.0	<50	11	64	31	41	<20	28	<20
Naphthalene	<sup>1</sup> 100	115	<400	<200	<40	50	<30	110	86	100	72	95	<40
Bromodichloroethane	260		110	<100	<10	<25	<3	<20	<20	<10	<1	<20	

Notes:

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NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS Fuels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		RW-1																													
	Quality Standards		07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	11/07/07	04/17/08	11/24/08	03/13/06	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	10/12/16	04/27/17	11/28/17	05/30/18	11/13/18	08/26/19	11/06/19	05/13/20	11/09/20	05/10/21	11/01/21	05/25/22		
Top of PVC		493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09	493.09					
Depth to Water (ft)		26.85	26.09	26.05	26.04	26.40	27.43	26.23			26.13	27.06	26.34	26.11	27.59	26.84	27.01	27.69	27.82	27.45	26.82	27.25	25.77	27.36	27.50	27.65	28.15	27.67	28.00			
Product Thickness (ft)				0.35	0.07	0.35	0.32	0.43			0.35	0.44	0.31	0.33	0.07	0.23		0.01														
Water Table Elevation (ft)		466.24	467.00	467.35	467.11	467.00	465.94	467.24			467.27	466.42	467.02	467.27	465.56	466.45	466.08	465.41	465.27	465.64	466.27	465.84	467.32	465.73	465.59	465.44	464.94	465.42	465.09			
Laboratory Dilution Factor																										5	20	20	10	1	10	
Volatile Organic Compounds	AGQS																															
Benzene		5	6,260	6,860																												
Toluene		1,000	12,900	19,600																												
Ethylbenzene		700	1,470	3,440																												
m-p-xylene		NA																														
o-xylene		NA																														
Total Detected Xylenes		10,000	6,460	18,300																												
Total Detected BTEX		NA	27,090	48,200																												
Acetone		6,000																														
2-Butanone (MEK)		4000																														
Methyl tert butyl ether (MTBE)		13	<40	<400																												
sec-Butylbenzene		260	<20	<200																												
tert-Butylbenzene		260	<20	<200																												
n-Butylbenzene		260	<20	<200																												
1,2,4-Trimethylbenzene		330	897	3,300																												
1,3,5-Trimethylbenzene		330	257	966																												
n-Propylbenzene		260	146.0	340																												
p-Isopropyltoluene		260	<20	<200																												
Isopropylbenzene		800	<20	<200																												
Naphthalene		<sup>1</sup> 100																														
1,2 dichloroethane (EDB)		5	46.0	<200																												
1,2 dibromoethane (EDB)		0.05	208.0	<400																												

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

**Groundwater Analytical Results**  
**DMS FUels, LLC (Former Gary's Fuels)**  
**NHDES #199209012**

Analytes	NHDES Ambient Groundwater		RW-2																												
	Quality Standards		07/18/05	11/29/05	04/11/06	07/12/06	11/21/06	04/13/07	11/07/07	04/17/08	11/24/08	03/13/09	11/02/09	04/09/10	11/23/10	04/21/11	12/06/12	04/18/14	04/06/16	10/12/16	11/28/17	05/30/18	11/13/18	08/26/19	11/06/19	05/13/20	11/09/20	05/10/21	11/01/21	05/25/22	
Top of PVC		492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45	492.45				
Depth to Water (ft)		25.92	24.92	25.15	25.07	25.12	26.33	26.33	25.35	24.51		24.89	27.85	24.89	24.97	28.55	25.51	25.81	26.60	26.46	25.70	26.20	27.26	28.35	27.82	28.30	28.90	26.80	27.70		
Product Thickness (ft)			0.18	0.95	0.11	0.02	0.08	0.29	0.40	0.58		2.49	2.79	2.74	0.99	2.68	3.39	2.14	2.21	0.10	0.68	0.80	1.58	2.31	1.71	2.22	2.50	2.29	2.15		
Water Table Elevation (ft)		466.53	467.69	468.14	467.48	467.35	466.19	466.38	467.45	468.45		469.75	467.06	469.97	468.35	466.26	469.92	468.53	467.79	466.08	467.35	466.95	466.58	466.13	466.13	465.75	467.67	466.64			
Laboratory Dilution Factor																															
Volatile Organic Compounds	AGQS																														
Benzene		5	196																												
Toluene		1,000	2,360																												
Ethylbenzene		700	385																												
<i>m,p-xylene</i>		NA																													
<i>o-xylene</i>		NA																													
Total Detected Xylenes		10,000	1,910																												
Total Detected BTEX		NA	4,851																												
Acetone		6000																													
2-Butanone (MEK)		4000																													
tertiary-butyl Alcohol (TBA)		40																													
Methyl tert butyl ether (MTBE)		13	<40																												
Diisopropyl Ether (DIPE)		120																													
2-Hexanone (MBK)		NS	<20																												
sec-Butylbenzene		260	<20																												
tert-Butylbenzene		260	<20																												
n-Butylbenzene		260																													
Methyl Cyclohexane		NS																													
1,2,4-Trimethylbenzene		330	318.0																												
1,3,5-Trimethylbenzene		330	99.8																												
n-Propylbenzene		260	49.6																												
p-Isopropyltoluene		260	<20																												
Isopropylbenzene		800	22.6																												
Naphthalene		100																													

Notes:

Concentrations listed in **bold** equal to or greater than applicable NHDES AGQS.

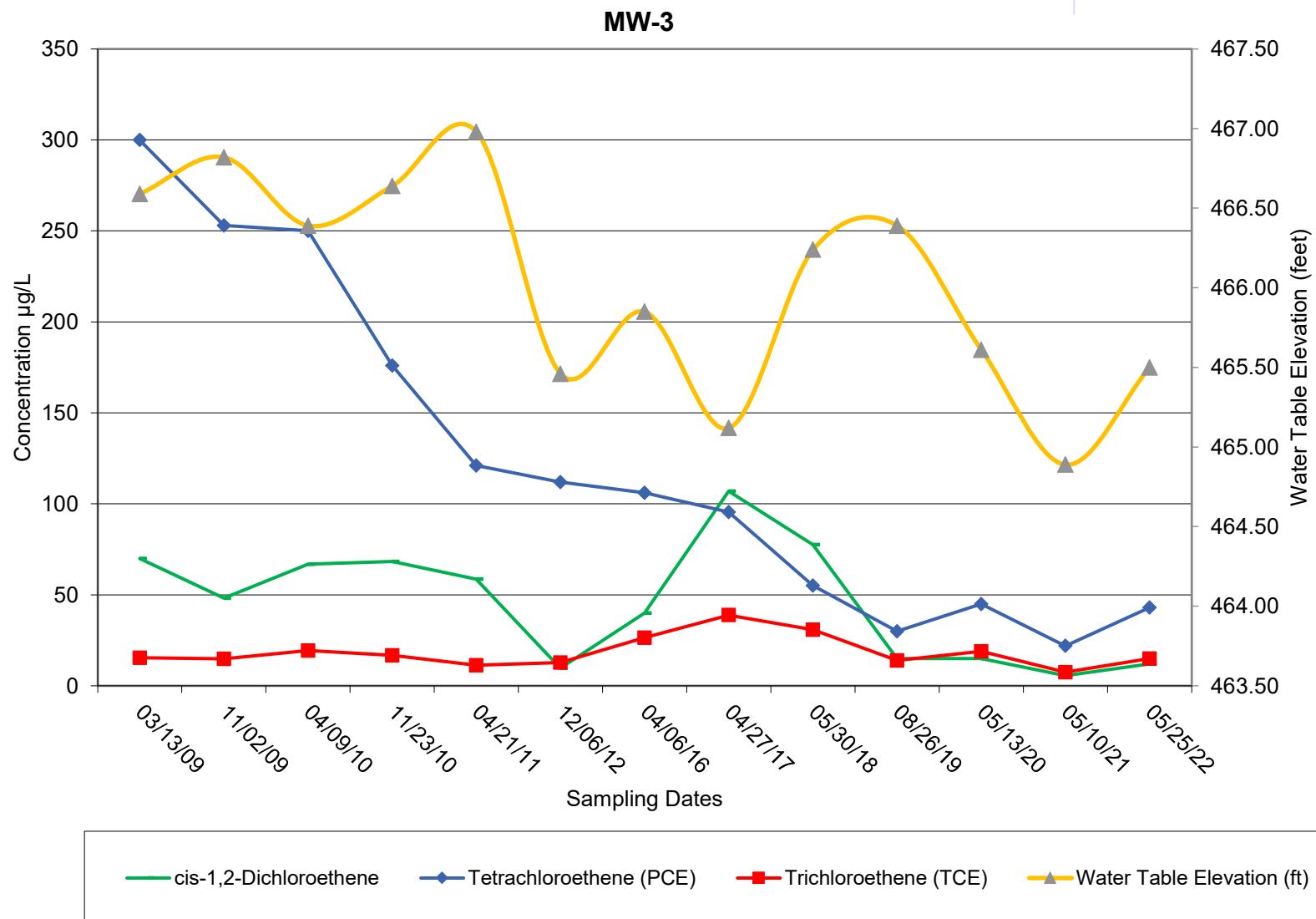
NA = Standard not available.

<sup>(1)</sup> AGQS changed from 20 to 100 µg/L on 9/1/2018

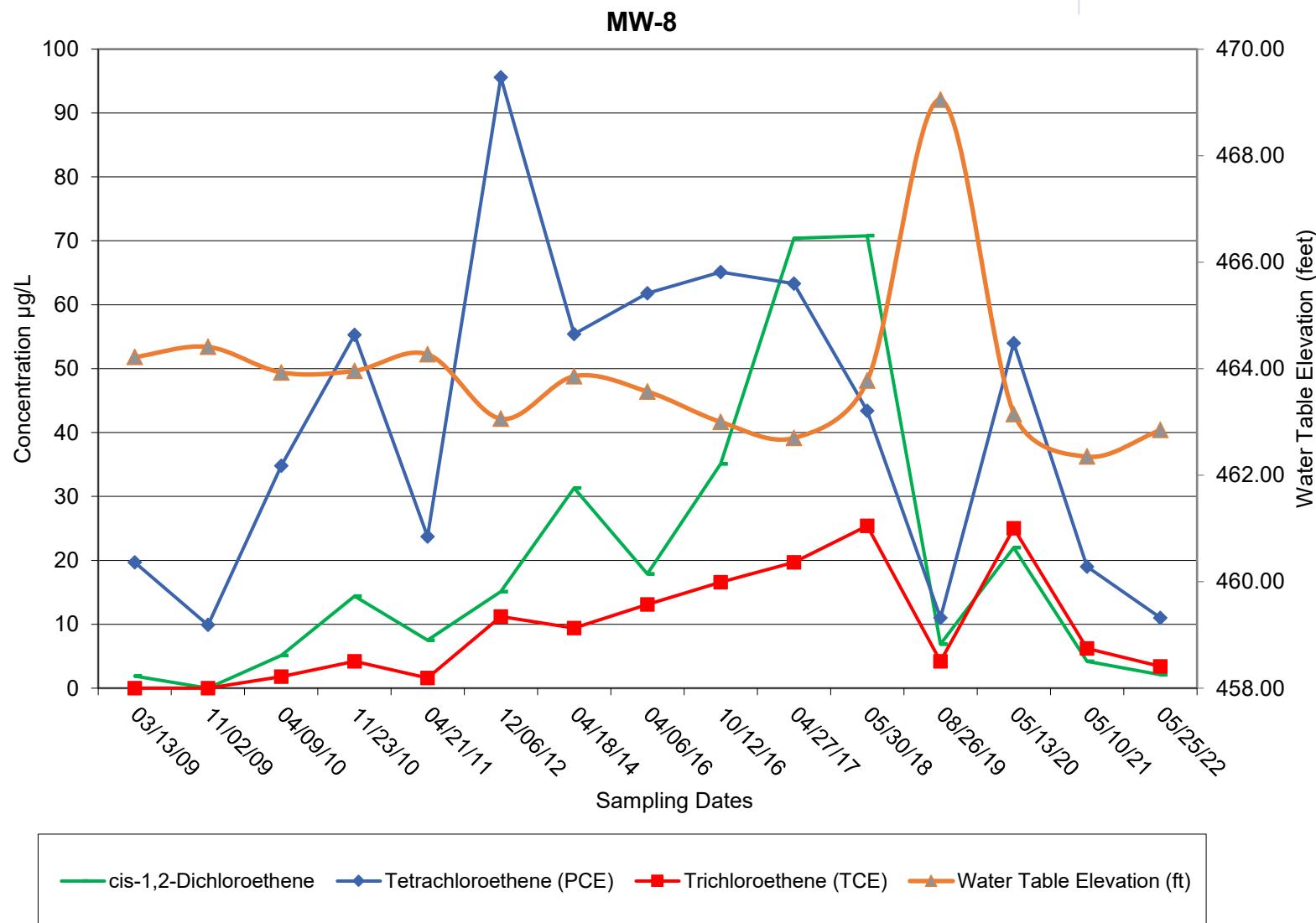
Data from 4/2/01 to 7/20/04 was collected by Griffin International, Inc.

Data from 11/9/04 to 11/30/18 was collected by KAS, Inc.

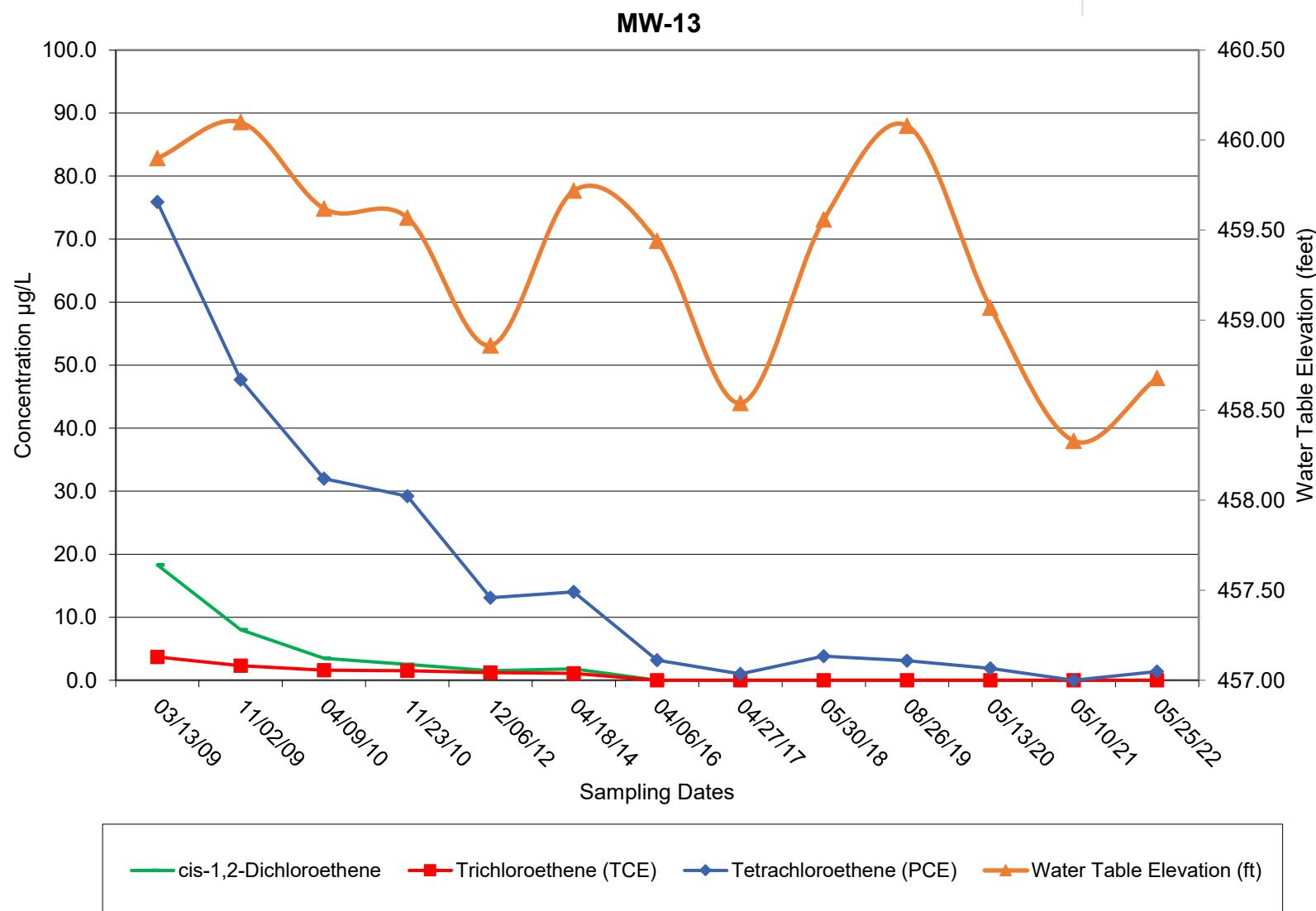
**GROUNDWATER QUALITY DATA CHART**  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



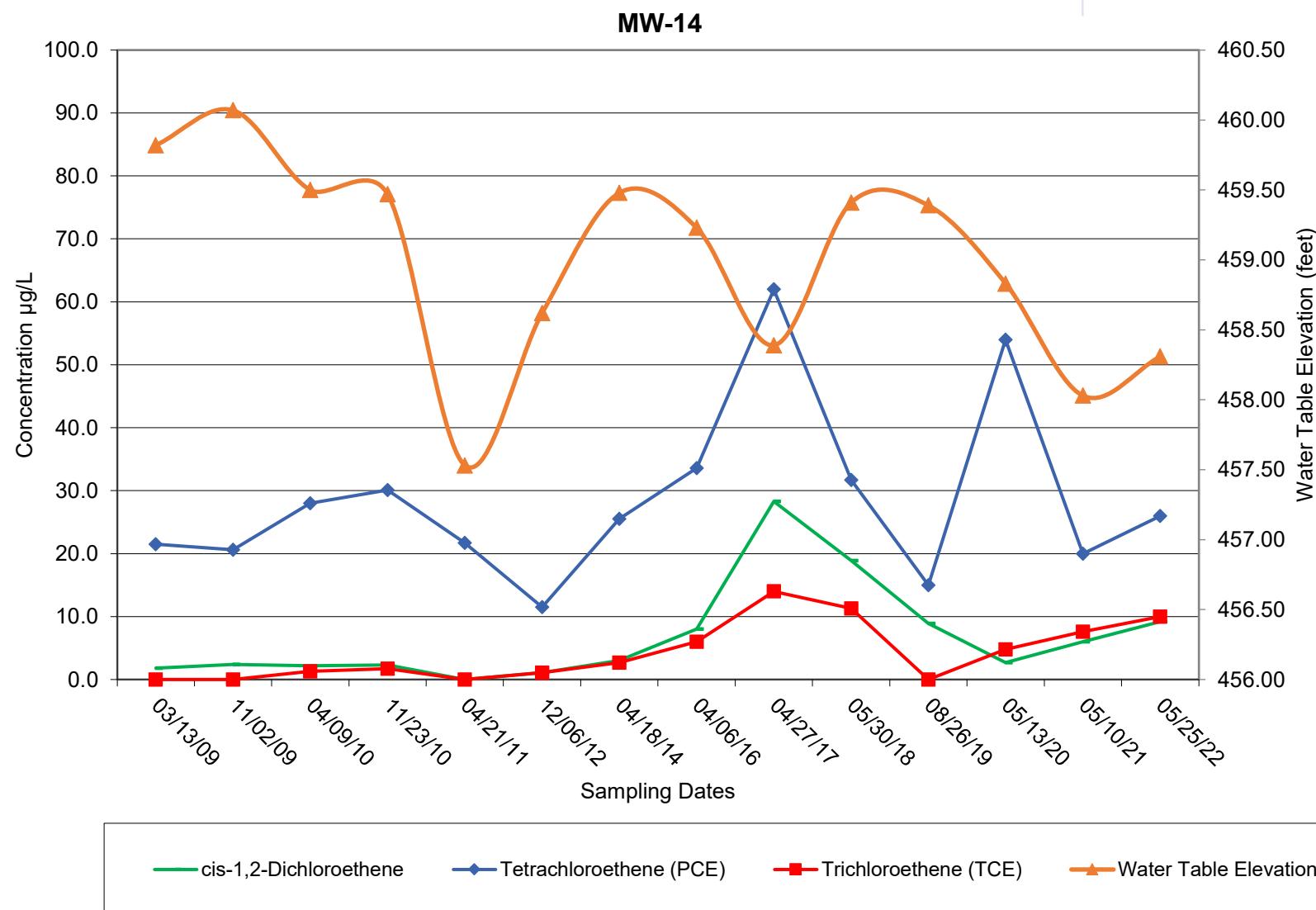
GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



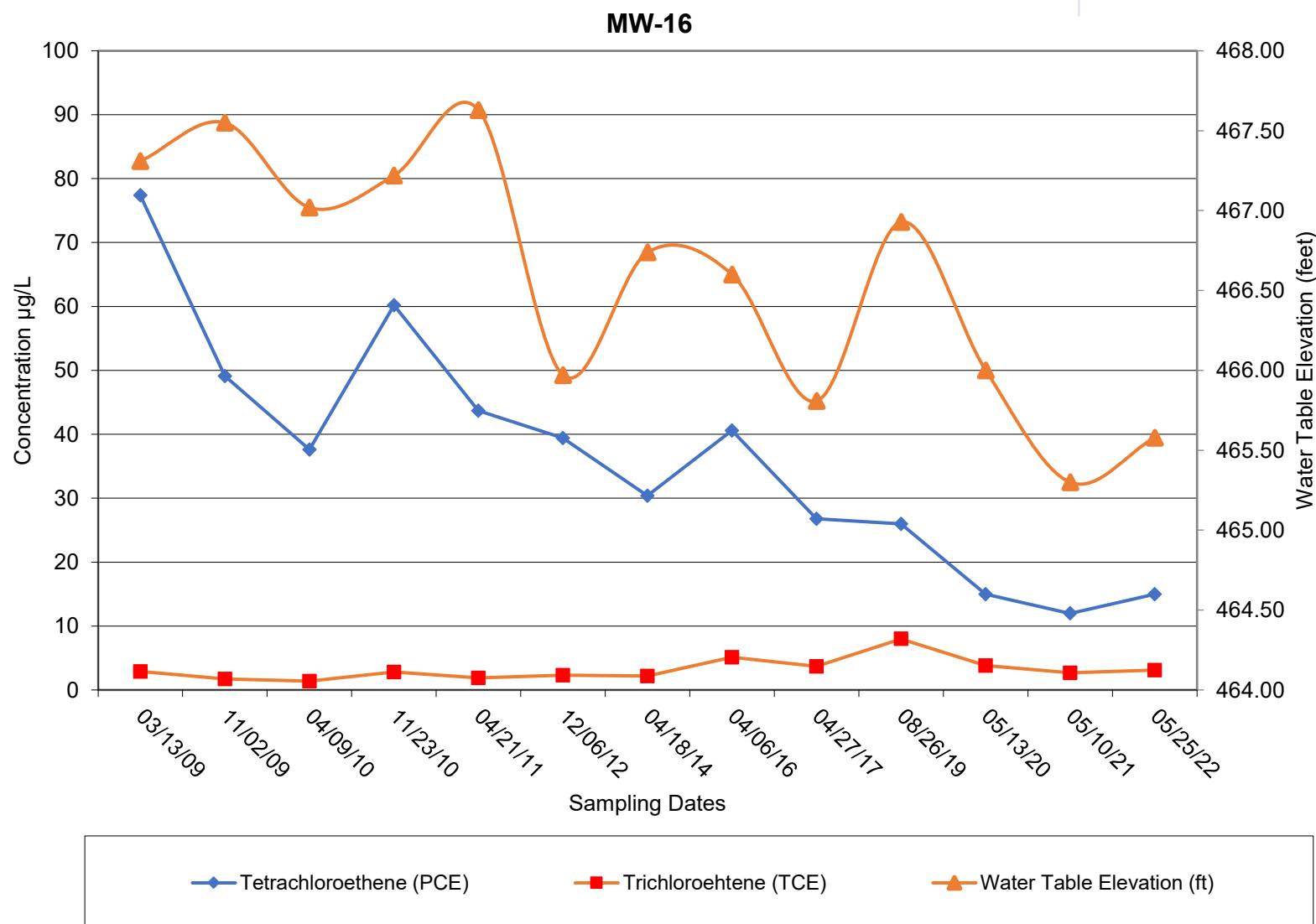
**GROUNDWATER QUALITY DATA CHART**  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



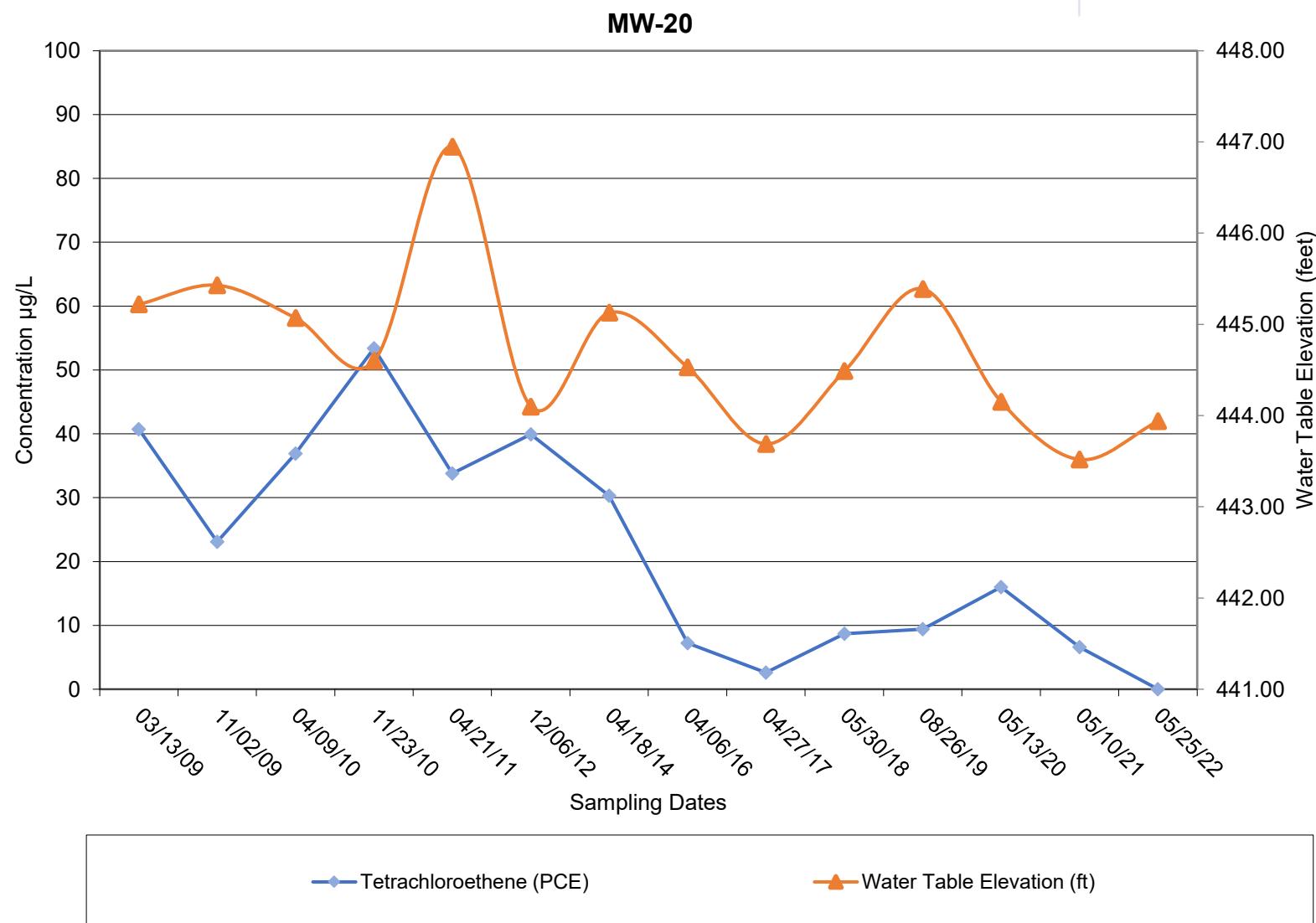
GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



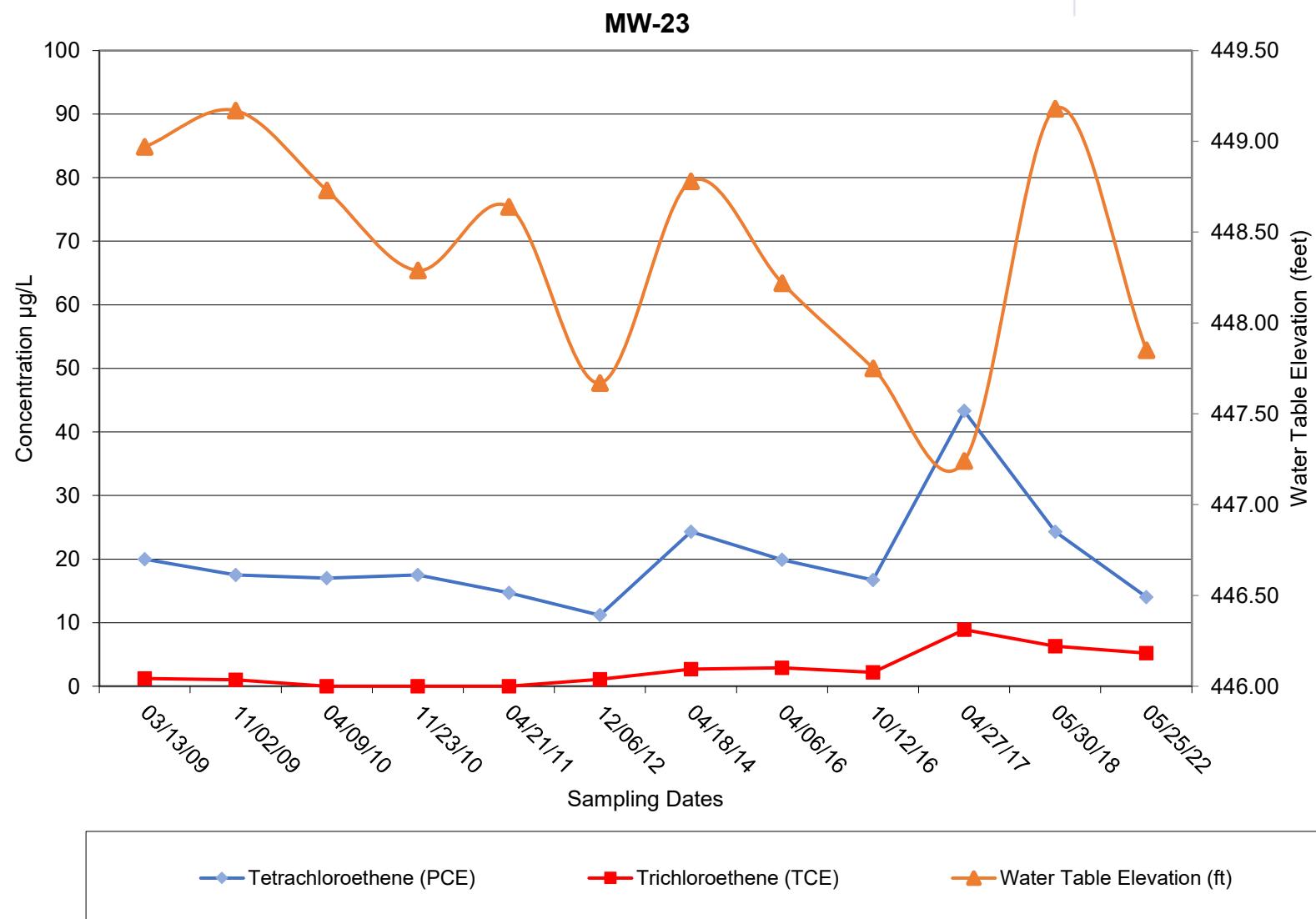
**GROUNDWATER QUALITY DATA CHART**  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



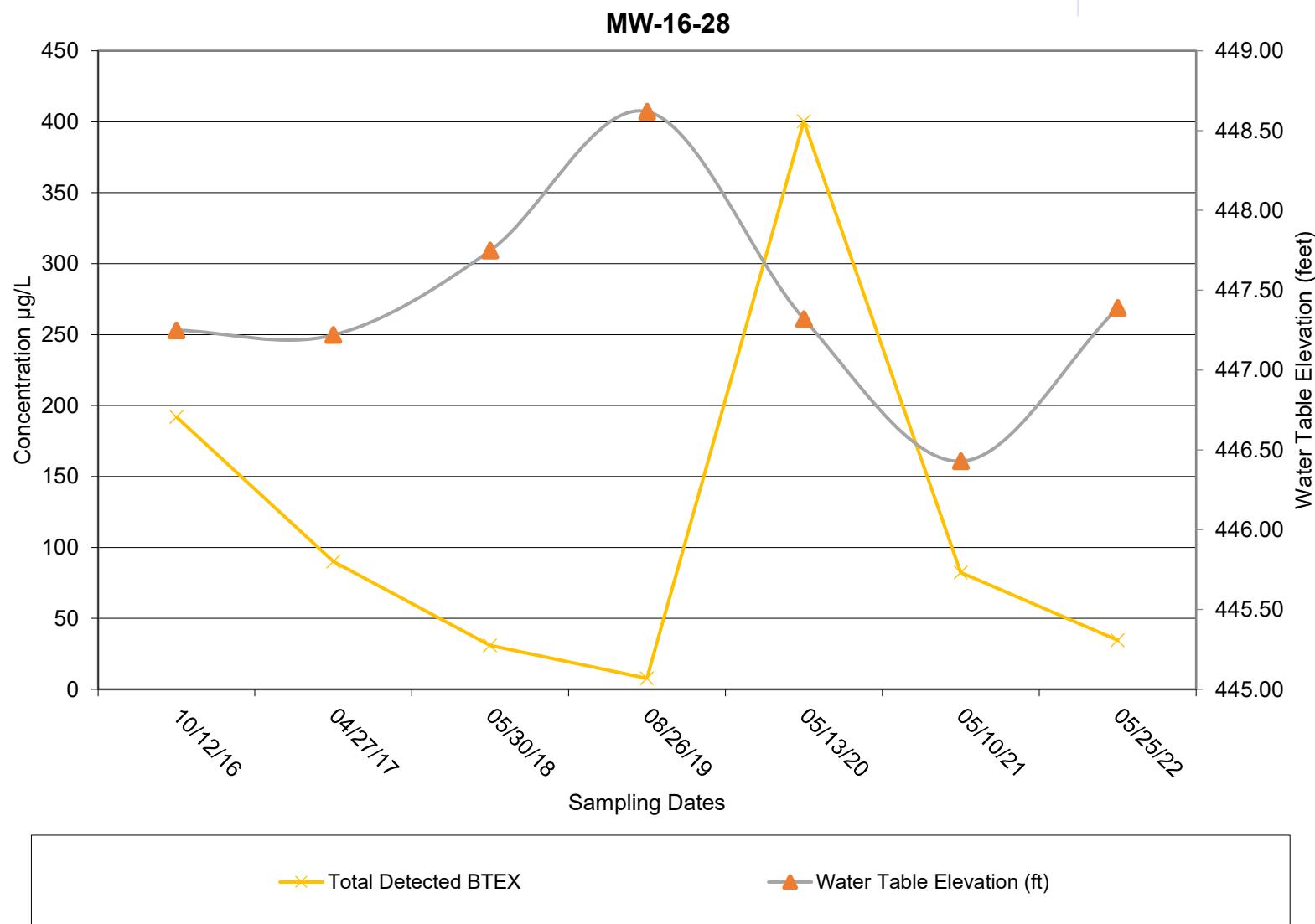
GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



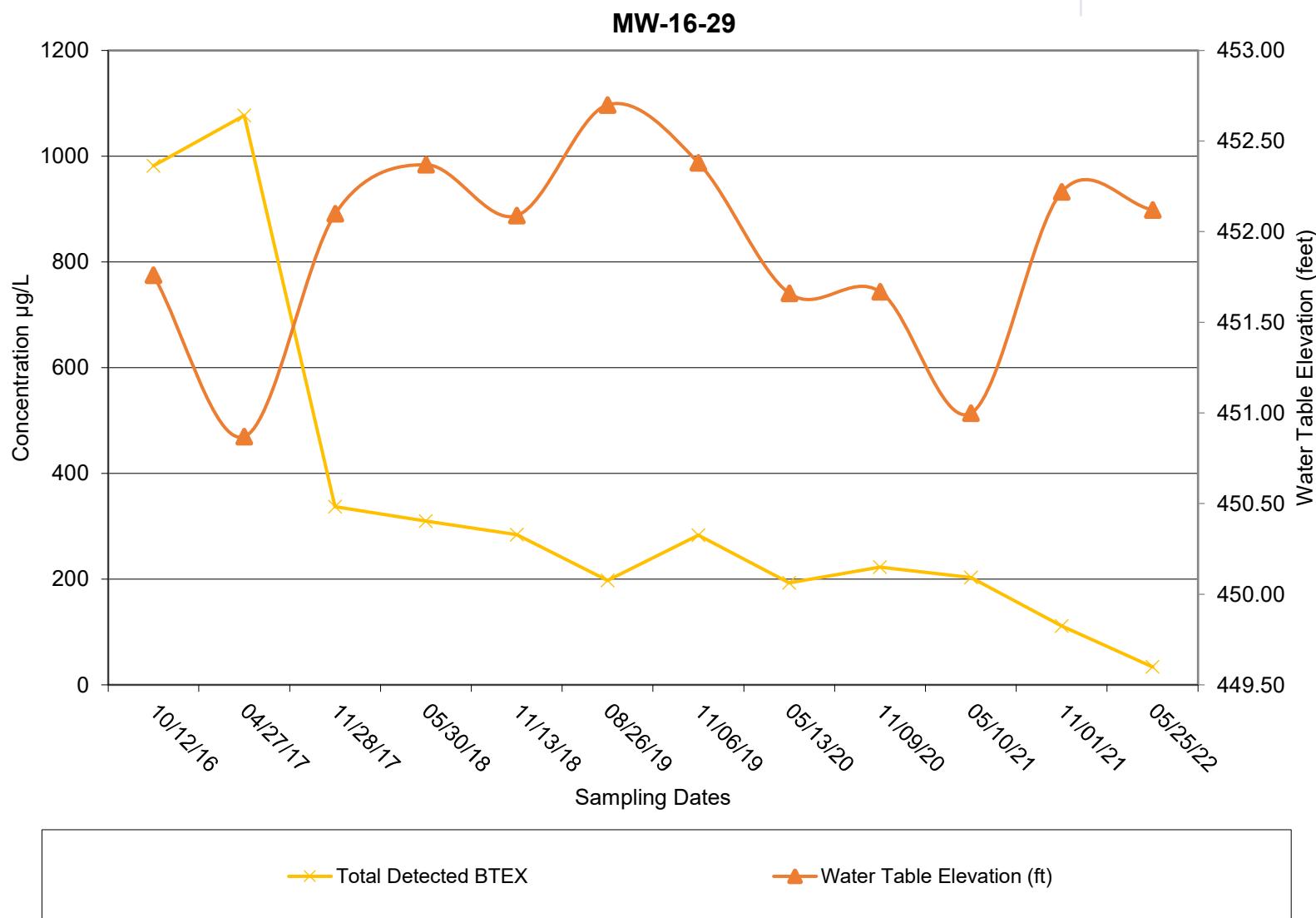
GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



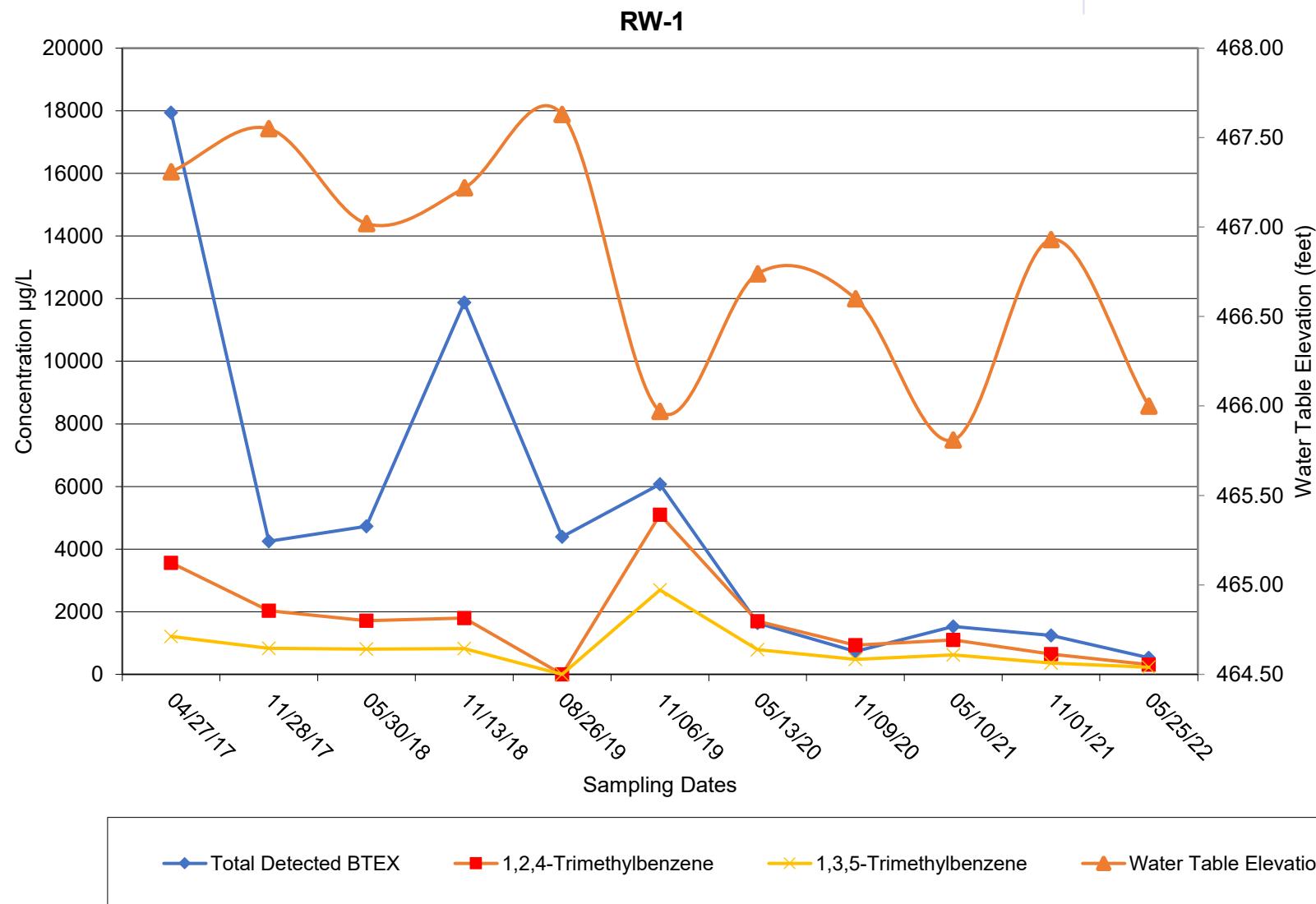
GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



GROUNDWATER QUALITY DATA CHART  
DMS Fuels, LLC (Former Gary's Fuels)  
NHDES #199209012



## **May 2022 Laboratory Analytical Report**

Valerie Carr  
Horizons Engineering, Inc.  
34 School Street  
Littleton , NH 03561



Laboratory Report for:

Eastern Analytical, Inc. ID: 243664  
Client Identification: DMS Fuels / 220063  
Date Received: 5/27/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

< : "less than" followed by the reporting limit  
> : "greater than" followed by the reporting limit  
%R : % Recovery

#### Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at [www.easternanalytical.com](http://www.easternanalytical.com) for a copy of our certificates and accredited parameters.

#### References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

  
\_\_\_\_\_  
Lorraine Olashaw, Lab Director

6-10-22  
\_\_\_\_\_  
Date



# SAMPLE CONDITIONS PAGE

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Temperature upon receipt (°C): 5.5

Acceptable temperature range (°C): 0-6

Received on ice or cold packs (Yes/No): Y

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
243664.01	MW-1	5/27/22	5/25/22 09:00	aqueous		Adheres to Sample Acceptance Policy
243664.02	MW-3	5/27/22	5/25/22 10:25	aqueous		Adheres to Sample Acceptance Policy
243664.03	MW-7	5/27/22	5/25/22 11:37	aqueous		Adheres to Sample Acceptance Policy
243664.04	MW-8	5/27/22	5/25/22 11:38	aqueous		Adheres to Sample Acceptance Policy
243664.05	MW-13	5/27/22	5/25/22 12:15	aqueous		Adheres to Sample Acceptance Policy
243664.06	MW-14	5/27/22	5/25/22 12:45	aqueous		Adheres to Sample Acceptance Policy
243664.07	MW-15	5/27/22	5/25/22 10:35	aqueous		Adheres to Sample Acceptance Policy
243664.08	MW-16	5/27/22	5/25/22 11:00	aqueous		Adheres to Sample Acceptance Policy
243664.09	MW-11-26	5/27/22	5/25/22 13:07	aqueous		Adheres to Sample Acceptance Policy
243664.1	MW-16-28	5/27/22	5/25/22 13:32	aqueous		Adheres to Sample Acceptance Policy
243664.11	MW-16-29	5/27/22	5/25/22 12:18	aqueous		Adheres to Sample Acceptance Policy
243664.12	MW-16-30	5/27/22	5/25/22 14:15	aqueous		Adheres to Sample Acceptance Policy
243664.13	MW-16-31	5/27/22	5/25/22 13:30	aqueous		Adheres to Sample Acceptance Policy
243664.14	MW-16-32	5/27/22	5/25/22 09:30	aqueous		Adheres to Sample Acceptance Policy
243664.15	MW-20	5/27/22	5/25/22 14:00	aqueous		Adheres to Sample Acceptance Policy
243664.16	MW-23	5/27/22	5/25/22 13:49	aqueous		Adheres to Sample Acceptance Policy
243664.17	MW-24	5/27/22	5/25/22 10:46	aqueous		Adheres to Sample Acceptance Policy
243664.18	MW-16-34	5/27/22	5/25/22 09:15	aqueous		Adheres to Sample Acceptance Policy
243664.19	RW-1	5/27/22	5/25/22 09:48	aqueous		Adheres to Sample Acceptance Policy
243664.2	Trip Blank	5/27/22	3/24/22 09:00	aqueous		Adheres to Sample Acceptance Policy
243664.21	MW-22	5/27/22	5/25/22 12:37	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-1	MW-3	MW-7	MW-8
Lab Sample ID:	243664.01	243664.02	243664.03	243664.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	5/31/22	5/31/22	6/3/22	5/31/22
Analyst:	SG	SG	JAK	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	12	< 1	2.1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	< 1	55	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	15	< 1	3.4
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	4.7	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	43	< 1	11
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-1	MW-3	MW-7	MW-8
Lab Sample ID:	243664.01	243664.02	243664.03	243664.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	5/31/22	5/31/22	6/3/22	5/31/22
Analyst:	SG	SG	JAK	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	5.4	< 1
mp-Xylene	< 1	< 1	5.1	< 1
o-Xylene	< 1	< 1	1.9	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	1.6	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	1.7	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	98 %R	99 %R	95 %R	98 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R	100 %R	105 %R	100 %R
Toluene-d8 (surr)	101 %R	102 %R	95 %R	102 %R
1,2-Dichloroethane-d4 (surr)	104 %R	101 %R	101 %R	102 %R

MW-7: Diethyl Ether,Carbon disulfide exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

MW-7: Ethylbenzene exhibited recovery above acceptance limits in the Quality Control sample(s).



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-13	MW-14	MW-15	MW-16
Lab Sample ID:	243664.05	243664.06	243664.07	243664.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/3/22	6/1/22	6/1/22	6/1/22
Analyst:	JAK	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	9.2	4.8	< 1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	11	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	10	12	3.1
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	1.7	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	1.4	26	51	15
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-13	MW-14	MW-15	MW-16
Lab Sample ID:	243664.05	243664.06	243664.07	243664.08
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/3/22	6/1/22	6/1/22	6/1/22
Analyst:	JAK	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	1.7	< 1	< 1	< 1
mp-Xylene	2.8	< 1	< 1	< 1
o-Xylene	1.3	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	1.3	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	89 %R	97 %R	97 %R	99 %R
1,2-Dichlorobenzene-d4 (surr)	103 %R	100 %R	100 %R	100 %R
Toluene-d8 (surr)	95 %R	102 %R	103 %R	103 %R
1,2-Dichloroethane-d4 (surr)	104 %R	102 %R	105 %R	104 %R

MW-13: Diethyl Ether,Carbon disulfide exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

MW-14, MW-15, MW-16: Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

MW-13: Ethylbenzene exhibited recovery above acceptance limits in the Quality Control sample(s).



## LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-11-26	MW-16-28	MW-16-29	MW-16-30
Lab Sample ID:	243664.09	243664.1	243664.11	243664.12
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	15	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	4.3	< 1	< 1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	3.3	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	32	24	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	5.6	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	1.6	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	2	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	11	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-11-26	MW-16-28	MW-16-29	MW-16-30
Lab Sample ID:	243664.09	243664.1	243664.11	243664.12
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	6.2	< 1
mp-Xylene	< 1	2.5	1.9	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	16	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	13	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	1.4	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	1.1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	2.4	26	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	100 %R	103 %R	100 %R	99 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	102 %R	100 %R	100 %R
Toluene-d8 (surr)	103 %R	100 %R	101 %R	103 %R
1,2-Dichloroethane-d4 (surr)	109 %R	109 %R	111 %R	103 %R

Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

MW-16-29: sec-Butylbenzene exhibited recovery above acceptance limits in the Quality Control sample(s).



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-16-31	MW-16-32	MW-20	MW-23
Lab Sample ID:	243664.13	243664.14	243664.15	243664.16
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1	3.1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	4.5	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	< 1	< 1	5.2
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	1.6	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	< 1	< 1	14
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-16-31	MW-16-32	MW-20	MW-23
Lab Sample ID:	243664.13	243664.14	243664.15	243664.16
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	5/25/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	4.4	< 1	< 1
o-Xylene	< 1	2.3	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	1.8	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	6.2	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	98 %R	101 %R	101 %R	100 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	98 %R	100 %R	99 %R
Toluene-d8 (surr)	103 %R	103 %R	101 %R	102 %R
1,2-Dichloroethane-d4 (surr)	105 %R	109 %R	108 %R	108 %R

Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-24	MW-16-34	RW-1	Trip Blank
Lab Sample ID:	243664.17	243664.18	243664.19	243664.2
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	3/24/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	20	10	1
Dichlorodifluoromethane	< 2	< 40	< 20	< 2
Chloromethane	< 2	< 40	< 20	< 2
Vinyl chloride	< 1	< 20	< 10	< 1
Bromomethane	< 2	< 40	< 20	< 2
Chloroethane	< 2	< 40	< 20	< 2
Trichlorofluoromethane	< 2	< 40	< 20	< 2
Diethyl Ether	< 2	< 40	< 20	< 2
Acetone	< 10	< 200	< 100	< 10
1,1-Dichloroethene	< 0.5	< 10	< 5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 600	< 300	< 30
Methylene chloride	< 1	< 20	< 10	< 1
Carbon disulfide	< 2	< 40	< 20	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 20	< 10	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 40	< 20	< 2
Isopropyl ether(DIPE)	< 2	< 40	< 20	< 2
tert-amyl methyl ether(TAME)	< 2	< 40	< 20	< 2
trans-1,2-Dichloroethene	< 1	< 20	< 10	< 1
1,1-Dichloroethane	< 1	< 20	< 10	< 1
2,2-Dichloropropane	< 1	< 20	< 10	< 1
cis-1,2-Dichloroethene	< 1	< 20	< 10	< 1
2-Butanone(MEK)	< 10	< 200	< 100	< 10
Bromochloromethane	< 1	< 20	< 10	< 1
Tetrahydrofuran(THF)	< 10	< 200	< 100	< 10
Chloroform	< 1	< 20	< 10	< 1
1,1,1-Trichloroethane	< 1	< 20	< 10	< 1
Carbon tetrachloride	< 1	< 20	< 10	< 1
1,1-Dichloropropene	< 1	< 20	< 10	< 1
Benzene	< 1	< 20	< 10	< 1
1,2-Dichloroethane	< 1	< 20	< 10	< 1
Trichloroethene	< 1	< 20	< 10	< 1
1,2-Dichloropropane	< 1	< 20	< 10	< 1
Dibromomethane	< 1	< 20	< 10	< 1
Bromodichloromethane	< 0.5	< 10	< 5	< 0.5
1,4-Dioxane	< 50	< 1000	< 500	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 200	< 100	< 10
cis-1,3-Dichloropropene	< 0.5	< 10	< 5	< 0.5
Toluene	< 1	1700	77	< 1
trans-1,3-Dichloropropene	< 0.5	< 10	< 5	< 0.5
1,1,2-Trichloroethane	< 1	< 20	< 10	< 1
2-Hexanone	< 10	< 200	< 100	< 10
Tetrachloroethene	1.4	< 20	< 10	< 1
1,3-Dichloropropane	< 1	< 20	< 10	< 1
Dibromochloromethane	< 1	< 20	< 10	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 10	< 5	< 0.5
Chlorobenzene	< 1	< 20	< 10	< 1
1,1,1,2-Tetrachloroethane	< 1	< 20	< 10	< 1



## LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID:	MW-24	MW-16-34	RW-1	Trip Blank
Lab Sample ID:	243664.17	243664.18	243664.19	243664.2
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/25/22	5/25/22	5/25/22	3/24/22
Date Received:	5/27/22	5/27/22	5/27/22	5/27/22
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	6/1/22	6/1/22	6/1/22	6/1/22
Analyst:	SG	SG	SG	SG
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	20	10	1
Ethylbenzene	< 1	310	16	< 1
mp-Xylene	< 1	770	280	< 1
o-Xylene	< 1	370	160	< 1
Styrene	< 1	< 20	< 10	< 1
Bromoform	< 2	< 40	< 20	< 2
IsoPropylbenzene	< 1	< 20	< 10	< 1
Bromobenzene	< 1	< 20	< 10	< 1
1,1,2,2-Tetrachloroethane	< 1	< 20	< 10	< 1
1,2,3-Trichloropropane	< 0.5	< 10	< 5	< 0.5
n-Propylbenzene	< 1	29	23	< 1
2-Chlorotoluene	< 1	< 20	< 10	< 1
4-Chlorotoluene	< 1	< 20	< 10	< 1
1,3,5-Trimethylbenzene	< 1	44	230	< 1
tert-Butylbenzene	< 1	< 20	< 10	< 1
1,2,4-Trimethylbenzene	< 1	180	310	< 1
sec-Butylbenzene	< 1	< 20	< 10	< 1
1,3-Dichlorobenzene	< 1	< 20	< 10	< 1
p-Isopropyltoluene	< 1	< 20	< 10	< 1
1,4-Dichlorobenzene	< 1	< 20	< 10	< 1
1,2-Dichlorobenzene	< 1	< 20	< 10	< 1
n-Butylbenzene	< 1	< 20	< 10	< 1
1,2-Dibromo-3-chloropropane	< 2	< 40	< 20	< 2
1,3,5-Trichlorobenzene	< 1	< 20	< 10	< 1
1,2,4-Trichlorobenzene	< 1	< 20	< 10	< 1
Hexachlorobutadiene	< 0.5	< 10	< 5	< 0.5
Naphthalene	< 2	< 40	< 20	< 2
1,2,3-Trichlorobenzene	< 0.5	< 10	< 5	< 0.5
4-Bromofluorobenzene (surr)	100 %R	101 %R	101 %R	96 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	94 %R	100 %R	101 %R
Toluene-d8 (surr)	101 %R	102 %R	103 %R	103 %R
1,2-Dichloroethane-d4 (surr)	108 %R	108 %R	109 %R	103 %R

Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

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Sample ID: MW-22

Lab Sample ID: 243664.21

Matrix: aqueous

Date Sampled: 5/25/22

Date Received: 5/27/22

Units: ug/L

Date of Analysis: 6/1/22

Analyst: SG

Method: 8260C

Dilution Factor: 1

Dichlorodifluoromethane	< 2
Chloromethane	< 2
Vinyl chloride	< 1
Bromomethane	< 2
Chloroethane	< 2
Trichlorofluoromethane	< 2
Diethyl Ether	< 2
Acetone	< 10
1,1-Dichloroethene	< 0.5
tert-Butyl Alcohol (TBA)	< 30
Methylene chloride	< 1
Carbon disulfide	< 2
Methyl-t-butyl ether(MTBE)	< 1
Ethyl-t-butyl ether(ETBE)	< 2
Isopropyl ether(DIPE)	< 2
tert-amyl methyl ether(TAME)	< 2
trans-1,2-Dichloroethene	< 1
1,1-Dichloroethane	< 1
2,2-Dichloropropane	< 1
cis-1,2-Dichloroethene	< 1
2-Butanone(MEK)	< 10
Bromochloromethane	< 1
Tetrahydrofuran(THF)	< 10
Chloroform	< 1
1,1,1-Trichloroethane	< 1
Carbon tetrachloride	< 1
1,1-Dichloropropene	< 1
Benzene	140
1,2-Dichloroethane	< 1
Trichloroethene	< 1
1,2-Dichloropropane	< 1
Dibromomethane	< 1
Bromodichloromethane	< 0.5
1,4-Dioxane	< 50
4-Methyl-2-pentanone(MIBK)	< 10
cis-1,3-Dichloropropene	< 0.5
Toluene	15
trans-1,3-Dichloropropene	< 0.5
1,1,2-Trichloroethane	< 1
2-Hexanone	< 10
Tetrachloroethene	< 1
1,3-Dichloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane(EDB)	< 0.5
Chlorobenzene	< 1
1,1,1,2-Tetrachloroethane	< 1



# LABORATORY REPORT

EAI ID#: 243664

Client: Horizons Engineering, Inc.

Client Designation: DMS Fuels / 220063

Sample ID: MW-22

Lab Sample ID:	243664.21
Matrix:	aqueous
Date Sampled:	5/25/22
Date Received:	5/27/22
Units:	ug/L
Date of Analysis:	6/1/22
Analyst:	SG
Method:	8260C
Dilution Factor:	1
Ethylbenzene	<b>2.6</b>
mp-Xylene	< 1
o-Xylene	< 1
Styrene	< 1
Bromoform	< 2
IsoPropylbenzene	<b>14</b>
Bromobenzene	< 1
1,1,2,2-Tetrachloroethane	< 1
1,2,3-Trichloropropane	< 0.5
n-Propylbenzene	<b>11</b>
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
1,3,5-Trimethylbenzene	<b>2.3</b>
tert-Butylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
sec-Butylbenzene	<b>2</b>
1,3-Dichlorobenzene	< 1
p-Isopropyltoluene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
n-Butylbenzene	< 1
1,2-Dibromo-3-chloropropane	< 2
1,3,5-Trichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
Hexachlorobutadiene	< 0.5
Naphthalene	<b>8</b>
1,2,3-Trichlorobenzene	< 0.5
4-Bromofluorobenzene (surr)	<b>100 %R</b>
1,2-Dichlorobenzene-d4 (surr)	<b>102 %R</b>
Toluene-d8 (surr)	<b>107 %R</b>
1,2-Dichloroethane-d4 (surr)	<b>111 %R</b>

Bromomethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

sec-Butylbenzene exhibited recovery above acceptance limits in the Quality Control sample(s).

## CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

243664

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC			SVOC			TCLP			INORGANICS			MICRO METALS			OTHER			NOTES MeOH VIAL #
				524.2 524.2 MTBE ONLY	8260 1,4 DIOXANE	624 WICs	8015 GRO	MAWP	TPH8100	L1	L2	8015 DRO	MAFPH	PEST 608 PEST 8081 PCB 8082	OIL & GREASE 1664	TPH 1664	TCLP 1311 ABN METALS VOC PEST HERB BOD	TS TSS TDS	Br Cl F SO <sub>4</sub> NO <sub>3</sub> NO <sub>2</sub> NH <sub>3</sub> TN T. PHOS. O. PHOS.	PH T. RES. CHLORINE SPEC. CON. T.ALK.	COD Phenols TOC DOC	Total Carbo Total Sulfide Reactive Carbo Reactive Sulfide Flashpoint Ignitability
MW-1	5/25 9:00	GW	G	X																		2
MW-3 **	5/25 10:25	GW	G	X																		2
MW-6	No Sample																					0
MW-7	5/25 11:37	GW	G	X																		2
MW-8 **	5/25 11:38	GW	G	X																		2
MW-9	No Sample																					0
MW-10	No Sample																					0
MW-13 **	5/25 12:15	GW	G	X																		2
MW-14 **	5/25 12:45	GW	G	X																		2
MW-15 **	5/25 10:35	GW	G	X																		2

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER;  
WW-WASTE WATERPRESERVATIVE: H-HCl; N-HNO<sub>3</sub>; S-H<sub>2</sub>SO<sub>4</sub>; Na-NaOH; M-MEOH

PROJECT MANAGER: Valerie Carr

COMPANY: Horizons Engineering Inc.

ADDRESS: 34 School St.

CITY: Littleton STATE: NH ZIP: 03561

PHONE: (603) 575-9271 EXT:

E-MAIL: VCarri@horizonsengineering.com

SITE NAME: DMS Fuels

PROJECT #: 220063

STATE: NH MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR

GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #:

PO #:

## QA/QC REPORTING

A B C

MA MCP

TEMP. 5.5 °C  
ICE?  YES  NO

## REPORTING OPTIONS

PRELIMS:  YES OR NO

## ELECTRONIC OPTIONS

 PDF  EXCEL EQUIS

OTHER \_\_\_\_\_

## TURN AROUND TIME

24hr\* 48hr\*

3-4 Days\*

5 Day 7 Day

10 Day

\*Pre-approval Required

METALS: 8 RCRA 13 PP Fe, Mn Pb, Cu

OTHER METALS: \_\_\_\_\_

SAMPLES FIELD FILTERED?  YES  NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

\*\* MOST Project wells

SAMPLER(S): Derrick Carruthers; Kevin Warsaw

Dated: 5/27/13 8:30 AM *M. J. Murphy*

RELINQUISHED BY: DATE: TIME: RECEIVED BY:

RELINQUISHED BY: DATE: TIME: RECEIVED BY:

RELINQUISHED BY: DATE: TIME: RECEIVED BY:

SITE HISTORY: \_\_\_\_\_

SUSPECTED CONTAMINATION: \_\_\_\_\_

FIELD READINGS: \_\_\_\_\_

## CHAIN-OF-CUSTODY RECORD

243664

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	G GRAB / *COMPOSITE	VOC			SVOC			TCLP METALS			INORGANICS			MICRO OTHER			NOTES MEOH VIAL #
				524.2 524.2 STEX 524.2 MTEB ONLY	524.2 024 1,4 Dioxane EDB DBCP	8021B BTEX HALOS	8015B GRO NEGRO MAYPH	8270D 625 SVTGS ABN A BN PAH	TPH8100 L1 L2	8015B DBO MEDRO MAEPH	PEST 608 PCB 608 PEST 808A PCB 8082	OIL & GREASE 1664 TPH 1664	TCLP 1311 ABN METALS VOC PEST HERB	DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)	TS TSS TDS SPEC. CON. Br Cl F SO <sub>4</sub> NO <sub>2</sub> NO <sub>3</sub> NO <sub>2</sub> NO <sub>3</sub>	BOD COD T. Alk.	TKN NH <sub>3</sub> T. Pros. O. Phos. pH T. Res. Chlorine	TEMP. 55 °C ICE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MW-16**	5/25 11:00	GW G	X																2
MW-11-26	5/25 13:07	GW G	X																2
MW-12	NO Sample																		
MW-16-28**	5/25 13:32	GW G	X																
MW-16-29	5/25 12:18	GW G	X																
MW-16-30	5/25 14:15	GW G	X																
MW-16-31**	5/25 13:30	GW G	X																
MW-16-32	5/25 9:30	GW G	X																
MW-20**	5/25 14:00	GW G	X																2
MW-23**	5/25 13:49	GW G	X																2

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER;

WW-WASTE WATER

PRESERVATIVE: H-HCl; N-HNO<sub>3</sub>; S-H<sub>2</sub>SO<sub>4</sub>; Na-NaOH; M-MEOH

PROJECT MANAGER: Valerie Carr  
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 ADDRESS: 34 School St  
 CITY: Littleton STATE: NH ZIP: 03561  
 PHONE: 603-575-9271 EXT:

FAX:  
 E-MAIL: vcarr@horizonengineering.com

SITE NAME: DMS Field

PROJECT #: 230063

STATE:  NH  MA  ME  VT OTHER:REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR  
 GWP OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: PO #:

eastern analytical, inc.  
professional laboratory services

25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER\_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

## CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

243664

SAMPLE I.D.	SAMPLING DATE/TIME	*IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	VOC		SVOC		TCLP		INORGANICS		MICRO METALS		OTHER		NOTES MEOH VIAL #			
				G	GRAB/*COMPOSITE	G	GRAB	624, MTBE ONLY	624, MTBE ONLY	624, MTBE ONLY	624, MTBE ONLY	PCB 608	PCB 608	PCB 608	PCB 608	TOTAL SULFIDE	REACTIVE SULFIDE	FLASHPOINT	IGNITABILITY
MW-24**	5/25 10:46		G	X				8021	8015 GRO	MAPH									
MW-16-34	5/25 9:15	6w G		X				8020	PAH	EDB	DBCP								
RW-1	5/25 9:48	6w G		X				TPH800	LI	L2									
RW-2	NO Sample							8015 DRO	MAEPH										
Trip Blank	3/24/22 9:00							PEST 608	PCB 608										2
MW-22	3/25/22 12:37			X				PEST 8081	PCB 8082										
								OIL & GREASE	TPH 1664										
								TCLP 1311	ABN METALS										
								IVOC	PEST HERB										
								BOD	BOD										
								TS	TSS TDS										
								Br	Cl	F	SO <sub>4</sub>								
								NO <sub>3</sub>	NO <sub>2</sub>	NO <sub>2</sub>	NO <sub>3</sub>								
								TKN	NH <sub>3</sub>	TN									
								T. PHOS.	O. PHOS.										
								PH	T. RES. CHLORINE	T.ALK.									
								SPEC. CON.											
								COD	PHENOLS	TOC	DOC								
								TOTAL OXYGEN	TOTAL SULFIDE										
								Reactive Cyanide	Reactive Sulfide										
								FLASHPOINT	IGNITABILITY										
								TOTAL COLIFORM	E. COLI										
								ENTEROCOCCI	ENTEROTROPIC PLATE COUNT										
								DISSOLVED METALS (LIST BELOW)											
								TOTAL METALS (LIST BELOW)											

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER;  
WW-WATER WATERPRESERVATIVE: H-HCl; N-HNO<sub>3</sub>; S-H<sub>2</sub>SO<sub>4</sub>; Na-NaOH; M-MEOH

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PO #:

## QA/QC REPORTING

A B C

MA MCP

TEMP: 5.5 °C  
ICE? Yes No

## REPORTING OPTIONS

PRELIMS:  YES OR NO

## ELECTRONIC OPTIONS

 PDF  EXCEL  EQUIS

OTHER \_\_\_\_\_

## TURN AROUND TIME

24hr\* 48hr\*

3-4 Days\*

5 Day 7 Day

10 Day

\*Pre-approval Required

METALS: 8 RCRA 13 PP Fe, Mn Pb, Cu

OTHER METALS: \_\_\_\_\_

SAMPLES FIELD FILTERED?  YES  NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

\*\* MOST Project Wells

SAMPLER(S): Derrick Cuttress, Kevin Wurzochy

Date: 5/27/22 Time: 8:31 Received By: Valerie Carr

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_

SITE HISTORY: \_\_\_\_\_

SUSPECTED CONTAMINATION: \_\_\_\_\_

FIELD READINGS: \_\_\_\_\_



Eastern Analytical, Inc.

professional laboratory and drilling services