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December 6, 2016

Ms. Shay Hartley
IDEM Office of Land Quality/ LUST Section
100 North Senate Avenue, Room 1101
Indianapolis, IN 46204-2251

*Ref:* *Quarterly Groundwater Monitoring Report*
*Former McIntosh Energy*
*3805 Maumee Ave.*
*FID #7777*
*Incident #2009-12509*

Dear Ms. Hartley:

This letter transmits one compact disk and two hard copies of a report titled *Quarterly Monitoring Report*. The report documents third quarter 2016 groundwater monitoring at the referenced facility.

Please contact me if you have questions.

Sincerely,
**SES Environmental**

Rose Gabet, L.P.G.
Senior Project Manager

Idm/rmg
*cc: Chuck Miller, Operations Manager, Parrish Leasing, Inc.*
2009-145/Qtrly GW trans 3.16

# QUARTERLY MONITORING REPORT
***3rd Quarter, 2016***

**Former McIntosh Energy**
**3805 Old Maumee Avenue**
Fort Wayne, Indiana
FID #7777
Incident #2009-12509

December 6, 2016

*Prepared for:*

Parrish Leasing, Inc.
5104 Old Maumee Avenue
Fort Wayne, Indiana 46803
Attn: Mr. Chuck Miller

*Prepared by:*


Rose Gabet, L.P.G
Senior Project Manager

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## *EXECUTIVE SUMMARY*

Quarterly groundwater monitoring was conducted at the former McIntosh Energy facility on 26-Jul-16 and completed 27-Jul-16. Groundwater samples were collected from thirteen monitor wells and analyzed for VOCs and PAHs.

Groundwater elevations and inferred flow direction are depicted on Figure 5. The depth to groundwater this quarter varied from 5.51 and 13.50 feet. Flow direction is to the northeast.

Groundwater testing results are depicted on Figure 4. Results indicate benzene is the most widespread VOC exceeding residential tap screening levels. The highest benzene concentration was detected at MW-5. The inferred groundwater benzene extent is depicted on Figure 6a.

Naphthalene is the most widespread PAH contaminant exceeding residential tap screening levels. The inferred groundwater naphthalene extent is depicted on Figure 6b.

The hydrocarbon interface probe indicated LPH at MW-13, and MW-SB3. Due to equipment malfunction, LPH was not detected with the interface probe, but was observed upon sampling at MW-9. LPH thickness ranged from 0.03 to 0.74 feet.

LPH was abated five times during second quarter 2016. A compilation of LPH monitoring data is provided in Appendix B and summarized in Section 2.0. The total amount of LPH/water mixture removed since implementing abatement is approximately 2,514 gallons.

The Corrective Action Plan (CAP) was approved by IDEM on 17-Dec-15. SES is proceeding with the installation of the Vacuum Enhanced Recovery (VER) system. System startup is anticipated by December 2016.

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# 1.0 SITE DESCRIPTION

This report documents quarterly groundwater monitoring for petroleum release incident #2009-12509 located at the former McIntosh Energy Mac Card facility, 3805 Old Maumee Avenue, Fort Wayne, Indiana.

This report begins by presenting general site background information. Product abatement will continue until the remediation system is operational. The background section is followed by a summary of groundwater sampling methods, results and conclusions. Project supporting documentation including laboratory testing results, historical, and LPH abatement data are included in the appendices.

## 1.1 Regional Location

- The property is owned by GGS&D Holding, LLC (Parrish Leasing, Inc.) and is located at the northwest intersection of the State Road 930 (aka Coliseum Boulevard South, formerly US 30) and Washington Boulevard/Maumee Avenue, approximately two miles east of downtown Fort Wayne (Figure 1). Specifically, the site is located in the NW ¼ of Section 8, Township 30 North, Range 13 East, Adams Township, Allen County.

- The Maumee River is located approximately 1,700 feet north of the property and is a regionally significant line of discharge for surface water and groundwater (Figure 1). The Maumee River flows east. An unnamed drainage is located approximately 1,000 feet east of the site. Surface drainage across the property is overland as sheet flow to the north.

## 1.2 Site Location

- The property is located within an industrial area. A metal scrap recycling facility (OmniSource) is located adjacent north, across Old Lincoln Highway. A rail line and municipal wastewater treatment are located further north. State Road 930 is located to the east, with industrial properties beyond. Maumee Avenue is located to the southwest, with an industrial facility beyond. Washington Boulevard is located further south of the property, with a hotel beyond. Industrial properties are located to the west, along Maumee Avenue. An aerial photograph of the property and local surrounding area is provided as Figure 2.

- The site property is triangular in shape and consists of 4.5 acres (Figure 2). The property was developed with three building structures leased for storage. The former property layout depicted on Figure 2 shows building structures on the east, central and west end of the property. A UST was removed from the west end of the property (identified as "1975 UST Closure" on Figure 2) and a UST closure was conducted in 2009 in the east-central portion of the property. The 2009 UST closure is the area of interest and is referred to as "the site". The building to the east has recently been razed.

- Subsurface utilities identified at the site include: high pressure natural gas service, municipal water, sewer, and cable (Figure 3). Natural gas utility enters the site building from the south. A water main extends along the south edge of Old Lincoln Highway to the north. A cable utility is also located beneath Old Lincoln Highway. Electric service generally enters the building through overhead lines.

- A water well log search indicates the nearest supply well is located at the north adjacent property (OmniSource), approximately 500 feet from the site. The static water level for this well was reportedly twelve feet below ground surface. The well was completed in limestone bedrock at a depth of 320 feet. This well is reportedly used for fire suppression purposes.

- The site was operated by McIntosh Energy as an unattended Mac Card retail fueling facility. McIntosh Energy ceased operations in 2005.

- A UST was closed in 1975 at a location on the west side of the property (Figure 2). The exact location and contents of this tank are unknown. However, a dispenser was reportedly associated with the system, indicating the UST was used to store vehicle fuel.

## 1.3 Previous Investigation Summary

Previous investigations are summarized below.

- Two, 12,000-gallon capacity underground gasoline and diesel fuel storage tanks were closed by removal in October 2009 (Figure 2). Approximately 170 tons (120 cubic yards) of fuel contaminated backfill was removed and transported to a landfill for disposal. The final excavation area measured twenty feet east to west, thirty-four feet north to south, and twelve feet deep. After removal, soil confirmation testing results indicated fuel contamination remained at levels exceeding industrial default closure levels (IDCLs) along the southeast, west, and north sidewalls, and along the north bottom of the excavation. Groundwater was encountered within the excavation at a depth between 17 and 18 feet. A water sample collected from the excavation exhibited petroleum concentrations that exceeded existing IDCLs. Tank closure details were provided in a report titled *Underground Petroleum Storage Tank Environmental Closure Assessment*, dated 8-Jan-10.

- Initial Site Characterization (ISC) was conducted in January 2010, and included two soil borings (SB-1 and SB-2) and three permanent monitor wells (MW-1, MW-2, and MW-3) positioned outward from the former 2009 UST closure area (Figure 3). Investigation results indicate native soil consists of sand and silt with interbedded clay layers. Although visual evidence of water typically was not indicated in soil samples until approximately 20 feet, subsequent depth to groundwater measured between nine and ten feet. Groundwater flow direction was calculated to the north. Investigation indicated the lateral extent of soil contamination was defined southeast of the UST area but was undefined to the north, south, and west. Petroleum impact to groundwater also remained undefined to RDCLs in all directions. ISC details were provided in a report titled, *Initial Site Characterization*, dated 16-Feb-10.

- IDEM Correspondence dated 30-Aug-10 requested an additional investigation to complete the lateral characterization of petroleum impact in soil and groundwater.

- FSI was conducted in October 2010 and included a temporary groundwater sample point (SB-3) and four permanent monitor wells (MW-4, MW-5, MW-6, and MW-7). The well screens were installed to span observed groundwater depths (9-10 ft.) indicated during ISC investigation. SB-3 was advanced in an accessible part of the building interior west of the former 2009 UST closure area. Petroleum contaminated soil was vertically delineated to approximately sixteen feet. Groundwater flow direction was calculated to the north, which is consistent with previous findings. Benzene was the only COC in groundwater to exceed the IDCL. Benzene in groundwater was delineated to IDCLs to the south and northwest. MW-6 and MW-7 did not produce sufficient groundwater volume for sampling. Investigation details are provided in a report titled, *Further Site Investigation*, dated 1-Dec-10. An additional groundwater sampling event was recommended.

- IDEM correspondence dated 5-Apr-11 requested additional investigation to complete the lateral characterization of soil and groundwater. Quarterly groundwater sampling was also requested, and low-flow sampling procedures were recommended.

- Quarterly groundwater monitoring was conducted in April 2011 and FSI was conducted in May 2011. Groundwater testing results continued to show benzene as the only fuel constituent to exceed IDCLs. Groundwater flow was to the north. Groundwater recharge at MW-7 was not sufficient to collect the full sample volume for cPAHs. FSI included two soil borings (HA-1 and SB-4 in Figure 3) positioned west and southwest of the former 2009 UST closure area. TPH DRO concentration at SB-4 exceeded the IDCL. Investigation details were provided in a report titled, *Further Site Investigation and Quarterly Groundwater Monitoring*, dated 22-Jun-11. Continued quarterly groundwater monitoring was recommended.

- Quarterly groundwater monitoring was conducted in July 2011. Groundwater flow direction was to the northeast. Again, poor recharge was indicated at MW-7. Naphthalene was the only cPAH compound detected in groundwater; however, detected concentrations did not exceed the IDCL. Benzene was the only COC in groundwater to exceed the IDCL. Groundwater benzene impact extent remained undefined down gradient to the northeast at MW-5. Investigation details are provided in a report titled, *Quarterly Groundwater Monitoring*, dated 7-Sep-11.

- Due to very poor recharge at several well locations, it was determined that site conditions were not acceptable for low flow sampling procedures.

- Quarterly groundwater monitoring was conducted in October of 2011. Groundwater flow direction was to the north. Groundwater samples were collected from all site wells. Naphthalene was the only cPAH compound detected in groundwater; however, concentrations did not exceed the IDCL. Benzene was the only BTEX/MTBE compound in groundwater to exceed the IDCL. Groundwater impact extent was defined to IDCLs. Investigation details are provided in a report titled, *Quarterly Groundwater Monitoring*, dated 31-Jan-12.

- IDEM requested FSI in correspondence dated 17-Nov-11. Specifically, two monitor wells were requested in the 2009 UST closure area, and two soil borings/groundwater samples were requested in the 1975 UST closure area on the west side of the property.

- Quarterly groundwater sampling and further site investigation were conducted in January 2012. Two soil borings (SB-5 and SB-6) were positioned at the 1975 UST closure area. Gasoline-related contaminants were detected in a soil and groundwater sample collected at SB-5. Contamination was not detected at SB-6. Two monitor wells (MW-8 and MW-9) were installed southwest and north of the former 2009 UST closure/site area. Groundwater flow direction was to the north. Groundwater samples were collected from the new and existing monitor wells. Benzene was detected in groundwater collected from MW-9. The lateral extent of groundwater impact remained undefined in the site area. Investigation details are provided in a report titled, *Further Site Investigation & Quarterly Groundwater Monitoring Report* dated 5-Mar-12. An additional groundwater sampling event was recommended prior to conducting further site investigation (FSI).

- IDEM adopted Remediation Closure Guidance (RCG) on 22-Mar-12. The site was transitioned from RISC to RCG by default as corrective action would not be completed by 22-Sep-12. Quarterly groundwater monitoring included RCG parameters beginning in October 2012.

- Quarterly monitoring conducted in July 2012 found LPH at MW-2, MW-5, and MW-9.

- In correspondence dated 6-Aug-12, SES provided IDEM with a FSI proposal to install recovery wells for product abatement, and install monitor wells east and north of MW-9. IDEM denied approval for recovery well installation, and indicated approval for monitor wells would be determined following agency review of the second quarter 2012 groundwater monitoring report.

- IDEM approved the installation of proposed monitor wells east and north of MW-9 in a FSI request letter dated 25-Sep-12. The agency also requested further investigation at the 1975 UST closure area.

- Further site investigation was conducted in November 2012 and included five soil borings/temporary sample points designated SB7 through SB11 at the 1975 UST closure area. Both soil and groundwater contamination extents were delineated in this area. The impact area was determined to be approximately 90 feet north-south, by 50 feet east-west. Monitor wells MW-10 through MW-13 were also installed in November 2012 at the former 2009 UST closure area. The extent of contamination remained undefined to the north in the site area. Details were provided in a *Further Site Investigation & Quarterly Groundwater Monitoring Report*, dated 10-May-13.

- IDEM removed the requirement to sample groundwater for ethylene dibromide (EDB) using SW 846 method 8011 in February 2013.

- In correspondence dated 4-Mar-13, IDEM was notified the product thickness near the north site boundary (at recently installed MW-13) measured approximately five feet. The agency approved free product removal using a mobile VER unit and requested a free product abatement report.

- A *Free Product Abatement Report*, dated 15-Apr-13 documented product abatement efforts conducted 5-Mar-13 and 28-Mar-13. Measured product thicknesses ranged from over seven feet prior to abatement, to a maximum of 1.17 feet on 2-Apr-13. Product abatement has been on-going (see Section 4.0).

- A FSI was conducted in June, September, and October of 2013 and January of 2014. Monitor well MW-14 was installed to the northeast, soil borings B1 through B3 were advanced in the north right of way of Old Lincoln Highway, borings B-4 and B-5 to the south and southwest, monitor wells MW-7R, MW-8R, and MW-SB3 were installed, per IDEM request (Figure 3). Soil borings were advanced off-site to the north (Omni Source property) where evidence of a separate release was encountered. IDEM suspended further investigation to the north. Details were provided in a *Site Characterization* report, dated 17-Mar-14.

- IDEM provided site characterization approval in 21-May-14 correspondence. The agency requested: 1) an additional boring and monitor well in the SB4 area, 2) a closure strategy for the 1975 closure area, 3) dissolved lead analysis to replace total lead analysis in the next sampling event, and 4) no samples from wells with measurable product. The requested sampling changes were implemented during the third quarter, 2014 monitoring event.

- A permanent monitor well designated MW-15 and soil boring SB4a were advanced on 2-Jun-14 per IDEM request (Figure 3). MW-15 was advanced west of the SB-4 location for lateral soil and groundwater delineation. A groundwater sample was collected from MW-15. SB-4a was advanced near the SB-4 location to confirm vertical soil delineation. This investigation was documented in the *Additional Investigation and Work Plan for Vacuum Enhanced Recovery (VER) Pilot Test* report dated 4-Nov-14.

- LPH was encountered beneath the site building at MW-SB3 on 14-Jul-14. In response, IDEM requested a work plan to conduct vapor intrusion investigation. The approved vapor intrusion investigation was also documented in the work plan for VER pilot test report dated 4-Nov-14.

- IDEM approved the work plan for the VER pilot test on 29-Jan15. The VER pilot testing was completed in April 2015. A corrective action plan (CAP) was submitted 8-Oct-15.

- In April 2015 the garage overlying MW-SB3, and loading dock building area to the north were demolished. IDEM requested an ambient air and sub-slab air sample from the occupied Bell Transport area, west of the former loading dock.

- Vapor Intrusion investigation was conducting during the winter months with results submitted in a letter report dated 7-Jul-15. Testing results did not exceed commercial standards. As such, vapor intrusion potential does not appear to be a significant concern.

- IDEM approved the corrective action plan in correspondence dated 17-Dec-15. VER wells have been installed. Trenching and conveyance line installation was completed in May. System startup is anticipated in early December.

## 2.0 FREE PRODUCT RECOVERY

Free-phase petroleum product has been encountered at MW-9, MW-11, MW-13, and MW-SB3. Free product was observed at MW-9, MW-13, and MW-SB3 during the third quarter 2016 sampling event. The total volume recovered to date as well as the total volume recovered during the third quarter are provided below in Table 1. LPH was abated five times during the third quarter 2016 (from July 2016 to September 2016). Approximately 5.5 gallons of LPH/water was abated this quarter. Approximately 2,516

gallons of LPH/water mixture has been removed since abatement was initiated in March 2013. Compilation data for free product recovery is provided in Appendix B. Field data for product abatement has been provided in Appendix E with the quarterly monitoring notes and laboratory data.

**Table 1. Free Product Recovery**
Parrish Leasing (Former McIntosh Energy), 3805 Old Maumee, Fort Wayne, Indiana

| WELL | MW-2 | MW-5 | MW-9 | MW-11 | MW-13 | MW-SB3 |
|---|---|---|---|---|---|---|
| Total Volume to Date (gallons) | 9.6 | 9.5 | 45.35 | 19.25 | 83.5 | 17 |
| 3rd quarter 2016 (gallons) | 0 | 0 | 3.75 | 1.25 | 0.5 | 0 |

## 3.0 ACTIVE REMEDIATION SYSTEM INFORMATION

As previously noted in Section 1.0, the remediation system is not yet in operation at the site. System delivery was 9-Nov-16 and startup is anticipated by December 2016. All recovery wells and conveyance lines have been installed and documented in a *Corrective Action Plan Implementation (CAPI) Report (Subgrade Activities)*, dated 3-Oct-16.

## 4.0 SAMPLING METHOD DESCRIPTION

Sixteen monitor wells (MW-1 through MW-15 and MW-SB3) were installed to evaluate groundwater quality and flow direction. Existing monitor wells consist of 3/4-inch diameter, PVC riser casing, and 0.010 machine slotted pre-pack screen.

Groundwater monitoring was conducted 26-Jul-16 and 27-Jul-16. Monitoring was initiated by removing well caps and allowing water levels to equalize with atmospheric pressure for at least thirty minutes. The depth to water was then measured at each well using an electronic water level probe with an accuracy of 0.01 feet. LPH had previously been detected at the MW-2, MW-5, MW-9, MW-11, MW-13, and MW-SB3 locations. A hydrocarbon interface probe was used to measure depth to water and depth to product at these locations. The interface probe indicated LPH was present at the MW-13 and MW-SB3 locations; however, an equipment malfunction occurred on 27-Jul-16 when measuring depth to product and depth to water at MW-9. Product did not register on the interface probe, but was present when checked with a bailer.

Following gauging, groundwater samples were obtained using a disposable polyethylene bailer at each well location that did not contain visible product. Approximately three well volumes were purged prior to sampling.

Groundwater was discharged directly from the bailer into two, 40 mL vials containing hydrochloric acid (HCl) as a preservative, leaving no head space, and submitted for VOC analysis in accordance with SW846 Method 8260. Additional sample volume was discharged into three, 40 mL unpreserved amber vials and submitted for PAH analysis in accordance with SW846 Method 8270.

Quality control (QC) samples were prepared and consisted of a trip blank and a blind duplicate. The trip blank was prepared by filling two, 40-mL vials containing HCl with distilled water. This sample was analyzed for VOCs. The trip blank remained with the groundwater samples during sample collection and transport to the laboratory. The duplicate sample was collected from MW-11 and labeled “MW-20”. This sample was analyzed for VOCs and PAHs.

All samples were labeled, entered into the chain-of-custody document, and placed in a cooler containing ice for transport to ENVision Laboratories located in Indianapolis, Indiana. Chain of custody documentation was maintained.

Depth to water measurements ranged between 5.51 and 13.50 feet below top of casings on 26-Jul-16 and 27-Jul-16. Well casing elevations, static water level measurements, and relative groundwater elevations are presented in the following table. The groundwater elevation at MW-7R appears anomalous and is omitted from the groundwater flow determination.

**Table 2. Current Groundwater Gauging (July 2016)**
Parrish Leasing (Former McIntosh Energy), 3805 Old Maumee, Fort Wayne, IN

| Well ID | Top of Casing Elevation | Depth to Groundwater | Depth to Product | Groundwater Elevation | Free Product Thickness | Monitoring Well Depth | Monitoring Well Screen Interval |
|---|---|---|---|---|---|---|---|
| MW-1 | 100.00 | 8.93 | - | 91.07 | 0.00 | 17 | 7-17 |
| MW-2 | 99.06 | 8.88 | - | 90.18 | 0.00 | 17 | 7-17 |
| MW-3R | 97.65 | 7.54 | - | 90.11 | 0.00 | 14 | 4-14 |
| MW-4 | 94.70 | 5.51 | - | 89.19 | 0.00 | 14 | 4-14 |
| MW-5 | 95.08 | 6.03 | - | 89.05 | 0.00 | 14 | 4-14 |
| MW-6 | 98.83 | 9.22 | - | 89.61 | 0.00 | 13 | 3-13 |
| MW-7R | 101.60 | 12.13 | - | 89.47 | 0.00 | 20 | 10-20 |
| MW-8R | 103.23 | 12.75 | - | 90.48 | 0.00 | 20 | 10-20 |
| MW-9 | 94.05 | 6.65 | - | 87.40 | 0.00 | 14 | 4-14 |
| MW-10 | 95.40 | 9.61 | - | 85.79 | 0.00 | 14 | 4-14 |
| MW-11 | 93.29 | 8.90 | 8.87 | 84.41* | 0.03 | 14 | 4-14 |
| MW-12 | 93.74 | 7.58 | - | 86.16 | 0.00 | 14 | 4-14 |
| MW-13 | 93.49 | 6.64 | 6.55 | 86.92* | 0.09 | 14 | 4-14 |
| MW-14 | 95.32 | 9.72 | - | 85.60 | 0.00 | 14 | 4-14 |
| MW-15 | 103.15 | 12.57 | - | 90.58 | 0.00 | 20 | 10-20 |
| MW-SB3 | 103.35 | 13.50 | 12.76 | 90.42* | 0.74 | 20 | 10-20 |

*Elevation corrected for LPH thickness, assuming gas/diesel mixture density of 0.775
*All units in feet*

## 5.0 DATA DISCUSSION AND RESULTS

Thirteen groundwater samples were collected during the July 2013 quarterly groundwater sampling event. Groundwater testing results are summarized in the following table, and are also depicted on Figure 4. A complete laboratory testing report is included in Appendix E.

**Table 3. Current Groundwater Data (July 2016)**
Parrish Leasing (Former McIntosh Energy), 3805 Old Maumee, Fort Wayne, IN

| *All results in µg/l* | **Benzene** | **n-Butylbenzene** | **Sec-Butylbenzene** | **Chlorobenzene** | **Ethylbenzene** | **Isopropylbenzene (Cumene)** | **p-Isopropyltoluene** | **MTBE** | **n-Propylbenzene** | **Toluene** | **1,2,4-Trimethylbenzene** | **1,3,5-Trimethylbenzene** | **Xylenes** | **Acenaphthene** | **Benzo(a)pyrene** | **Benzo(b)fluoranthene** | **Benzo(k)fluoranthene** | **Fluorene** | **1-Methlnaphthalene** | **2-Methylnaphthalene** | **Naphthalene** | **Phenanthrene** | **Pyrene** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening* | ***5*** | ***1,000*** | ***2,000*** | | ***700*** | ***450*** | | ***140*** | ***25*** | ***1,000*** | ***15*** | ***120*** | ***10,000*** | ***530*** | ***0.2*** | ***0.34*** | ***3.4*** | ***290*** | ***11*** | ***36*** | ***1.7*** | | ***120*** |
| *Residential Vapor Intrusion Screening* | *28* | | | | | | | | | | | | | | | | | | | | *110* | | |
| *Commercial Vapor Intrusion Screening* | *120* | | | | | | | | | | | | | | | | | | | | *460* | | |
| MW-1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-2 | **130** | <5 | 8.65 | <5 | 101 | 17.5 | <5 | <5 | 22.5 | <5 | **25.3** | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | **103** | **141** | **126** | 7.49 | <1 |
| MW-3R | **671** | <5 | <5 | <5 | 35.8 | <5 | <5 | <5 | <5 | 8.35 | 12.5 | <5 | 29.0 | <1 | <0.1 | <0.1 | <0.1 | <1 | 6.29 | 3.53 | **13.9** | <1 | <1 |
| MW-4 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-5 | **854** | 10.4 | 11.1 | <5 | 111 | 13.8 | 19.8 | <5 | 23.0 | 73.6 | <5 | <5 | 230 | <1 | <0.1 | <0.1 | <0.1 | <1 | **128** | **144** | **115** | 65.5 | <1 |
| MW-6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | 0.19 | 0.23 | 0.19 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-7R | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-8R | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | 2.67 | <0.1 | <0.1 | <0.1 | 1.93 | <1 | <1 | <1 | <1 | <1 |
| MW-9 | LPH | | | | | | | | | | | | | | | | | | | | | | |
| MW-10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-11 | **196** | <5 | 8.09 | <5 | 120 | 18.9 | 7.30 | 6.09 | **27.7** | 16.1 | **71.5** | 19.9 | 191 | <1 | <0.1 | <0.1 | <0.1 | 7.40 | **107** | **132** | **93.0** | 23.2 | 1.27 |
| MW-12 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-13 | LPH | | | | | | | | | | | | | | | | | | | | | | |
| MW-14 | <5 | <5 | <5 | 12.4 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| MW-SB3 | LPH | | | | | | | | | | | | | | | | | | | | | | |
| MW-20 duplicate of MW-11 | **198** | <5 | 6.73 | <5 | 115 | 14.4 | 6.67 | 5.96 | 21.5 | 15.1 | **72.2** | 19.4 | 189 | <1 | <0.1 | <0.1 | <0.1 | 24.4 | **196** | **311** | **115** | 32.0 | 5.43 |
| Trip Blank | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | Sample analysis for VOCs only | | | | | | | | | |

Concentrations exceeding screening levels in **BOLD.** Concentrations exceeding residential vapor intrusion screening levels underlined.

Groundwater elevations and inferred flow direction are depicted in Figure 5. The depth to groundwater varied from 5.51 to 13.50 feet. Flow direction is to the northeast.

Quality control is summarized as follows.

- Samples were analyzed within the respective hold times.
- Sample temperature on arrival to the laboratory was acceptable at 4˚C.
- The MW-11 groundwater sample results are comparable to the duplicate, MW-20.
- Petroleum constituents were not detected in the trip blank.
- Several samples had to be diluted for analysis.
- Analyst quality control comments are provided on the last page of the laboratory report.

Based on Table 3 VOC and PAH testing results, tap screening levels are exceeded in at least two locations for MW-2, MW-3R, MW-5, and MW-11. Reported benzene and naphthalene concentrations exceed the residential tap water screening level and residential vapor intrusion screening levels at two or more locations.

The benzene distribution (Figure 6a) indicates tap screening level exceedances at MW-2, MW-3R, MW-5 and MW-11. It is assumed that monitor wells with LPH also exceed the tap screening level. Benzene is defined in all directions by non-detect results except north of MW-11 and MW-13 and west of MW-SB3. All detected benzene results exceed the commercial vapor intrusion screening level.

The naphthalene distribution (Figure 6b) indicates tap screening level exceedances at MW-2, MW-3R, MW-5, and MW-11. Monitor wells with LPH detection are assumed to exceed the tap screening level. The residential vapor intrusion screening level is exceeded at MW-2 and MW-5.

Groundwater compilation tables are provided in Appendix B. Since October 2014, average elevations have varied between 88.58 and 90.51 feet. Groundwater elevation variability may result in variable contaminant concentrations and LPH thickness.

As indicated in Table 3, compounds of concern exceeding both the tap screening level and vapor intrusion screening levels include benzene and naphthalene. Other contaminants of concern exceeding screening levels include 1,2,4-trimethylbenzene (1,2,4-TMB), 1-methylnaphthalene, and 2-methylnaphthalene. Graphs depicting the last eight groundwater monitoring events at MW-2, MW-3R, and MW-5 are provided in Appendix D and summarized below.

- Evaluation of the MW-2 benzene, naphthalene, 1,2,4-TMB, 1-methylnaphthalene, and 2-methylnaphthalene data indicate no statistically significant trends; however, general decreasing concentrations are suggested for all except the benzene graph.

- Contaminants exceeding screening levels at MW-3R include benzene, naphthalene, and 1,2,4-TMB. A statistically significant decreasing trend is indicated for the 1,2,4-TMB concentrations. Remaining compound plots suggest decreasing trends; however, the trends are not statistically significant.

- Contaminants exceeding screening levels at MW-5 include benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. Statistically significant trends were not indicated and the plots suggest concentrations may be increasing.

## 6.0 CONCLUSIONS

Monthly product abatement will continue until the remediation system is operable. System delivery occurred 9-Nov-16. Final water, sewer, and electric hook up and inspections are being scheduled. System startup is expected in December. SES will continue quarterly monitoring.

QUARTERLY MONITORING REPORT

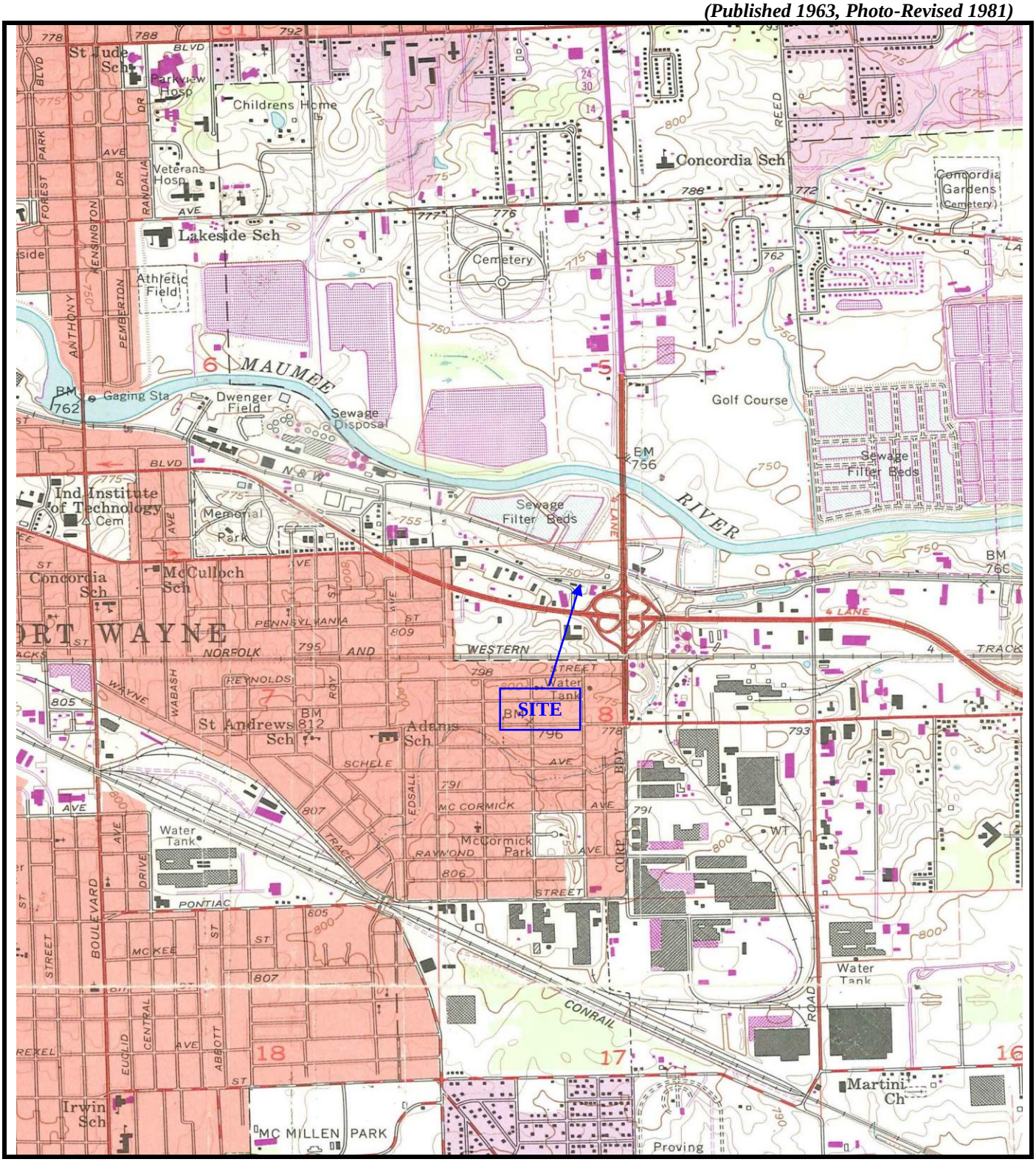
# FIGURES

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509

**7.5 Minute Quadrangle Map** **Fort Wayne East, Indiana**

***(Published 1963, Photo-Revised 1981)***




SCALE 1:24000 (1"=2,000')

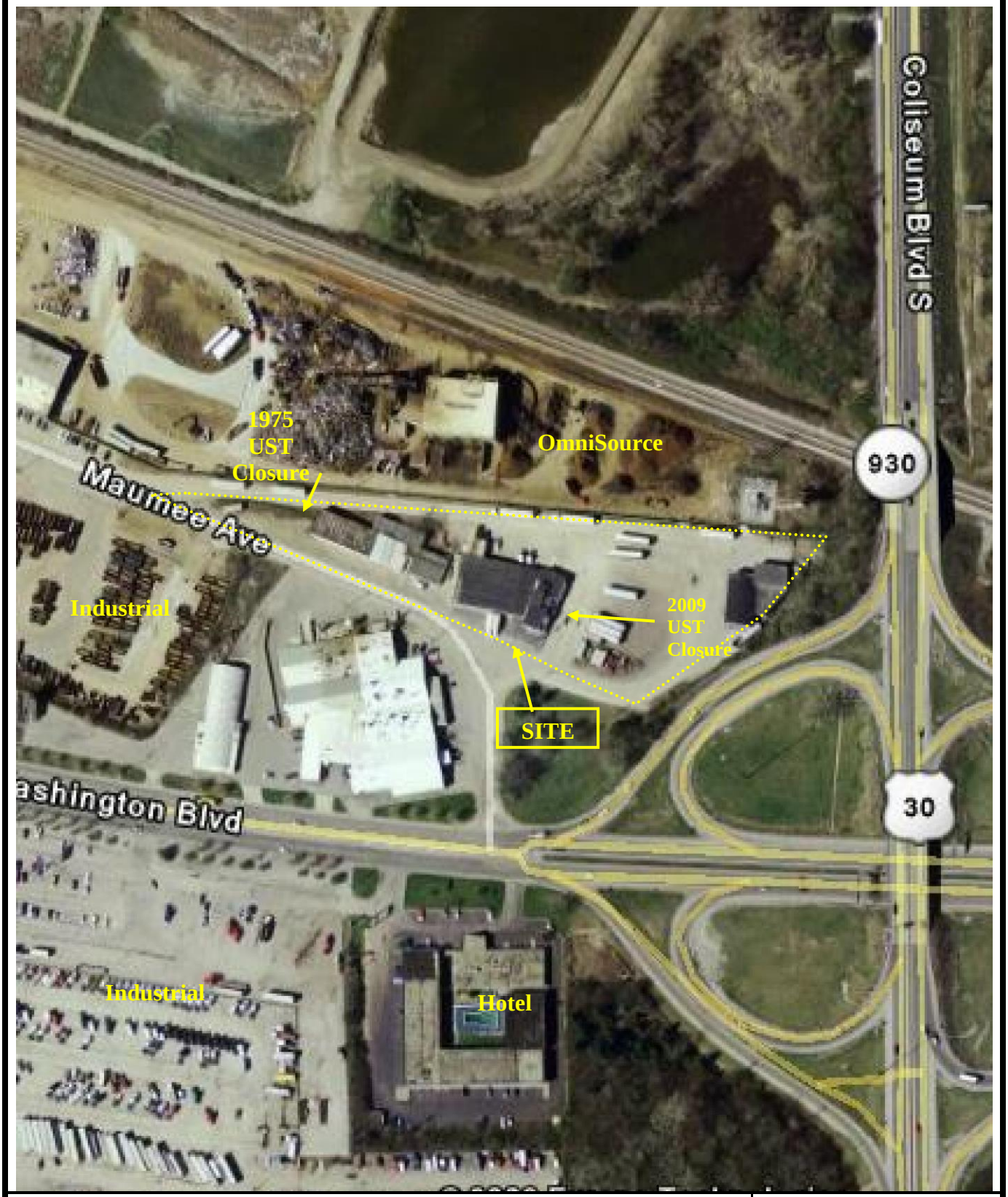
1 ½ 0 1 Mile

CONTOUR INTERVAL 5 FEET

Site Boundaries Shown are Approximate

**Topographic Map** **Figure 1**

Parrish Leasing
3805 Old Maumee
Fort Wayne, Indiana
SES Project 2009-145



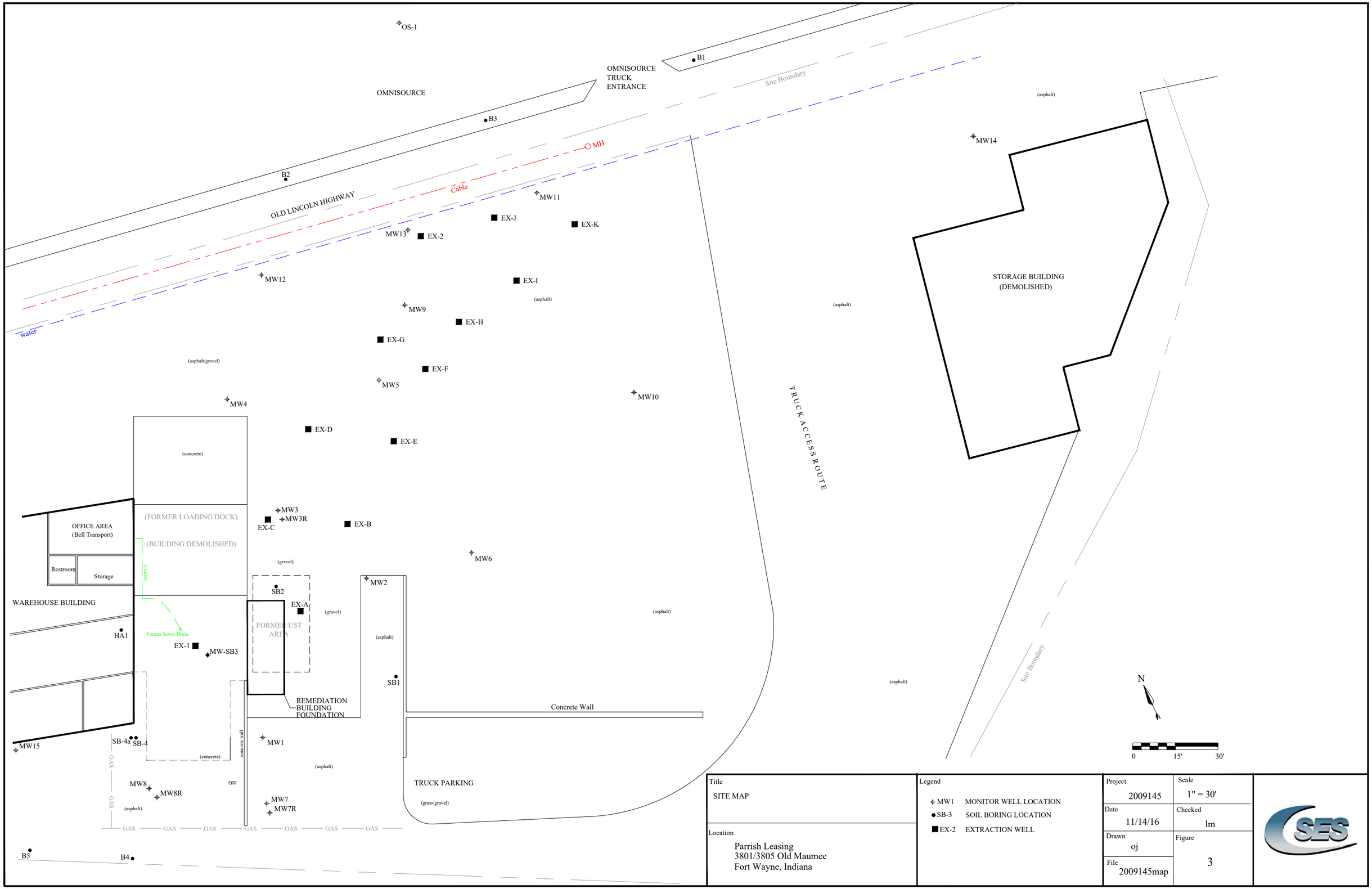

**Regional Photograph**

1 inch = approximately 250 feet

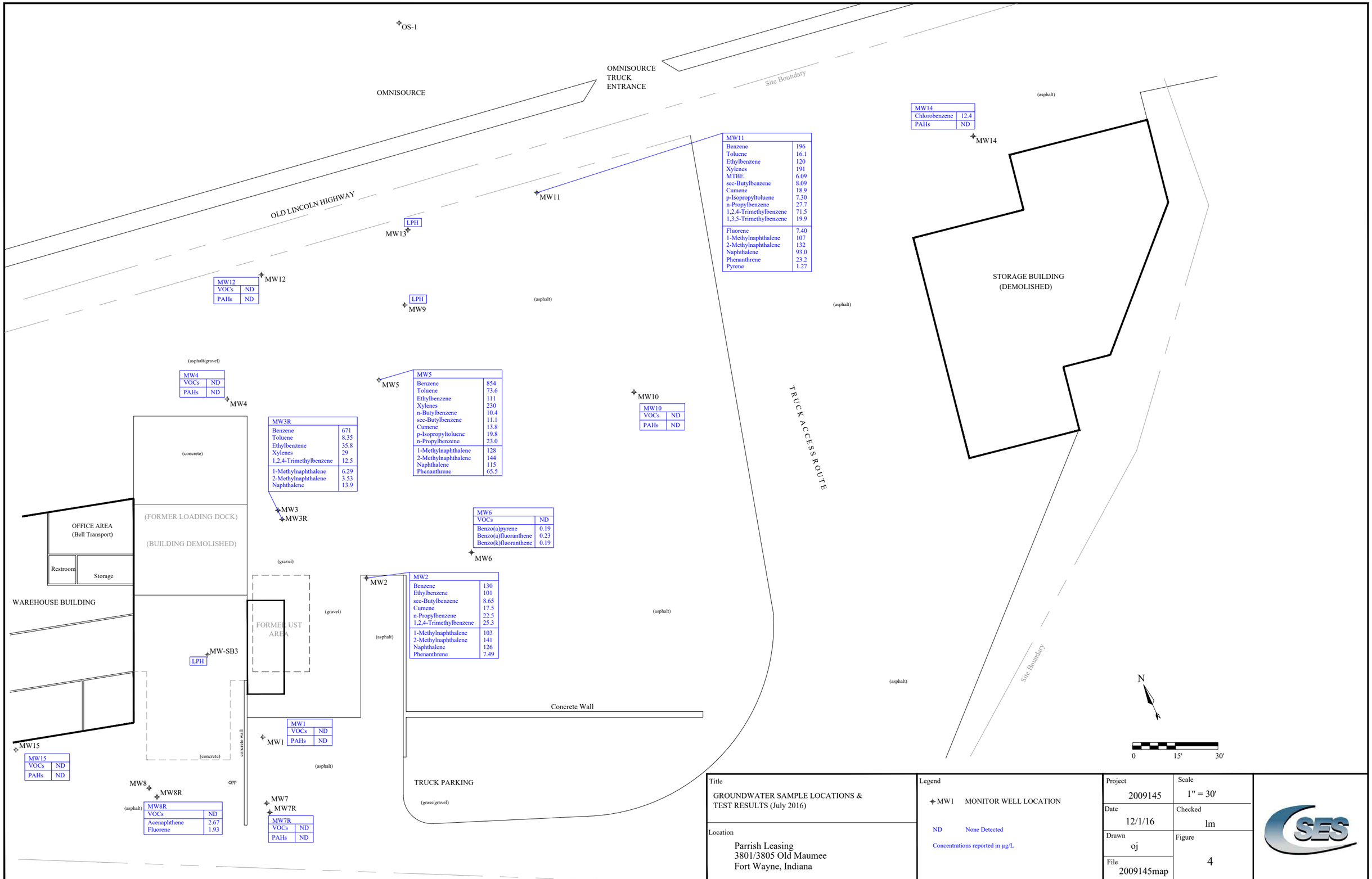
Parrish Leasing, Inc.
3805 Old Maumee Road, Fort Wayne, Indiana

Source: Google Earth
SES Project Number: 2009145

**Figure 2**




| Title | Legend | Project | Scale |
|---|---|---|---|
| SITE MAP | MW1 MONITOR WELL LOCATION<br>SB-3 SOIL BORING LOCATION<br>EX-2 EXTRACTION WELL | 2009145 | 1" = 30' |
| Location | | Date 11/14/16 | Checked lm |
| Parrish Leasing<br>3801/3805 Old Maumee<br>Fort Wayne, Indiana | | Drawn oj | Figure 3 |
| | | File 2009145map | |




Title

GROUNDWATER SAMPLE LOCATIONS & TEST RESULTS (July 2016)

Location

Parrish Leasing
3801/3805 Old Maumee
Fort Wayne, Indiana

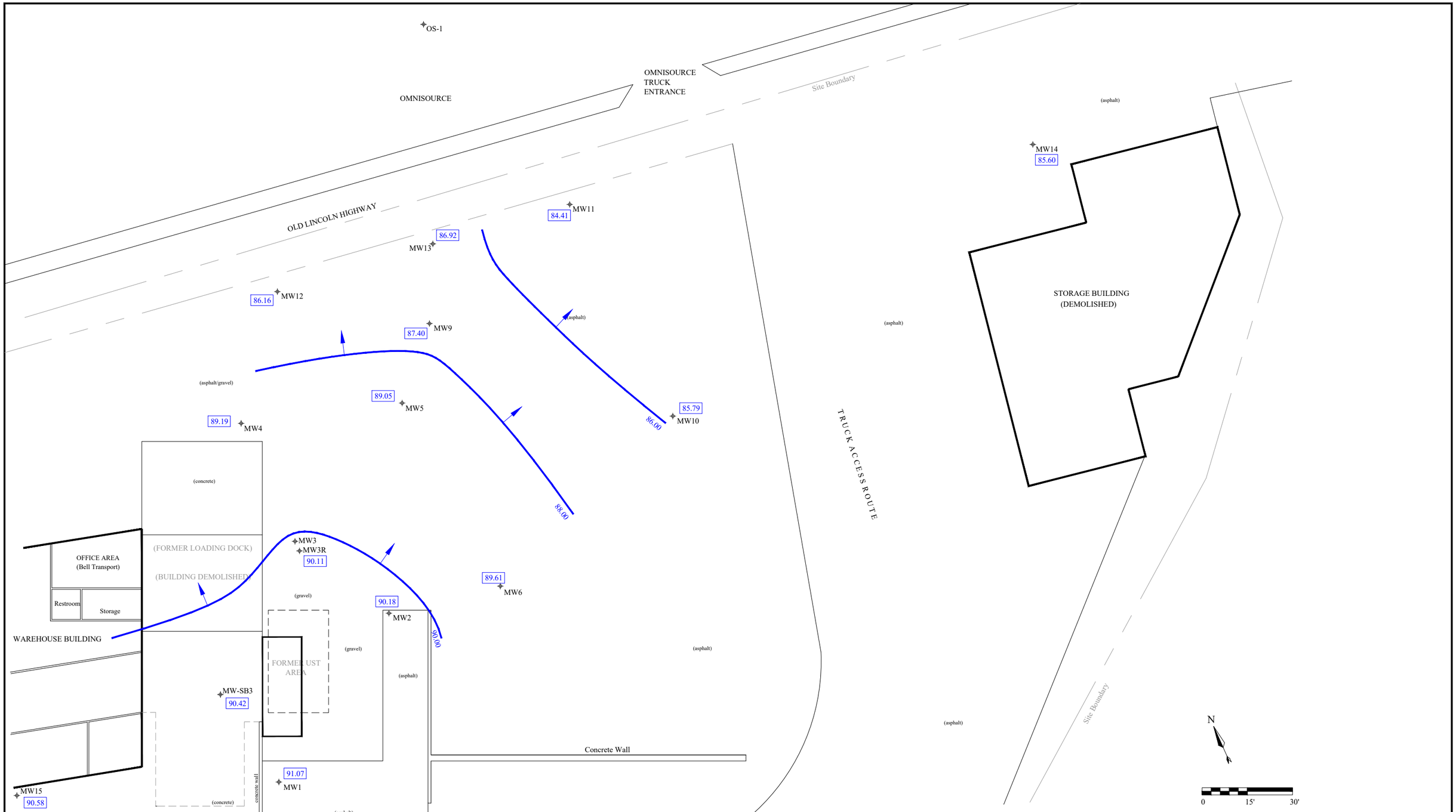
Legend

MW1 MONITOR WELL LOCATION

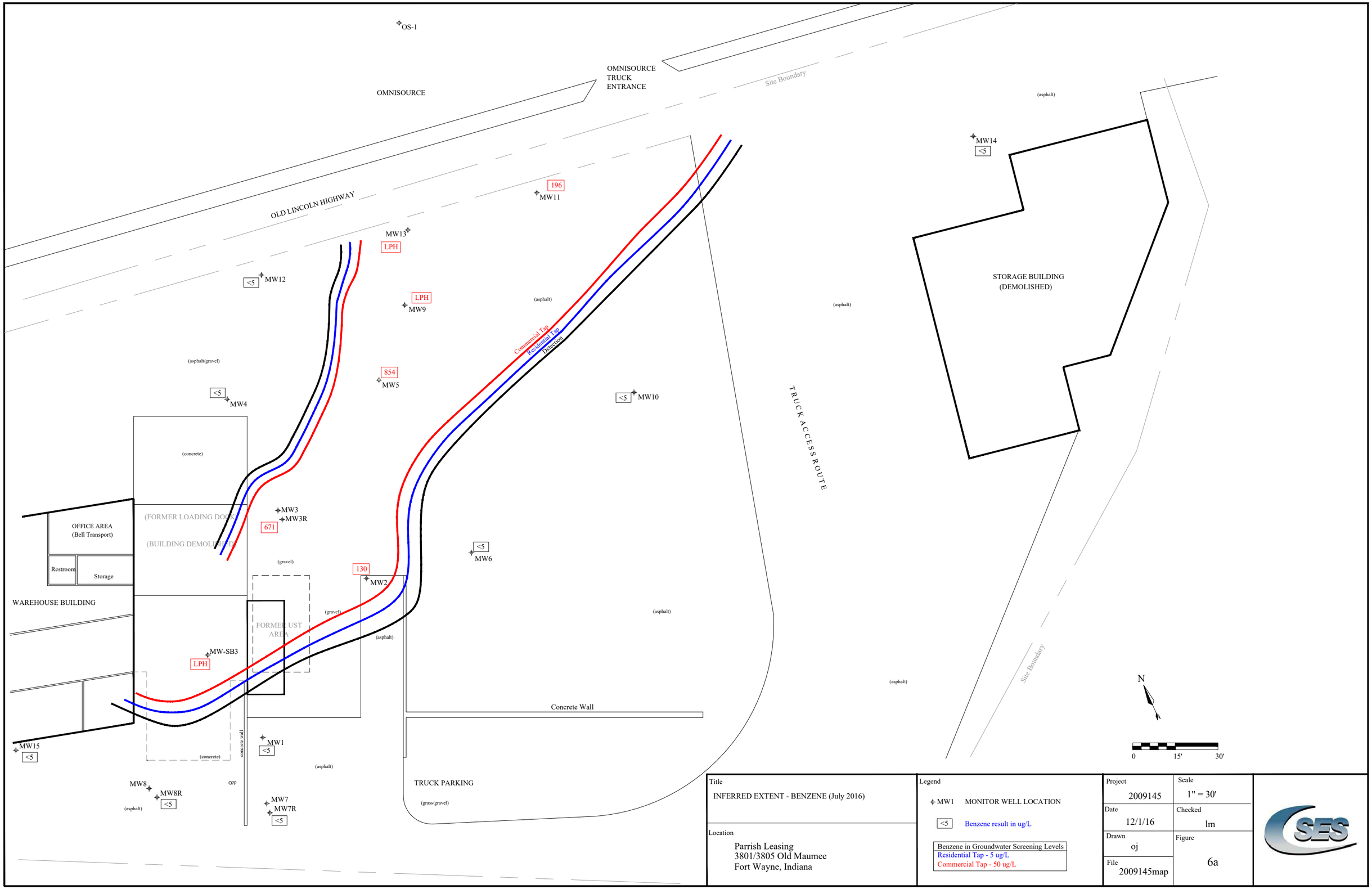
ND None Detected

Concentrations reported in µg/L

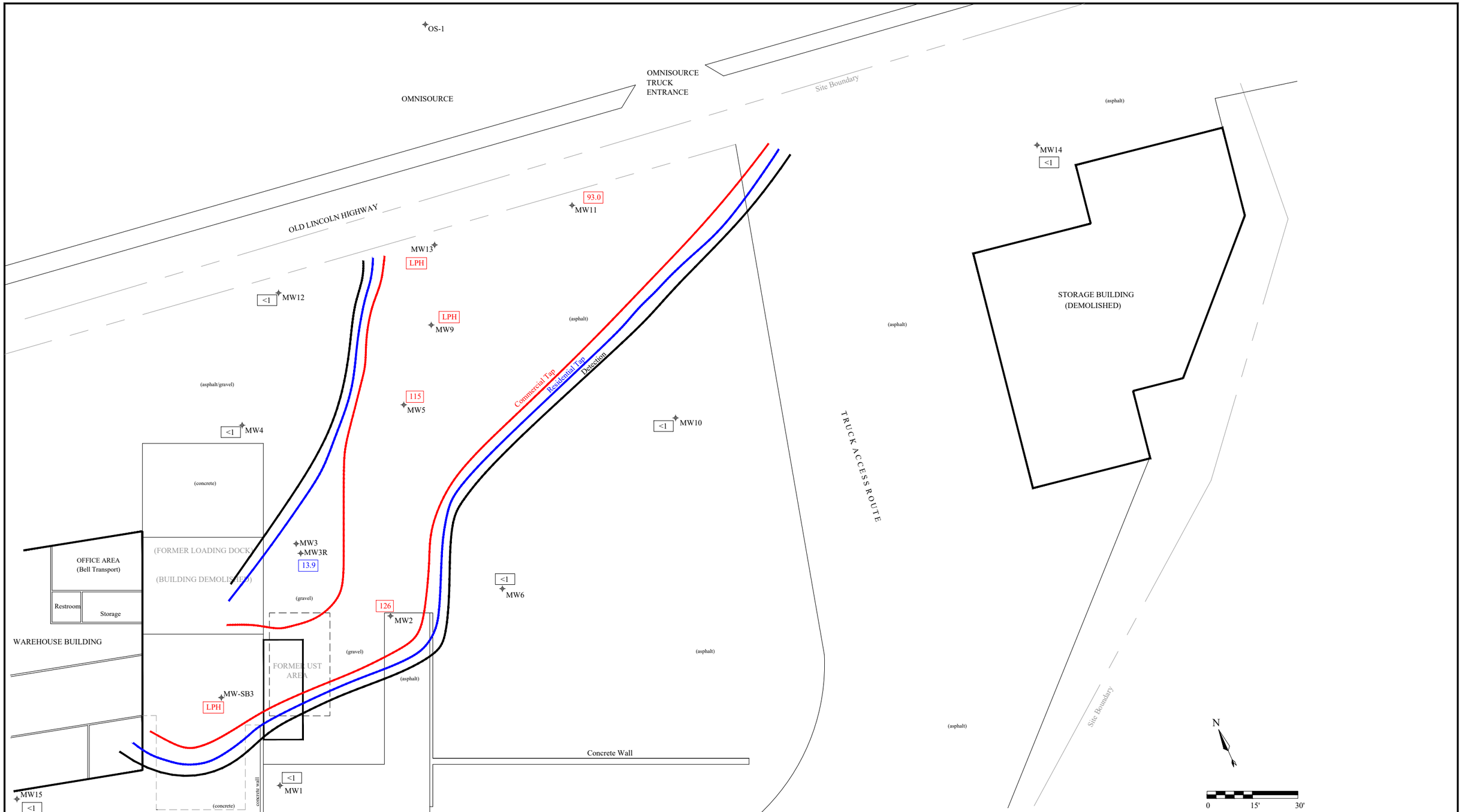
| | |
|---|---|
| Project 2009145 | Scale 1" = 30' |
| Date 12/1/16 | Checked lm |
| Drawn oj | Figure 4 |
| File 2009145map | |




| | | | | |
|---|---|---|---|---|
| Title<br>GROUNDWATER FLOW (July 2016) | Legend<br>MW1 MONITOR WELL LOCATION<br>*Groundwater Elevation at MW-7 Anomalous<br>89.61 Relative Groundwater Elevation (ft)<br>Flow Direction | Project<br>2009145 | Scale<br>1" = 30' | SES |
| Location<br>Parrish Leasing<br>3801/3805 Old Maumee<br>Fort Wayne, Indiana | | Date<br>12/1/16 | Checked<br>lm | |
| | | Drawn<br>oj | Figure<br>5 | |
| | | File<br>2009145map | | |




| Title | Legend | Project | Scale |
|---|---|---|---|
| INFERRED EXTENT - BENZENE (July 2016) | MW1 MONITOR WELL LOCATION<br><5 Benzene result in ug/L | 2009145 | 1" = 30' |
| Location | Benzene in Groundwater Screening Levels<br>Residential Tap - 5 ug/L<br>Commercial Tap - 50 ug/L | Date 12/1/16 | Checked lm |
| Parrish Leasing<br>3801/3805 Old Maumee<br>Fort Wayne, Indiana | | Drawn oj | Figure 6a |
| | | File 2009145map | |




| Title | Legend | Project | Scale |
|---|---|---|---|
| INFERRED EXTENT - NAPHTHALENE (July 2016) | MW1 MONITOR WELL LOCATION<br>13.9 Naphthalene result in ug/L | 2009145 | 1" = 30' |
| Location | Naphthalene in Groundwater Screening Levels<br>Residential Tap - 1.7 ug/L<br>Commercial Tap - 17 ug/L | Date 12/1/16 | Checked lm |
| Parrish Leasing<br>3801/3805 Old Maumee<br>Fort Wayne, Indiana | | Drawn oj | Figure 6b |
| | | File 2009145map | |

QUARTERLY MONITORING REPORT

# APPENDIX A. SYSTEM PERFORMANCE NOT APPLICABLE

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509

QUARTERLY MONITORING REPORT

# APPENDIX B. GROUNDWATER DATA SUMMARY TABLES

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509

**Table B1. Relative Groundwater Elevations**

*Parrish Leasing*
*3805 Old Maumee Avenue*
*Fort Wayne, Indiana*

| Well ID | Relative Elevations (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Relative Groundwater Elevations (feet) |
|---|---|---|---|---|---|
| **MW-1** | 100.00 | 9-Oct-14 | 8.84 | - | 91.16 |
| | | 15-Jan-15 | 8.99 | - | 91.01 |
| | | 30-Apr-15 | 8.33 | - | 91.67 |
| | | 20-Jul-15 | 7.60 | - | 92.40 |
| | | 28-Oct-15 | 9.30 | - | 90.70 |
| | | 26-Jan-16 | 8.03 | - | 91.97 |
| | | 26-Apr-16 | 7.79 | - | 92.21 |
| | | 26-Jul-16 | 8.93 | - | 91.07 |
| **MW-2** | 99.06 | 9-Oct-14 | 8.84 | - | 90.22 |
| | | 15-Jan-15 | 8.74 | - | 90.32 |
| | | 30-Apr-15 | 8.14 | - | 90.92 |
| | | 20-Jul-15 | 6.93 | - | 92.13 |
| | | 28-Oct-15 | 9.31 | - | 89.75 |
| | | 26-Jan-16 | 7.86 | - | 91.20 |
| | | 26-Apr-16 | 7.28 | - | 91.78 |
| | | 26-Jul-16 | 8.88 | - | 90.18 |
| **MW-3/3R** | 97.78 | 9-Oct-14 | 7.68 | - | 90.10 |
| | | 15-Jan-15 | 7.69 | - | 90.09 |
| | 97.65 | 30-Apr-15 | 6.96 | - | 90.69 |
| | | 20-Jul-15 | 5.44 | - | 92.21 |
| | | 28-Oct-15 | 7.85 | - | 89.80 |
| | | 26-Jan-16 | 6.65 | - | 91.00 |
| | | 26-Apr-16 | 6.01 | - | 91.64 |
| | | 26-Jul-16 | 7.54 | - | 90.11 |
| **MW-4** | 94.70 | 9-Oct-14 | 5.45 | - | 89.25 |
| | | 15-Jan-15 | 5.22 | - | 89.48 |
| | | 30-Apr-15 | 4.09 | - | 90.61 |
| | | 20-Jul-15 | 3.26 | - | 91.44 |
| | | 28-Oct-15 | 5.39 | - | 89.31 |
| | | 26-Jan-16 | 4.88 | - | 89.82 |
| | | 26-Apr-16 | 3.96 | - | 90.74 |
| | | 26-Jul-16 | 5.51 | - | 89.19 |
| **MW-5** | 95.08 | 9-Oct-14 | 5.93 | - | 89.15 |
| | | 15-Jan-15 | 5.94 | - | 89.14 |
| | | 30-Apr-15 | 5.68 | - | 89.40 |
| | | 20-Jul-15 | 4.08 | - | 91.00 |
| | | 28-Oct-15 | 6.26 | - | 88.82 |
| | | 26-Jan-16 | 5.45 | - | 89.63 |
| | | 26-Apr-16 | 4.71 | - | 90.37 |
| | | 26-Jul-16 | 6.03 | - | 89.05 |

**Table B1. Relative Groundwater Elevations**

*Parrish Leasing*
*3805 Old Maumee Avenue*
*Fort Wayne, Indiana*

| Well ID | Relative Elevations (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Relative Groundwater Elevations (feet) |
|---|---|---|---|---|---|
| **MW-6** | 98.83 | 9-Oct-14 | 9.19 | - | 89.64 |
| | | 15-Jan-15 | 8.67 | - | 90.16 |
| | | 30-Apr-15 | 7.87 | - | 90.96 |
| | | 20-Jul-15 | 6.84 | - | 91.99 |
| | | 28-Oct-15 | 8.12 | - | 90.71 |
| | | 26-Jan-16 | 7.55 | - | 91.28 |
| | | 26-Apr-16 | 7.09 | - | 91.74 |
| | | 26-Jul-16 | 9.22 | - | 89.61 |
| **MW-7R** | 101.60 | 9-Oct-14 | 12.06 | - | 89.54 |
| | | 15-Jan-15 | 11.70 | - | 89.90 |
| | | 30-Apr-15 | 11.01 | - | 90.59 |
| | | 20-Jul-15 | 9.83 | - | 91.77 |
| | | 28-Oct-15 | 11.91 | - | 89.69 |
| | | 26-Jan-16 | 11.21 | - | 90.39 |
| | | 26-Apr-16 | 10.61 | - | 90.99 |
| | | 26-Jul-16 | 12.13 | - | 89.47 |
| **MW-8R** | 103.23 | 9-Oct-14 | 13.00 | - | 90.23 |
| | | 15-Jan-15 | 12.99 | - | 90.24 |
| | | 30-Apr-15 | 11.52 | - | 91.71 |
| | | 20-Jul-15 | 10.73 | - | 92.50 |
| | | 28-Oct-15 | 12.92 | - | 90.31 |
| | | 26-Jan-16 | 11.24 | - | 91.99 |
| | | 26-Apr-16 | 10.95 | - | 92.28 |
| | | 26-Jul-16 | 12.75 | - | 90.48 |
| **MW-9** | 94.05 | 9-Oct-14 | 5.67 | 5.59 | 88.44 |
| | | 15-Jan-15 | 5.67 | - | 88.38 |
| | | 30-Apr-15 | 5.76 | - | 88.29 |
| | | 20-Jul-15 | 4.22 | 4.07 | 89.95 |
| | | 28-Oct-15 | 6.72 | 5.43 | 88.33 |
| | | 26-Jan-16 | 5.53 | 5.50 | 88.54 |
| | | 26-Apr-16 | 5.63 | 4.85 | 89.02 |
| | | 26-Jul-16 | 6.65 | - | 87.40 |
| **MW-10** | 95.40 | 9-Oct-14 | 9.64 | - | 85.76 |
| | | 15-Jan-15 | Inaccessible | - | - |
| | | 30-Apr-15 | 9.18 | - | 86.22 |
| | | 20-Jul-15 | 7.62 | - | 87.78 |
| | | 28-Oct-15 | 9.51 | - | 85.89 |
| | | 26-Jan-16 | 9.22 | - | 86.18 |
| | | 26-Apr-16 | 8.58 | - | 86.82 |
| | | 26-Jul-16 | 9.61 | - | 85.79 |

**Table B1. Relative Groundwater Elevations**

*Parrish Leasing*
*3805 Old Maumee Avenue*
*Fort Wayne, Indiana*

| Well ID | Relative Elevations (feet) | Date | Depth to Water (feet) | Depth to Product (feet) | Relative Groundwater Elevations (feet) |
|---|---|---|---|---|---|
| **MW-11** | 93.29 | 9-Oct-14 | 9.08 | - | 84.21 |
| | | 15-Jan-15 | 9.35 | 9.28 | 83.99 |
| | | 30-Apr-15 | 8.91 | 8.80 | 84.47 |
| | | 20-Jul-15 | 7.75 | 7.53 | 85.71 |
| | | 28-Oct-15 | 9.31 | 9.00 | 84.22 |
| | | 26-Jan-16 | 9.08 | - | 84.21 |
| | | 26-Apr-16 | 8.27 | 8.26 | 85.81 |
| | | 26-Jul-16 | 8.90 | 8.87 | 85.20 |
| **MW-12** | 93.74 | 9-Oct-14 | 7.45 | - | 86.29 |
| | | 15-Jan-15 | 7.46 | - | 86.28 |
| | | 30-Apr-15 | 6.90 | - | 86.84 |
| | | 20-Jul-15 | 5.88 | - | 87.86 |
| | | 28-Oct-15 | 6.72 | - | 87.02 |
| | | 26-Jan-16 | 6.96 | - | 86.78 |
| | | 26-Apr-16 | 5.84 | - | 87.90 |
| | | 26-Jul-16 | 7.58 | - | 86.16 |
| **MW-13** | 93.49 | 9-Oct-14 | 7.00 | 6.13 | 87.16 |
| | | 15-Jan-15 | 6.97 | 6.24 | 87.09 |
| | | 30-Apr-15 | 7.36 | 6.34 | 86.92 |
| | | 20-Jul-15 | 7.07 | 4.75 | 88.22 |
| | | 28-Oct-15 | 7.43 | 6.57 | 86.73 |
| | | 26-Jan-16 | 6.58 | 6.48 | 86.99 |
| | | 26-Apr-16 | 6.11 | 6.10 | 87.39 |
| | | 26-Jul-16 | 6.64 | 6.55 | 86.92 |
| **MW-14** | 95.32 | 9-Oct-14 | 9.30 | - | 86.02 |
| | | 15-Jan-15 | 9.33 | - | 85.99 |
| | | 30-Apr-15 | 8.72 | - | 86.60 |
| | | 20-Jul-15 | 7.35 | - | 87.97 |
| | | 28-Oct-15 | 8.91 | - | 86.41 |
| | | 26-Jan-16 | 8.90 | - | 86.42 |
| | | 26-Apr-16 | 8.40 | - | 86.92 |
| | | 26-Jul-16 | 9.72 | - | 85.60 |
| **MW-15** | 103.15 | 9-Oct-14 | 12.28 | - | 90.87 |
| | | 15-Jan-15 | 12.39 | - | 90.76 |
| | | 30-Apr-15 | 11.77 | - | 91.38 |
| | | 20-Jul-15 | 10.31 | - | 92.84 |
| | | 28-Oct-15 | 12.69 | - | 90.46 |
| | | 26-Jan-16 | 11.75 | - | 91.40 |
| | | 26-Apr-16 | 11.06 | - | 92.09 |
| | | 26-Jul-16 | 12.57 | - | 90.58 |
| **MW-SB3** | 103.35 | 9-Oct-14 | 13.20 | 12.69 | 90.55 |
| | | 15-Jan-15 | 13.08 | 12.76 | 90.52 |
| | | 30-Apr-15 | 12.29 | - | 91.06 |
| | | 20-Jul-15 | 11.31 | 10.81 | 92.43 |
| | | 28-Oct-15 | 13.74 | 13.10 | 90.11 |
| | | 26-Jan-16 | 12.05 | 11.98 | 91.35 |
| | | 26-Apr-16 | 11.68 | 11.40 | 91.89 |
| | | 26-Jul-16 | 13.50 | 12.76 | 90.42 |

**Groundwater Data Summary - VOCs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Benzene** | **n-Butylbenzene** | **sec-Butylbenzene** | **Ethylbenzene** | **Isopropylbenzene (Cumene)** | **p-Isopropyltoluene** | **MTBE** | **Naphthalene** | **n-Propylbenzene** | **Toluene** | **1,2,4-Trimethylbenzene** | **1,3,5-Trimethylbenzene** | **Xylene (Total)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *5* | *1000* | *2000* | *700* | *450* | *N/A* | *140* | *1.7* | *660* | *1000* | *15* | *120* | *10000* |
| *Residential Vapor Intrusion Screening Level* | | 28 | | | 110 | | | | | | | | | |
| **MW-1** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-2** | 9-Oct-14 | **125** | <5 | 7.78 | 111 | 17.4 | <5 | 8.88 | **112** | 20.5 | <5 | **43.5** | 10.6 | <10 |
| | 15-Jan-15 | **37.6** | <5 | 6.38 | 66.7 | 13.3 | <5 | 7.47 | **66.2** | 16.4 | <5 | **17.5** | 6.4 | <10 |
| | 30-Apr-15 | **51.7** | 7.81 | 11.3 | 107 | 22.9 | <5 | 9.19 | **66.7** | 26.7 | <5 | 14.1 | <5 | <10 |
| | 20-Jul-15 | **265** | 11.1 | 11.3 | 192 | 25.2 | 6.88 | 8.85 | **42.3** | 32.4 | <5 | **56.6** | <5 | <10 |
| | 28-Oct-15 | **181** | 17.9 | 23 | 185 | 35.6 | 7.65 | 5.75 | **104** | 47.6 | <5 | **36.5** | <5 | <10 |
| | 26-Jan-16 | **30** | 13.1 | 17.7 | 171 | 31.3 | 7.72 | 8.50 | **64.5** | 41.4 | <5 | **30.2** | <5 | <10 |
| | 26-Apr-16 | **143** | 6.02 | 0.3 | 124 | 24 | <5 | 7.96 | **12.4** | 29 | <5 | **16.8** | <5 | <10 |
| | 26-Jul-16 | **130** | <5 | 8.65 | 101 | 17.5 | <5 | <5 | **126** | 22.5 | <5 | **25.3** | <5 | <10 |
| **MW-3R** | 9-Oct-14 | **3,210** | <5 | <5 | 47.3 | <5 | <5 | <5 | **14.4** | 5.92 | 9.78 | **36.7** | 12 | 101 |
| | 15-Jan-15 | **1,350** | <5 | <5 | <50 | <5 | <5 | <40 | **10.2** | <5 | <50 | <5 | <5 | <100 |
| | 30-Apr-15 | **378** | <5 | <5 | 47.4 | 5.51 | 5.8 | <5 | **6.35** | 11.3 | 18.9 | **69.5** | 20.2 | 140 |
| | 20-Jul-15 | **22.8** | <5 | <5 | 6.48 | <5 | <5 | <5 | 1.09 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | **294** | <5 | <5 | 39.4 | <5 | <5 | <5 | **7.15** | 5.09 | 5.4 | **28.4** | 9.83 | 67.0 |
| | 26-Jan-16 | **869** | <5 | <5 | 57.0 | <5 | <5 | <5 | **3.47** | 5.14 | 11.8 | **27.9** | 7.36 | 80.7 |
| | 26-Apr-16 | **153** | <5 | <5 | 29.8 | <5 | <5 | <5 | **2.11** | <5 | 5.96 | **25.3** | 5.70 | 43.9 |
| | 26-Jul-16 | **671** | <5 | <5 | 35.8 | <5 | <5 | <5 | **13.9** | <5 | 8.35 | 12.5 | <5 | 29.0 |
| **MW-4** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**Groundwater Data Summary - VOCs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Benzene** | **n-Butylbenzene** | **sec-Butylbenzene** | **Ethylbenzene** | **Isopropylbenzene (Cumene)** | **p-Isopropyltoluene** | **MTBE** | **Naphthalene** | **n-Propylbenzene** | **Toluene** | **1,2,4-Trimethylbenzene** | **1,3,5-Trimethylbenzene** | **Xylene (Total)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *5* | *1000* | *2000* | *700* | *450* | *N/A* | *140* | *1.7* | *660* | *1000* | *15* | *120* | *10000* |
| *Residential Vapor Intrusion Screening Level* | | 28 | | | 110 | | | | | | | | | |
| **MW-5** | 9-Oct-14 | **1,040** | 5.71 | 7.28 | 140 | <5 | <5 | 14 | **90.2** | <5 | 12.1 | <5 | <5 | 306 |
| | 15-Jan-15 | **816** | 8.71 | 9.10 | 137 | <5 | <5 | 11.8 | **55.6** | <5 | 7.56 | <5 | <5 | 391 |
| | 30-Apr-15 | **751** | <5 | 7.86 | 183 | <5 | <5 | 7.51 | **5.25** | <5 | 7.86 | <5 | <5 | 562 |
| | 20-Jul-15 | **1,330** | 15.0 | 12.0 | 247 | <5 | <5 | <5 | **71.2** | <5 | 11.9 | <5 | <5 | 785 |
| | 28-Oct-15 | **1,250** | 8.63 | 13.7 | 231 | <5 | <5 | <5 | **50.9** | <5 | 12.9 | <5 | <5 | 629 |
| | 26-Jan-16 | **1,330** | 7.5 | 11.9 | 269 | <5 | <5 | 11.0 | **39.9** | <5 | 13.2 | <5 | <5 | 772 |
| | 26-Apr-16 | **1,200** | 5.03 | 6.84 | 146 | <5 | <5 | 7.8 | **45.2** | <5 | 9.63 | <5 | <5 | 351 |
| | 26-Jul-16 | **854** | 10.4 | 11.1 | 111 | <5 | <5 | <5 | **115** | <5 | 73.6 | <5 | <5 | 230 |
| **MW-6** | 9-Oct-14 | *Insufficient Sample Volume* | | | | | | | | | | | | |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-7R** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-8R** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | 7.32 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | 10.1 | 15.9 | <5 | <5 | 20.8 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | 6.49 | <5 | <5 | 6.51 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**Groundwater Data Summary - VOCs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Benzene** | **n-Butylbenzene** | **sec-Butylbenzene** | **Ethylbenzene** | **Isopropylbenzene (Cumene)** | **p-Isopropyltoluene** | **MTBE** | **Naphthalene** | **n-Propylbenzene** | **Toluene** | **1,2,4-Trimethylbenzene** | **1,3,5-Trimethylbenzene** | **Xylene (Total)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *5* | *1000* | *2000* | *700* | *450* | *N/A* | *140* | *1.7* | *660* | *1000* | *15* | *120* | *10000* |
| *Residential Vapor Intrusion Screening Level* | | 28 | | | 110 | | | | | | | | | |
| **MW-9** | 9-Oct-14 | **LPH** | | | | | | | | | | | | |
| | 15-Jan-15 | **3,800** | 24.7 | 25 | 567 | 32.3 | 48.9 | **159** | **294** | 60.3 | **4,000** | **323** | **121** | 1,622 |
| | 30-Apr-15 | **4,450** | 16.3 | 18 | 477 | 29.8 | 30.3 | 115 | **194** | 54 | **3,840** | **1,040** | 110 | 1,800 |
| | 20-Jul-15 | **LPH** | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | | |
| | 26-Jan-16 | **5,900** | 9.45 | 14.6 | **855** | 32.1 | 29.9 | 67.6 | **484** | 54.9 | **5,230** | **725** | **126** | 3,330 |
| | 26-Apr-16 | **LPH** | | | | | | | | | | | | |
| | 26-Jul-16 | | | | | | | | | | | | | |
| **MW-10** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | *Inaccessible* | | | | | | | | | | | | |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-11** | 9-Oct-14 | **1,290** | <50 | <50 | 378 | <50 | <50 | <40 | **493** | 63.1 | <50 | **256** | 64.8 | 617 |
| | 15-Jan-15 | **LPH** | | | | | | | | | | | | |
| | 30-Apr-15 | | | | | | | | | | | | | |
| | 20-Jul-15 | | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | | |
| | 26-Jan-16 | **1,560** | 52.9 | 74.0 | 609 | 85.6 | <5 | <5 | **128** | 145 | 34.9 | **518** | **127** | 1,011 |
| | 26-Apr-16 | **775** | <5 | 9.85 | 191 | 25.1 | 13.9 | <5 | **426** | 34.2 | 22.5 | **142** | 38.9 | 310 |
| | 26-Jul-16 | **196** | <5 | 8.09 | 120 | 18.9 | 7.30 | 6.09 | **93.0** | 27.7 | 16.1 | **71.5** | 19.9 | 191 |
| **MW-12** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |

**Groundwater Data Summary - VOCs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Benzene** | **n-Butylbenzene** | **sec-Butylbenzene** | **Ethylbenzene** | **Isopropylbenzene (Cumene)** | **p-Isopropyltoluene** | **MTBE** | **Naphthalene** | **n-Propylbenzene** | **Toluene** | **1,2,4-Trimethylbenzene** | **1,3,5-Trimethylbenzene** | **Xylene (Total)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *5* | *1000* | *2000* | *700* | *450* | *N/A* | *140* | *1.7* | *660* | *1000* | *15* | *120* | *10000* |
| *Residential Vapor Intrusion Screening Level* | | 28 | | | 110 | | | | | | | | | |
| **MW-13** | 9-Oct-14 | **LPH** | | | | | | | | | | | | |
| | 15-Jan-15 | | | | | | | | | | | | | |
| | 30-Apr-15 | | | | | | | | | | | | | |
| | 20-Jul-15 | | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | | |
| | 26-Jan-16 | | | | | | | | | | | | | |
| | 26-Apr-16 | **1,400** | 13.2 | 19.4 | 213 | 27.7 | 26.6 | 18.9 | **476** | 41.2 | 42.5 | **127** | 58.1 | 330 |
| | 26-Jul-16 | **LPH** | | | | | | | | | | | | |
| **MW-14** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-15** | 9-Oct-14 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 15-Jan-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 30-Apr-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 20-Jul-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 28-Oct-15 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jan-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Apr-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| | 26-Jul-16 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <10 |
| **MW-SB3** | 9-Oct-14 | **LPH** | | | | | | | | | | | | |
| | 15-Jan-15 | | | | | | | | | | | | | |
| | 30-Apr-15 | **1,430** | 42.6 | 38.4 | 541 | 73.4 | 30.6 | <5 | **341** | 134 | 36.1 | **482** | **178** | 847 |
| | 20-Jul-15 | **LPH** | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | | |
| | 26-Jan-16 | | | | | | | | | | | | | |
| | 26-Apr-16 | | | | | | | | | | | | | |
| | 26-Jul-16 | | | | | | | | | | | | | |

**Groundwater Data Summary - PAHs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Acenaphthene** | **Anthracene** | **Benzo(a)pyrene** | **Benzo(b)fluoranthene** | **Benzo(k)fluoranthene** | **Fluoranthene** | **Fluorene** | **1-Methylnaphthalene** | **2-Methylnaphthalene** | **Naphthalene** | **Phenanthrene** | **Pyrene** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *530* | *1800* | *0.20* | *0.34* | *3.4* | *800* | *290* | *11* | *36* | *1.7* | *-* | *120* |
| *Residential Vapor Intrusion Screening Level* | | | | | | | | | | | *91* | | |
| **MW-1** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-2** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **80.6** | **143** | **112** | 8.55 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **45.9** | **69.7** | **66.2** | 10.3 | 1.71 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **92.8** | **103** | **66.7** | 12.3 | 2.28 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | 2.87 | <1 | **30.0** | **42.9** | **42.3** | 3.05 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 6.6 | **98.3** | **138** | **104** | 9.93 | 1.12 |
| | 26-Jan-16 | 3.06 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 3.31 | **43.2** | **66.2** | **64.5** | 3.15 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 4.45 | 10.8 | 13.6 | **12.4** | 5.4 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **103** | **141** | **126** | 7.49 | <1 |
| **MW-3R** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 6.46 | 9.93 | **14.4** | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 5.44 | 7.50 | **10.2** | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **12.9** | 18.0 | **6.35** | 4.34 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 1.33 | 1.55 | 1.09 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 4.82 | 5.91 | **7.15** | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 2.36 | 2.35 | **3.47** | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 1.66 | 1.35 | **2.11** | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | 6.29 | 3.53 | **13.9** | <1 | <1 |
| **MW-4** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-5** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 4.31 | **60.6** | **63.9** | **90.2** | 4.32 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 2.55 | **35.8** | 34 | **55.6** | 3.06 | <1 |
| | 30-Apr-15 | 2.76 | <1 | <0.1 | <0.1 | <0.1 | <1 | 1.49 | 8.57 | 1.22 | **5.25** | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 7.33 | **68.4** | **76.3** | **71.2** | 9.42 | 1.25 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 2.87 | **46.7** | **36.2** | **50.9** | 3.05 | <1 |
| | 26-Jan-16 | 2.79 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 2.61 | **31.7** | 31.4 | **39.9** | 2.88 | <1 |
| | 26-Apr-16 | 1.71 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 2.06 | **37.4** | 33.3 | **45.2** | 1.76 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **128** | **144** | **115** | 65.5 | <1 |
| **MW-6** | 9-Oct-14 | *Insufficient Sample Volume* | | | | | | | | | | | |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | 0.19 | 0.23 | 0.19 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-7R** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-8R** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 1.26 | 10.2 | <1 | 1.01 | 1.39 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 2.26 | 4.29 | <1 | <1 | 1.98 | <1 |
| | 28-Oct-15 | 1.54 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 1.41 | 1.21 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | 5.33 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **12.3** | <1 | <1 | 8.36 | 1.37 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 8.10 | <1 | <1 | <1 | 15.1 | 3.18 |
| | 26-Jul-16 | 2.67 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 1.93 | <1 | <1 | <1 | <1 | <1 |

**Groundwater Data Summary - PAHs**
*Parrish Leasing*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| *All results in µg/L* | **Date** | **Acenaphthene** | **Anthracene** | **Benzo(a)pyrene** | **Benzo(b)fluoranthene** | **Benzo(k)fluoranthene** | **Fluoranthene** | **Fluorene** | **1-Methylnaphthalene** | **2-Methylnaphthalene** | **Naphthalene** | **Phenanthrene** | **Pyrene** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Residential Tap Water Screening Level* | | *530* | *1800* | *0.20* | *0.34* | *3.4* | *800* | *290* | *11* | *36* | *1.7* | *-* | *120* |
| *Residential Vapor Intrusion Screening Level* | | | | | | | | | | | *91* | | |
| **MW-9** | 9-Oct-14 | **LPH** | | | | | | | | | | | |
| | 15-Jan-15 | <10 | <1 | <0.1 | <0.1 | <0.1 | <10 | <10 | **348** | **480** | **294** | 54.8 | 15.7 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 41 | **270** | **346** | **194** | 72.6 | 5.15 |
| | 20-Jul-15 | **LPH** | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **764** | **1,190** | **484** | 106 | 11.0 |
| | 26-Apr-16 | **LPH** | | | | | | | | | | | |
| | 26-Jul-16 | | | | | | | | | | | | |
| **MW-10** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | *Inaccessible* | | | | | | | | | | | |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-11** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **632** | **1,160** | **493** | 174 | 13.9 |
| | 15-Jan-15 | **LPH** | | | | | | | | | | | |
| | 30-Apr-15 | | | | | | | | | | | | |
| | 20-Jul-15 | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **135** | **226** | **128** | 26.8 | 3.29 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **553** | **831** | **426** | 91.2 | 15.7 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | 7.40 | **107** | **132** | **93.0** | 23.2 | 1.27 |
| **MW-12** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-13** | 9-Oct-14 | **LPH** | | | | | | | | | | | |
| | 15-Jan-15 | | | | | | | | | | | | |
| | 30-Apr-15 | | | | | | | | | | | | |
| | 20-Jul-15 | | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | |
| | 26-Jan-16 | | | | | | | | | | | | |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | **999** | **1,230** | **476** | 470 | 24.5 |
| | 26-Jul-16 | **LPH** | | | | | | | | | | | |
| **MW-14** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-15** | 9-Oct-14 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 15-Jan-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 20-Jul-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 28-Oct-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jan-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Apr-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 26-Jul-16 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| **MW-SB3** | 9-Oct-14 | **LPH** | | | | | | | | | | | |
| | 15-Jan-15 | | | | | | | | | | | | |
| | 30-Apr-15 | <1 | <0.1 | <0.1 | <0.1 | <0.1 | 2.04 | <1 | **447** | **680** | **341** | 184 | 12.6 |
| | 20-Jul-15 | **LPH** | | | | | | | | | | | |
| | 28-Oct-15 | | | | | | | | | | | | |
| | 26-Jan-16 | | | | | | | | | | | | |
| | 26-Apr-16 | | | | | | | | | | | | |
| | 26-Jul-16 | | | | | | | | | | | | |

**Compilation of Monitoring & LPH Removal**

*Former McIntosh Energy*
*3805 Old Maumee Ave*
*Fort Wayne, Allen County, Indiana*

| Well ID | MW-2 | | | | | MW-5 | | | | | MW-9 | | | | | MW-11 | | | | | MW-13 | | | | | MW-SB3 | | | | | Abatement | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | Depth to Water | Depth to Product | Product Thickness | Corrected Elevation | Gallons purged | LPH Abatement Method | Total Liquid Removed (gallons) |
| 29-Jan-13 | 9.43 | 9.38 | 0.05 | 89.67 | 0.00 | 10.35 | 6.47 | 3.88 | 87.74 | 0.00 | 13.38 | 6.00 | 7.38 | 86.39 | 0.00 | 9.72 | - | - | 83.57 | 0.00 | 12.31 | 7.37 | 4.94 | 85.01 | 0.00 | | | | | | (No abatement) | - |
| 5-Mar-13 | 9.34 | 9.31 | 0.03 | 89.74 | 1.00 | 7.44 | 6.34 | 1.10 | 88.49 | 4.50 | 13.52 | 5.79 | 7.73 | 86.52 | 7.50 | - | - | - | - | 0.00 | 10.90 | 6.90 | 4.00 | 85.69 | 7.00 | | | | | | Peristaltic pump | 20 |
| 28-Mar-13 | 8.25 | (no LPH) | 0.00 | 90.81 | - | 6.75 | 5.48 | 1.27 | 89.31 | - | 8.39 | 5.25 | 3.14 | 88.09 | - | - | - | - | - | - | 7.71 | 6.33 | 1.38 | 86.85 | - | | | | | | Mobile VER | 405 |
| 2-Apr-13 | 8.30 | 8.29 | 0.01 | 90.77 | 0.00 | 5.74 | (no LPH) | 0.00 | 89.34 | 0.00 | 6.41 | 5.57 | 0.84 | 88.29 | 0.00 | - | - | - | - | 0.00 | 8.29 | 7.12 | 1.17 | 86.11 | 0.00 | | | | | | (No abatement) | - |
| 15-Apr-13 | 8.03 | (no LPH) | 0.00 | 91.03 | 0.00 | 5.43 | (no LPH) | 0.00 | 89.65 | 0.00 | 6.82 | 5.27 | 1.55 | 88.43 | 0.00 | - | - | - | - | 0.00 | 8.89 | 6.46 | 2.43 | 86.48 | 0.00 | | | | | | (No abatement) | - |
| 22-Apr-13 | 7.17 | (no LPH) | 0.00 | 91.89 | - | 5.00 | 4.94 | 0.06 | 90.13 | - | 6.50 | 4.90 | 1.60 | 88.79 | - | - | - | - | - | - | - | 5.82 | - | - | - | | | | | | Mobile VER | 450 |
| 23-Apr-13 | 7.26 | (no LPH) | 0.00 | 91.80 | 0.00 | 5.06 | (no LPH) | 0.00 | 90.02 | 0.00 | 5.26 | 5.22 | 0.04 | 88.82 | 0.00 | 8.36 | - | - | 84.93 | 0.00 | 7.16 | 7.13 | 0.03 | 86.35 | 0.00 | | | | | | (no abatement) | - |
| 1-May-13 | - | - | - | - | - | - | - | - | - | - | 4.79 | (no LPH) | 0.00 | 89.26 | 0.25 | - | - | - | - | - | 5.90 | 5.88 | 0.02 | 87.61 | 0.25 | | | | | | Peristaltic Pump | 0.5 |
| 17-May-13 | 7.47 | (no LPH) | 0.00 | 91.59 | 0.00 | 4.55 | (no LPH) | 0.00 | 90.53 | 0.00 | 4.37 | (no LPH) | 0.00 | 89.68 | 0.00 | - | - | - | - | - | 6.69 | 5.53 | 1.16 | 87.70 | 7.00 | | | | | | Peristaltic pump | 7 |
| 24-May-13 | - | - | - | - | - | 4.73 | (no LPH) | 0.00 | 90.35 | 0.00 | 5.64 | 4.49 | 1.15 | 89.30 | 1.75 | 9.29 | 9.01 | 0.28 | 84.22 | 2.50 | 7.39 | 5.92 | 1.47 | 87.24 | 4.75 | | | | | | Peristaltic pump | 9 |
| 31-May-13 | - | - | - | - | - | 4.62 | (no LPH) | 0.00 | 90.46 | 0.00 | 4.46 | 4.45 | 0.01 | 89.60 | 1.50 | 8.76 | 8.73 | 0.03 | 84.55 | 1.00 | 7.45 | 5.95 | 1.50 | 87.20 | 3.00 | | | | | | Peristaltic Pump | 5.5 |
| 6-Jun-13 | - | - | - | - | - | 4.28 | (no LPH) | 0.00 | 90.80 | 0.00 | 4.10 | (no LPH) | 0.00 | 89.95 | 0.00 | 8.09 | (no LPH) | 0.00 | 85.20 | 0.00 | 5.84 | 5.38 | 0.46 | 88.01 | 1.00 | | | | | | bailers | 1 |
| 13-Jun-13 | - | - | - | - | - | 4.39 | (no LPH) | 0.00 | 90.69 | 0.00 | 4.14 | 4.12 | 0.02 | 89.93 | 0.00 | 8.12 | (no LPH) | 0.00 | 85.17 | 0.00 | 5.83 | 5.11 | 0.72 | 88.22 | 1.00 | | | | | | Peristaltic Pump | 1 |
| 14-Jun-13 | - | - | - | - | - | 4.37 | (no LPH) | 0.00 | 90.71 | 0.00 | 4.16 | 4.14 | 0.02 | 89.91 | 1.00 | 8.05 | (no LPH) | 0.00 | 85.24 | 0.00 | 5.30 | 5.15 | 0.15 | 88.31 | 4.50 | | | | | | Peristaltic Pump | 5.5 |
| 4-Jul-13 | - | - | - | - | - | 4.49 | (no LPH) | 0.00 | 90.59 | 0.00 | 4.28 | 4.27 | 0.01 | 89.78 | 0.25 | 8.28 | (no LPH) | 0.00 | 85.01 | 0.25 | 6.78 | 5.30 | 1.48 | 87.86 | 2.75 | | | | | | Peristaltic Pump | 3.25 |
| 23-Jul-13 | 7.78 | 7.60 | 0.18 | 91.42 | 0.00 | 4.73 | 4.72 | 0.01 | 90.36 | 0.10 | 4.51 | 4.42 | 0.09 | 89.61 | 0.10 | 8.66 | 8.63 | 0.03 | 84.65 | 0.10 | 6.96 | 5.49 | 1.47 | 87.67 | 0.75 | | | | | | Peristaltic Pump | 1 |
| 5-Aug-13 | - | - | - | - | - | 4.68 | (no LPH) | 0.00 | 90.40 | 0.00 | 4.47 | 4.46 | 0.01 | 89.59 | 0.00 | 8.29 | 8.22 | 0.07 | 85.05 | 0.00 | 6.33 | 5.35 | 0.98 | 87.92 | 4.00 | | | | | | Peristaltic Pump | 4 |
| 16-Aug-13 | 7.82 | 7.76 | 0.06 | 91.29 | 1.00 | 4.92 | 4.91 | 0.01 | 90.17 | 1.00 | 4.73 | 4.69 | 0.04 | 89.35 | 2.00 | 8.86 | (no LPH) | 0.00 | 84.43 | 0.00 | 7.04 | 5.78 | 1.26 | 87.43 | 2.50 | | | | | | Peristaltic Pump | 6.5 |
| 23-Aug-13 | 8.11 | 8.02 | 0.09 | 91.02 | 0.25 | 5.13 | (no LPH) | 0.00 | 89.95 | 0.00 | 4.83 | 4.81 | 0.02 | 89.24 | 0.25 | 9.02 | 8.97 | 0.05 | 84.31 | 0.25 | 6.64 | 6.03 | 0.61 | 87.32 | 4.50 | | | | | | Peristaltic Pump | 5.25 |
| 29-Aug-13 | 8.50 | 8.28 | 0.22 | 90.73 | - | 5.32 | (no LPH) | 0.00 | 89.76 | - | 5.02 | 4.98 | 0.04 | 89.06 | - | - | - | - | - | - | 7.09 | 6.13 | 0.96 | 87.14 | - | | | | | | VER | 475 |
| 6-Sep-13 | 8.73 | 8.65 | 0.08 | 90.39 | 0.50 | 5.59 | (no LPH) | 0.00 | 89.49 | 0.00 | 5.33 | 5.20 | 0.13 | 88.82 | 0.00 | 9.17 | 9.15 | 0.02 | 84.14 | 0.00 | 7.65 | 6.77 | 0.88 | 86.52 | 3.50 | | | | | | Peristaltic Pump | 4 |
| 27-Sep-13 | 9.39 | 9.31 | 0.08 | 89.73 | 0.75 | 6.15 | (no LPH) | 0.00 | 88.93 | 0.00 | 5.98 | 5.75 | 0.23 | 88.25 | 2.00 | 9.42 | 9.34 | 0.08 | 83.93 | 2.00 | 8.33 | 6.90 | 1.43 | 86.27 | 2.00 | | | | | | Peristaltic Pump | 6.75 |
| 7-Oct-13 | 9.65 | 9.58 | 0.07 | 89.46 | 0.10 | 6.36 | (no LPH) | 0.00 | 88.72 | 0.25 | 6.08 | 6.02 | 0.06 | 88.02 | 0.25 | 9.46 | (no LPH) | 0.00 | 83.83 | 0.25 | 7.75 | 7.14 | 0.61 | 86.21 | 0.50 | | | | | | Bailers | 1.35 |
| 30-Oct-13 | 10.24 | 10.13 | 0.11 | 88.91 | 1.00 | 6.92 | (no LPH) | 0.00 | 88.16 | 0.00 | 6.50 | 6.46 | 0.04 | 87.58 | 1.50 | 9.72 | (no LPH) | 0.00 | 83.57 | 0.00 | 7.60 | 6.91 | 0.69 | 86.42 | 1.50 | | | | | | Peristaltic Pump | 4 |
| 26-Dec-13 | - | - | - | - | - | 6.38 | (no LPH) | 0.00 | 88.70 | 0.00 | - | - | - | - | - | 8.22 | (no LPH) | 0.00 | 85.07 | 0.00 | 8.19 | 6.58 | 1.61 | 86.55 | 2.50 | | | | | | Peristaltic Pump | 2.5 |
| 16-Jan-14 | 8.69 | - | - | 85.36 | - | 6.05 | 6.04 | 0.01 | 89.04 | 0.25 | 5.95 | 5.91 | 0.04 | 88.13 | 0.25 | 8.52 | - | - | 84.77 | 0.25 | 7.15 | 6.68 | 0.47 | 86.70 | 0.25 | | | | | | Bailers | 1 |
| 4-Feb-14 | - | - | - | - | - | - | - | - | - | - | 5.80 | - | - | 88.25 | 0.00 | 9.25 | - | - | 84.04 | 0.00 | 7.52 | 6.59 | 0.93 | 86.69 | 1.00 | | | | | | Peristaltic pump | 1 |
| 18-Mar-14 | - | - | - | - | - | 5.42 | - | - | 89.66 | 0.00 | - | - | - | - | - | 8.30 | - | - | 84.99 | 0.00 | 6.82 | 5.81 | 1.01 | 87.45 | 2.00 | | | | | | Peristaltic pump | 2 |
| 10-Apr-14 | 6.80 | - | - | 92.26 | 0.25 | 3.89 | - | - | 91.19 | 0.25 | 4.43 | 3.84 | 0.59 | 90.08 | 0.25 | 8.24 | - | - | 85.05 | 0.25 | 5.98 | 4.38 | 1.60 | 88.75 | 0.25 | | | | | | Bailers | 1.25 |
| 25-Apr-14 | - | - | - | - | - | 4.18 | - | - | 90.90 | 0.00 | 4.68 | 3.78 | 0.90 | 90.07 | 1.00 | 8.85 | 8.76 | 0.09 | 84.51 | 0.75 | 5.27 | 4.60 | 0.67 | 88.74 | 1.00 | | | | | | Peristaltic pump | 2.75 |
| 6-Jun-14 | - | - | - | - | - | 4.28 | - | - | 90.80 | 0.00 | 4.71 | 3.87 | 0.84 | 89.99 | 2.50 | 8.53 | 8.50 | 0.03 | 84.78 | 0.00 | 5.47 | 4.66 | 0.81 | 88.65 | 1.50 | *LPH detected 7-14-14* | | | | | Peristaltic pump | 4 |
| 14-Jul-14 | 7.80 | 7.75 | 0.05 | 91.30 | 0.25 | 4.81 | - | - | 90.27 | 0.25 | 4.93 | 4.42 | 0.51 | 89.52 | 1.00 | 8.98 | 8.85 | 0.13 | 84.41 | 2.00 | 7.50 | 4.92 | 2.58 | 87.99 | 2.00 | 12.60 | 11.81 | 0.79 | 91.36 | 0.25 | Peristaltic pump | 6 |
| 25-Jul-14 | 8.06 | 8.05 | 0.01 | 91.01 | 0.00 | 5.05 | - | - | 90.03 | - | 5.09 | 4.64 | 0.45 | 89.31 | 1.50 | 8.99 | 8.97 | 0.02 | 84.32 | 0.00 | 6.50 | 5.34 | 1.16 | 87.89 | 2.00 | 12.65 | 12.15 | 0.50 | 91.09 | 3.00 | Peristaltic pump | 6.5 |
| 8-Aug-14 | 8.41 | 8.38 | 0.03 | 90.67 | 1.50 | 5.38 | - | - | 89.70 | - | 5.31 | 4.94 | 0.37 | 89.03 | 3.00 | 8.86 | 8.84 | 0.02 | 84.45 | 1.50 | 6.66 | 5.53 | 1.13 | 87.71 | 1.50 | 12.62 | 12.32 | 0.30 | 90.96 | 2.50 | Peristaltic pump | 10 |
| 22-Aug-14 | 8.73 | - | - | 85.32 | - | 5.64 | - | - | 89.44 | - | 5.34 | 5.22 | 0.12 | 88.80 | 3.00 | 8.96 | 8.93 | 0.03 | 84.35 | 2.00 | 6.89 | 5.77 | 1.12 | 87.47 | 1.50 | 12.66 | 12.34 | 0.32 | 90.94 | 2.00 | Peristaltic pump | 8.5 |
| 12-Sep-14 | 8.47 | - | - | 85.58 | - | 5.62 | - | - | 89.46 | - | 5.45 | 5.35 | 0.10 | 88.68 | 2.50 | 8.49 | - | - | 84.80 | - | 7.07 | 5.78 | 1.29 | 87.42 | 3.00 | 12.27 | 12.21 | 0.06 | 91.13 | 1.50 | Peristaltic pump | 7 |
| 26-Sep-14 | 8.36 | - | - | 85.69 | - | 5.64 | - | - | 89.44 | - | 4.38 | 4.34 | 0.04 | 89.70 | 0.00 | 8.92 | - | - | 84.37 | - | 6.64 | 5.87 | 0.77 | 87.45 | 1.50 | 12.82 | 12.33 | 0.49 | 90.91 | 2.00 | Peristaltic pump | 3.5 |
| 9-Oct-14 | 8.84 | - | - | 85.21 | 0.50 | 5.93 | - | - | 89.15 | 0.50 | 5.67 | 5.59 | 0.08 | 88.44 | 1.50 | 9.08 | - | - | 84.21 | 0.50 | 7.00 | 6.13 | 0.87 | 87.16 | 1.00 | 13.20 | 12.69 | 0.51 | 90.55 | 1.00 | Peristaltic pump | 4.5 |
| 24-Oct-14 | 8.88 | - | - | 85.17 | - | 6.02 | - | - | 89.06 | - | 5.74 | 5.66 | 0.08 | 88.37 | 2.00 | 9.19 | - | - | 84.10 | - | 6.93 | 6.17 | 0.76 | 87.15 | 2.50 | - | - | - | - | - | Peristaltic pump | 4.5 |
| 12-Dec-14 | 8.92 | - | - | 85.13 | - | 6.11 | - | - | 88.97 | - | 5.81 | 5.77 | 0.04 | 88.27 | 0.00 | 9.48 | 9.28 | 0.20 | 83.97 | 2.00 | 7.41 | 6.22 | 1.19 | 87.00 | 1.00 | - | - | - | - | - | Peristaltic pump | 3 |
| 15-Jan-15 | 8.74 | - | - | 85.31 | - | 5.94 | - | - | 89.14 | - | 5.67 | - | - | 88.38 | - | 9.35 | 9.28 | 0.07 | 83.99 | - | 6.97 | 6.24 | 0.73 | 87.09 | - | 13.08 | 12.76 | 0.32 | 90.52 | - | - | 0 |
| 11-Feb-15 | 9.25 | - | - | 84.80 | - | 6.29 | - | - | 88.79 | - | - | - | - | - | - | - | - | - | - | - | 7.40 | 6.37 | 1.03 | 86.89 | 1.00 | 13.18 | 12.88 | 0.30 | 90.40 | 1.00 | Peristaltic pump | 2 |
| 19-Mar-15 | - | - | - | - | - | 6.24 | - | - | 88.84 | - | 6.05 | 6.03 | 0.02 | 88.02 | 0.00 | - | - | - | - | - | 6.70 | 6.59 | 0.11 | 86.88 | 0.25 | - | - | - | - | - | Peristaltic pump | 0.25 |
| 23-Apr-15 | - | - | - | - | - | 5.71 | - | - | 89.37 | - | 5.82 | - | - | 88.23 | - | 8.71 | - | - | 84.58 | - | 6.87 | - | - | 86.62 | - | - | - | - | - | - | VER | 500 |
| 28-Apr-15 | 8.27 | - | - | 85.78 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.15 | - | - | 91.20 | - | VER | 500 |
| 30-Apr-15 | 8.14 | - | - | 85.91 | - | 5.68 | - | - | 89.40 | - | 5.76 | - | - | 88.29 | - | 8.91 | 8.80 | 0.11 | 84.47 | - | 7.36 | 6.34 | 1.02 | 86.92 | - | 12.29 | - | - | 91.06 | - | - | 0 |
| 20-Jul-15 | 6.93 | - | - | 87.12 | 0.50 | 4.08 | - | - | 91.00 | 0.50 | 4.22 | 4.07 | 0.15 | 89.95 | 0.00 | 7.75 | 7.53 | 0.22 | 85.71 | 0.00 | 7.07 | 4.75 | 2.32 | 88.22 | 1.50 | 11.31 | 10.81 | 0.5 | 92.43 | 1.00 | Peristaltic pump | 3.5 |
| 16-Aug-15 | 7.33 | - | - | 86.72 | 0.00 | 4.93 | - | - | 90.15 | 0.00 | 5.62 | 5.15 | 0.47 | 88.79 | 0.00 | 8.05 | 7.74 | 0.31 | 85.48 | 0.00 | 7.43 | 5.79 | 1.64 | 87.33 | 0.00 | 11.08 | 10.92 | 0.16 | 92.39 | 0.00 | - | 0 |
| 17-Sep-15 | - | - | - | - | - | 5.22 | - | - | 89.86 | 0.00 | 5.81 | 5.09 | 0.72 | 88.80 | 0.00 | 8.84 | 8.54 | 0.30 | 84.68 | 0.00 | 6.92 | 5.96 | 0.96 | 87.31 | 1.50 | 12.61 | 11.83 | 0.78 | 91.34 | 0.00 | Peristaltic pump | 1.5 |
| 28-Oct-15 | 9.31 | - | - | 84.74 | 0.50 | 6.26 | - | - | 88.82 | 0.50 | 6.72 | 5.43 | 1.29 | 88.33 | 1.00 | 9.31 | 9.00 | 0.31 | 84.22 | 1.00 | 7.43 | 6.57 | 0.86 | 86.73 | 1.00 | 13.74 | 13.1 | 0.64 | 90.11 | 1.00 | Peristaltic pump | 5 |
| 11-Dec-15 | 9.48 | - | - | 84.57 | 0.00 | 6.63 | - | - | 88.45 | 0.00 | 6.52 | 6.48 | 0.04 | 87.56 | 0.25 | 9.30 | - | - | 83.99 | 0.00 | 7.50 | 6.95 | 0.55 | 86.42 | 0.25 | 13.6 | 13.3 | 0.3 | 89.98 | 0.25 | Peristaltic pump | 0.75 |
| 15-Dec-15 | 8.75 | - | - | 85.30 | 0.00 | 6.05 | - | - | 89.03 | 0.00 | 6.30 | 6.15 | 0.15 | 87.87 | 0.25 | 8.50 | - | - | 84.79 | 0.00 | 7.00 | 6.70 | 0.3 | 86.72 | 0.25 | 12.05 | - | - | 91.30 | 0.00 | Peristaltic pump | 0.5 |
| 6-Jan-16 | 7.69 | - | - | 86.36 | 0.00 | 5.70 | 5.60 | 0.1 | 89.46 | 0.00 | 5.75 | 5.71 | 0.04 | 88.33 | 0.00 | 8.80 | 8.78 | 0.02 | 84.51 | 0.00 | 6.70 | 6.45 | 0.25 | 86.98 | 0.75 | 11.74 | - | - | 91.61 | 0.00 | Peristaltic pump | 0.75 |
| 14-Jan-16 | 7.62 | - | - | 86.43 | 0.00 | - | - | - | - | - | 5.53 | - | - | 88.52 | 0.00 | - | - | - | - | - | 6.90 | 6.35 | 0.55 | 87.02 | 0.25 | 11.58 | - | - | 91.77 | 0.00 | Peristaltic pump | 0.25 |
| 26-Jan-16 | 7.86 | - | - | 86.19 | 0.50 | 5.45 | - | - | 89.63 | 0.50 | 5.53 | 5.5 | 0.03 | 88.54 | 0.50 | 9.08 | - | - | 84.21 | 0.50 | 6.58 | 6.48 | 0.1 | 86.99 | 0.00 | 12.05 | 11.98 | 0.07 | 91.35 | 0.00 | Bailers | 2 |
| 11-Feb-16 | 8.20 | - | - | 85.85 | 0.00 | 5.60 | - | - | 89.48 | 0.00 | 5.90 | 5.55 | 0.35 | 88.42 | 1.50 | 9.12 | - | - | 84.17 | 0.00 | 6.78 | 6.55 | 0.23 | 86.89 | 0.25 | 12.50 | 12.28 | 0.22 | 91.02 | 0.50 | Peristaltic pump | 2.25 |
| 11-Mar-16 | 8.50 | - | - | 85.55 | 0.00 | 5.75 | - | - | 89.33 | 0.00 | 7.24 | 5.75 | 1.49 | 87.96 | 0.25 | 8.80 | - | - | 84.49 | 0.00 | 6.73 | - | - | 86.76 | 0.00 | 12.30 | - | - | 91.05 | 0.00 | Peristaltic pump | 0.25 |
| 22-Mar-16 | 7.68 | - | - | 86.37 | 0.00 | 5.18 | - | - | 89.90 | 0.00 | 7.30 | 5.20 | 2.10 | 88.38 | 0.25 | 8.61 | - | - | 84.68 | 0.00 | 6.43 | - | - | 87.06 | 0.00 | 11.68 | - | - | 91.67 | 0.00 | Peristaltic pump | 0.25 |
| 12-Apr-16 | 7.20 | - | - | 86.85 | 0.00 | 4.68 | - | - | 90.40 | 0.00 | 5.95 | 4.89 | 1.06 | 88.92 | 0.25 | 8.28 | - | - | 85.01 | 0.00 | 6.14 | - | - | 87.35 | 0.00 | 11.45 | 11.25 | 0.2 | 92.06 | 0.25 | Peristaltic pump | 0.5 |
| 26-Apr-16 | 7.28 | - | - | 86.77 | 0.50 | 4.71 | - | - | 90.37 | 0.50 | 5.63 | 4.85 | 0.78 | 89.02 | 0.00 | 8.27 | 8.26 | 0.01 | 85.03 | 0.40 | 6.11 | 6.10 | 0.01 | 87.39 | 0.50 | 11.68 | 11.40 | 0.28 | 91.89 | 0.00 | Bailers | 1.9 |
| 26-May-16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.22 | - | - | 85.07 | 0.00 | 5.72 | 5.62 | 0.10 | 87.85 | 0.00 | 12.54 | 11.53 | 1.01 | 91.59 | 0.00 | - | 0 |
| 17-Jun-16 | 8.53 | - | - | 90.53 | 0.00 | 6.56 | - | - | 88.52 | 0.00 | 7.05 | 6.35 | 0.70 | 87.54 | 0.50 | 9.35 | - | - | 83.94 | 0.00 | 7.10 | 6.88 | 0.22 | 86.56 | 0.50 | 14.14 | 13.40 | 0.74 | 89.78 | 0.25 | Peristaltic pump | 1.25 |
| 30-Jun-16 | 7.83 | - | - | 91.23 | 0.00 | - | - | - | - | - | - | - | - | - | - | 8.42 | - | - | 84.87 | 0.00 | 6.01 | 5.98 | 0.03 | 87.50 | 0.00 | 12.60 | 11.71 | 0.89 | 91.44 | 0.50 | Peristaltic pump | 0.5 |
| 15-Jul-16 | 8.52 | - | - | 90.54 | 0.00 | - | - | - | - | - | - | - | - | - | - | 8.75 | - | - | 84.54 | 0.00 | 6.25 | - | - | 87.24 | 0.00 | 12.48 | - | - | 90.87 | 0.00 | - | 0 |
| 27-Jul-16 | 8.88 | - | - | 90.18 | 0.50 | 6.03 | - | - | 89.05 | 0.40 | 6.65 | - | - | 87.40 | 0.25 | 8.90 | 8.87 | 0.03 | 84.41 | 0.50 | 6.64 | 6.55 | 0.09 | 86.92 | 0.00 | 13.50 | 12.76 | 0.74 | 90.42 | 0.00 | bailers | 1.65 |
| 26-Aug-16 | 9.36 | - | - | 89.70 | 0.00 | 6.17 | - | - | 88.91 | 0.00 | 6.95 | 5.91 | 1.04 | 87.91 | 2.00 | 9.35 | 9.31 | 0.04 | 83.97 | 0.00 | 6.62 | 6.49 | 0.13 | 86.97 | 0.00 | 13.18 | 13.08 | 0.10 | 90.25 | 0.00 | Peristaltic pump | 2 |
| 12-Sep-16 | 9.30 | - | - | 89.76 | 0.00 | 5.73 | - | - | 89.35 | 0.00 | - | - | - | - | - | 9.31 | - | - | 83.98 | 0.00 | 6.45 | 6.35 | 0.10 | 87.12 | 0.25 | 12.78 | - | - | 90.57 | 0.00 | Peristaltic pump | 0.25 |
| 30-Sep-16 | 9.18 | - | - | 89.88 | 0.00 | 6.45 | - | - | 88.63 | 0.00 | 8.71 | 6.01 | 2.70 | 87.43 | 1.50 | 9.42 | 9.4 | 0.02 | 83.89 | 1.25 | 7.23 | 6.71 | 0.52 | 86.66 | 0.25 | 13.16 | 13.09 | 0.07 | 90.24 | 0.00 | Peristaltic pump | 3 |
| | | | | | 9.60 | | | | | 9.50 | | | | | 45.35 | | | | | 19.25 | | | | | 83.50 | | | | | 17.00 | Total Gallons Removed | 2514 |

*Monitor well installed 10-24-13*

QUARTERLY MONITORING REPORT

# APPENDIX C. SOIL DATA SUMMARY TABLES

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509

## *Former McIntosh Energy*
### *3805 Old MaumeeAvenue*
### *Fort Wayne, Allen County, Indiana*

***Soil Sampling Results - Investigation Conducted Under RISC Closure Guidance***

| Sample Identification | Sample Date | Sample Depth | TPH GRO (mg/kg) | TPH DRO (mg/kg) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | MTBE (mg/kg) | Naphthalene (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| SB-1 | 1/20/2010 | 4-6 | <16.9 | 79 | <0.006 | <0.006 | <0.006 | <0.011 | <0.006 | <0.37 |
| | | 12-14 | <16.0 | 49 | <0.005 | <0.005 | <0.005 | <0.011 | <0.005 | <0.35 |
| SB-2 | 1/20/2010 | 12-14 | 233 | 17300* | 1.8* | <0.287 | 10.8 | 32.11 | <0.18 | 1.32 |
| | | 17.5-18 | <17.0 | 23 | <0.006 | <0.006 | <0.006 | <0.011 | 0.175 | <0.38 |
| SB-3 | 10/13/2010 | 12-14 | 3040* | 7780* | 2.46* | 22.7 | 50.7 | 249* | <0.18 | 6.96 |
| SB-4 | 5/18/2011 | 14-16 | 301 | 6280* | <0.034 | <0.142 | <0.142 | <0.284 | <0.142 | 7.83 |
| HA-1 | 5/18/2011 | 10-11 | 74.4 | 37.9 | <0.006 | <0.006 | <0.006 | <0.012 | <0.006 | <0.39 |
| MW-1 | 1/20/2010 | 8-10 | <17.9 | 4330* | <0.006 | <0.006 | <0.006 | <0.012 | <0.006 | <0.39 |
| | | 12-14 | <16.3 | 89 | <0.005 | <0.005 | <0.005 | <0.011 | <0.005 | <0.36 |
| MW-2 | 1/21/2010 | 10-12 | 199 | 18700* | <0.034 | <0.275 | 3.95 | 2.58 | <0.18 | 6.33 |
| | | 17-17.5 | <16.5 | 34 | <0.005 | <0.005 | <0.005 | <0.011 | <0.005 | <0.36 |
| MW-3 | 1/20/2010 | 12-14 | 151 | 3830* | 0.673* | <0.291 | 5.43 | 19.926 | <0.18 | 4.15 |
| | | 22-24 | <17.4 | 24 | <0.006 | <0.006 | <0.006 | <0.012 | <0.006 | <0.38 |
| MW-4 | 10/13/2010 | 6-8 | <17.4 | <12 | <0.006 | <0.006 | <0.006 | <0.012 | <0.006 | <0.38 |
| MW-5 | 10/13/2010 | 4-5.75 | <17.0 | 49.3 | <0.006 | <0.006 | <0.006 | <0.011 | <0.006 | <0.38 |
| MW-6 | 10/13/2010 | 6-8 | <15.8 | <11 | <0.005 | <0.005 | <0.005 | <0.011 | <0.005 | <0.35 |
| MW-7 | 10/13/2010 | 8-10 | <16.1 | 22.6 | <0.005 | <0.005 | <0.005 | <0.011 | <0.005 | <0.035 |
| MW-8 | 1/3/2012 | 8-10 | Not Sampled | 35.5 | Not Sampled | | | | | |
| ***RISC Default Closure Levels*** | | | | | | | | | | |
| *Residential* | - | - | *120* | *230* | *0.034* | *12* | *13* | *170* | *0.18* | *0.7* |
| *Industrial* | - | - | *1500* | *2,300* | *0.35* | *96* | *160* | *170* | *3.2* | *170* |

Note: Napthalene was the only compound detected on the cPAH analysis

* = Concentration exceeds IDCLs

| Sample Identification | Sample Date | Sample Depth | TPH GRO (mg/kg) | TPH ERO (mg/kg) | Lead (mg/kg) | VOCs (mg/kg) | | PAHs (mg/kg) | |
|---|---|---|---|---|---|---|---|---|---|
| SB-4 | 5/18/2011 | 14-16 | Not Sampled | Not Sampled | Not Sampled | None Detected | | Naphthalene | 7.83 |
| HA-1 | 5/18/2011 | 11 | Not Sampled | Not Sampled | Not Sampled | None Detected | | None Detected | |
| SB-5 | 1/3/2012 | 2-4 | 75.4 | 28.8 | 14 | Benzene | 0.0646 | None Detected | |
| | | | | | | sec-Butylbenzene | 0.00616 | | |
| | | | | | | Ethylbenzene | 0.0468 | | |
| | | | | | | Isopropylbenzene | 0.0399 | | |
| | | | | | | n-Propylbenzene | 0.0523 | | |
| | | | | | | 1,3,5-Trimethylbenzene | 0.0203 | | |
| | | | | | | Xylenes (total) | 0.0411 | | |
| SB-6 | 1/3/2012 | 6-8 | <19.0 | <25.0 | 3.6 | None Detected | | None Detected | |

***Former McIntosh Energy***
***3805 Old MaumeeAvenue***
***Fort Wayne, Allen County, Indiana***

***Soil Sampling Results - Investigation Conducted Under RCG***

**West Property Area Soil Testing Results (27-Nov-12)**

| Sample ID | PID Result (ppmV) | Analysis | Detected Compounds | Result (mg/kg) | Residential Screen (mg/kg) |
|---|---|---|---|---|---|
| SB7 (2-4') | 1.2 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 9.8 | 400 |
| SB8 (2-4') | 3.4 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 15 | 400 |
| SB9 (10-12') | 180 | VOCs | n-butylbenzene | 1.98 | 110 |
| | | | sec-butylbenzene | 0.812 | Not listed |
| | | | ethylbenzene | 0.749 | 76 |
| | | | n-hexane | 1.64 | 140 |
| | | | Cumene | 1.27 | 270 |
| | | | p-Isopropyltoluene | 0.488 | Not listed |
| | | | n-propylbenzene | 5.92 | 260 |
| | | | 1,2,4-trimethylbenzene | 12.9 | 87 |
| | | | 1,3,5-trimethylbenzene | 6.31 | 180 |
| | | | Xylenes (m &p) | 1.35 | 390 |
| | | PAHs | 1-methylnaphthalene | 1.09 | 310 |
| | | | 2-methylnaphthalene | 2.15 | 370 |
| | | | Naphthalene | 0.429 | 50 |
| | | | Phenanthrene | 0.066 | Not listed |
| | | Lead | | 19 | 400 |
| SB9 (14-16') | 1.6 | VOCs | None Detected | - | - |
| | | PAHs | Naphthalene | 0.048 | 50 |
| | | Lead | | 5.3 | 400 |
| SB10 (2-4') | 0 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 36 | 400 |
| SB11 (6-8') | 1 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 6.1 | 400 |

**Site Soil Testing Results (28-Nov-12)**

| Sample ID | PID Result (ppmV) | Analysis | Detected Compounds | Result (mg/kg) | Residential Screen (mg/kg) |
|---|---|---|---|---|---|
| MW-10 (6-8') | 0.4 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 9.2 | 400 |
| MW-11 (6-8') | 404 | VOCs | Benzene | 2.43 | 15 |
| | | | n-Butylbenzene | 3.26 | 100 |
| | | | sec-Butylbenzene | 4.25 | Not Listed |
| | | | Ethylbenzene | 12.4 | 76 |
| | | | n-Hexane | 3.94 | 140 |
| | | | Cumene | 4.32 | 270 |
| | | | p-Isopropyltoluene | 2.81 | Not Listed |
| | | | n-Propylbenzene | 8.86 | 260 |
| | | | Toluene | 0.346 | 820 |
| | | | 1,2,4-trimethylbenzene | 70.9 | 87 |
| | | | 1,3,5-trimethylbenzene | 6.89 | 180 |
| | | | Xylenes (m &p) | 18.5 | 390 |
| | | | Xylene (Ortho) | 0.551 | 430 |
| | | | Xylene, Total | 19.1 | 260 |
| | | PAHs | 1-methylnaphthalene | 6.09 | 310 |
| | | | 2-methylnaphthalene | 10.9 | 370 |
| | | | Naphthalene | 0.372 | 50 |
| | | | Phenanthrene | 7.09 | Not listed |
| | | Lead | | 6 | 400 |
| MW-12 (6-8') | 0.9 | VOCs | None Detected | - | - |
| | | PAHs | None Detected | - | - |
| | | Lead | | 5.7 | 400 |
| MW-13 (4-6') | 122 | VOCs | Benzene | 0.016 | 15 |
| | | | n-Butylbenzene | 0.00563 | 100 |
| | | | sec-Butylbenzene | 0.0136 | Not Listed |
| | | | Cumene | 0.00617 | 270 |
| | | | MTBE | 0.0088 | 600 |
| | | | n-Propylbenzene | 0.00565 | 260 |
| | | PAHs | Acenaphthene | 0.248 | Not Listed |
| | | | Anthracene | 0.15 | Not Listed |
| | | | Fluorene | 0.276 | Not Listed |
| | | | 1-methylnaphthalene | 0.393 | 310 |
| | | | 2-methylnaphthalene | 0.316 | 370 |
| | | | Naphthalene | 0.042 | 50 |
| | | | Phenanthrene | 0.449 | Not listed |
| | | | Pyrene | 0.154 | Not Listed |
| | | Lead | | 7.4 | 400 |

**1975 UST Closure Area - Temporary Sample Point Testing Results**

West Property Parcel Area - Parrish Leasing Facility

Maumee Avenue, Fort Wayne, IN

| Sample Identification | Sample Date | Lead (µg/L) | VOCs (µg/L) | | PAHs (µg/L) | |
|---|---|---|---|---|---|---|
| B1 | 6/13/2013 | 110 | None Detected | | None Detected | |
| B2 | 6/13/2013 | <10 | MTBE | 124 | None Detected | |
| B3 | 6/13/2013 | 39 | Benzene | 111 | Acenaphthene | 381 |
| | | | Ethylbenzene | 103 | Anthracene | 30.0 |
| | | | Cumene | 40.0 | Fluorene | 491 |
| | | | n-Propylbenzene | 62.9 | 1-methylnaphthalene | 1,240 |
| | | | 1,2,4-Trimethylbenzene | 181 | 2-Methylnaphthalene | 4,190 |
| | | | 1,3,5-Trimethylbenzene | 53.5 | Naphthalene | 1,030 |
| | | | Xylenes (total) | 113 | Phenanthrene | 894 |
| | | | | | Pyrene | 188 |
| B4 | 9/24/2013 | <10 | None Detected | | None Detected | |
| B5 | 9/24/2013 | 30 | None Detected | | None Detected | |
| SB-5 | 1/3/2012 | <10 | Benzene | 96.8 | 2-Methylnaphthalene | 2.07 |
| | | | Ethylbenzene | 90.0 | | |
| | | | Isopropylbenzene | 21.6 | | |
| | | | Naphtalene | 33.3 | | |
| | | | n-Propylbenzene | 45.3 | | |
| | | | Toluene | 10.4 | Naphthalene | 43.3 |
| | | | 1,2,4-Trimethylbenzene | 86.5 | | |
| | | | 1,3,5-Trimethylbenzene | 30.5 | | |
| | | | Xylenes (total) | 201 | | |
| SB-6 | 1/3/2012 | <10 | None Detected | | None Detected | |
| SB-7 | 11/27/2012 | <10 | None Detected | | None Detected | |
| SB-8 | 11/27/2012 | <10 | None Detected | | None Detected | |
| SB-9 | 11/27/2012 | <10 | ethylbenzene | 16.9 | 1-methylnaphthalene | 1.34 |
| | | | Cumene | 40.7 | | |
| | | | n-propylbenzene | 106 | 2-methylnaphthalene | 1.04 |
| | | | 1,2,4-trimethylbenzene | 38.6 | | |
| | | | 1,3,5-timethylbenzene | 6.31 | Naphthalene | 6.82 |
| | | | Xylenes (m&p) | 6.98 | | |
| SB-10 | 11/27/2012 | 47 | None Detected | | None Detected | |
| SB-11 | 11/27/2012 | <10 | None Detected | | None Detected | |

Naphthalene detected at SB-5 in both VOC and PAH analytical scans

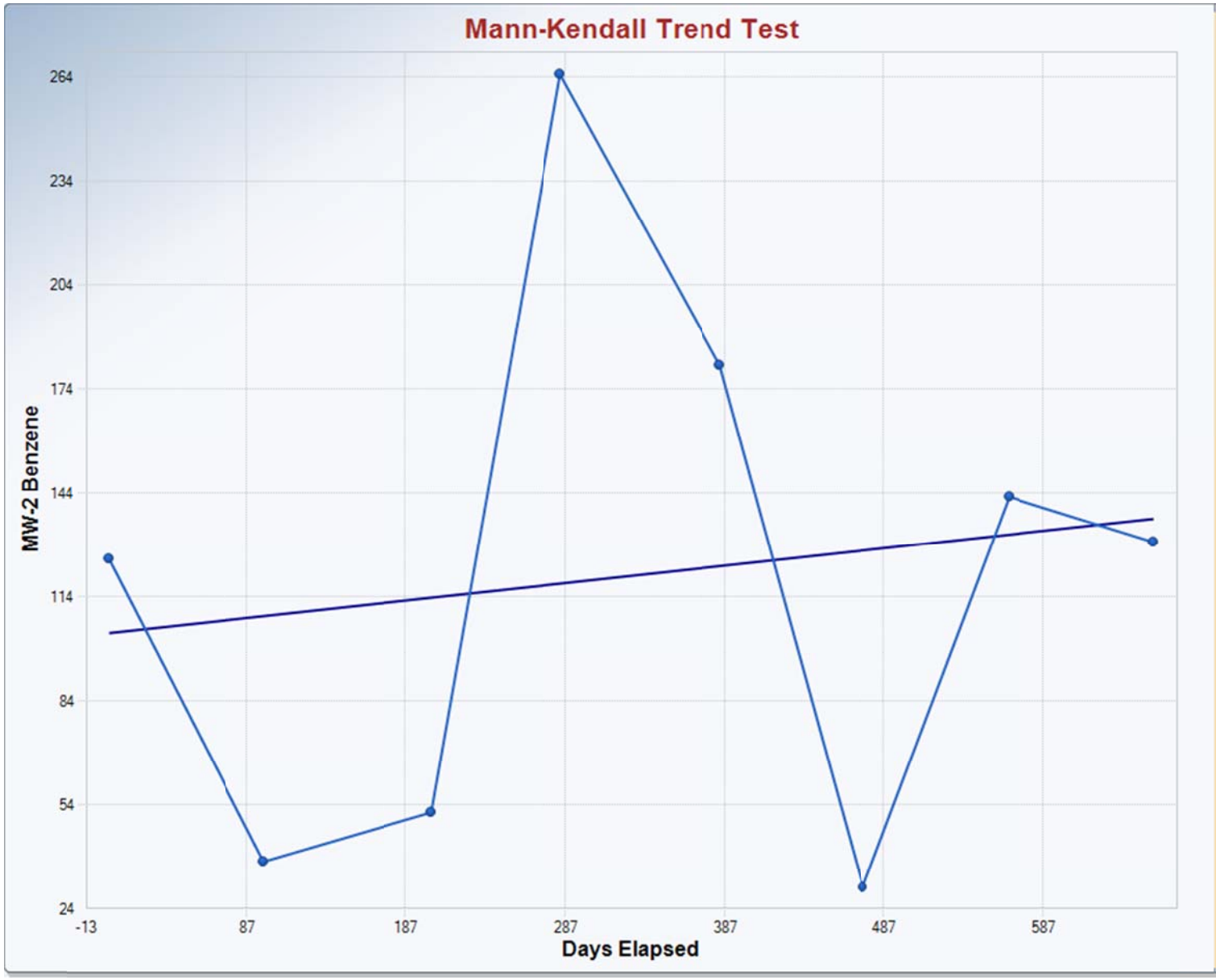
Groundwater samples analyzed for EDB on 11/27/12 with all results non-detect

QUARTERLY MONITORING REPORT

# APPENDIX D. TREND DATA

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509



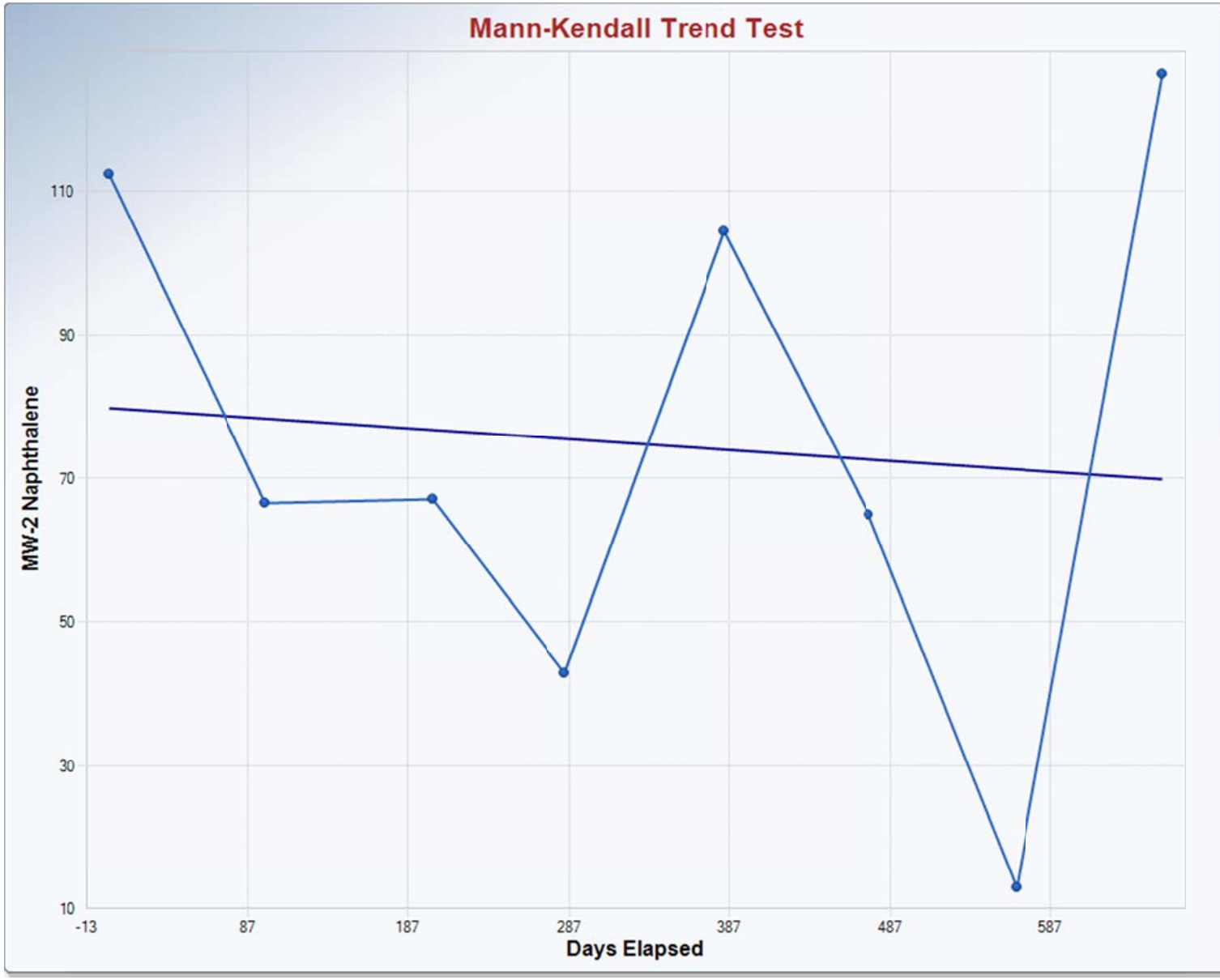

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | 0.1237 |
| Test Value (S) | 2 |
| Tabulated p-value | 0.4520 |
| Approximate p-value | 0.4508 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | 0.0505 |
| OLS Regression Intercept | 103.5782 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



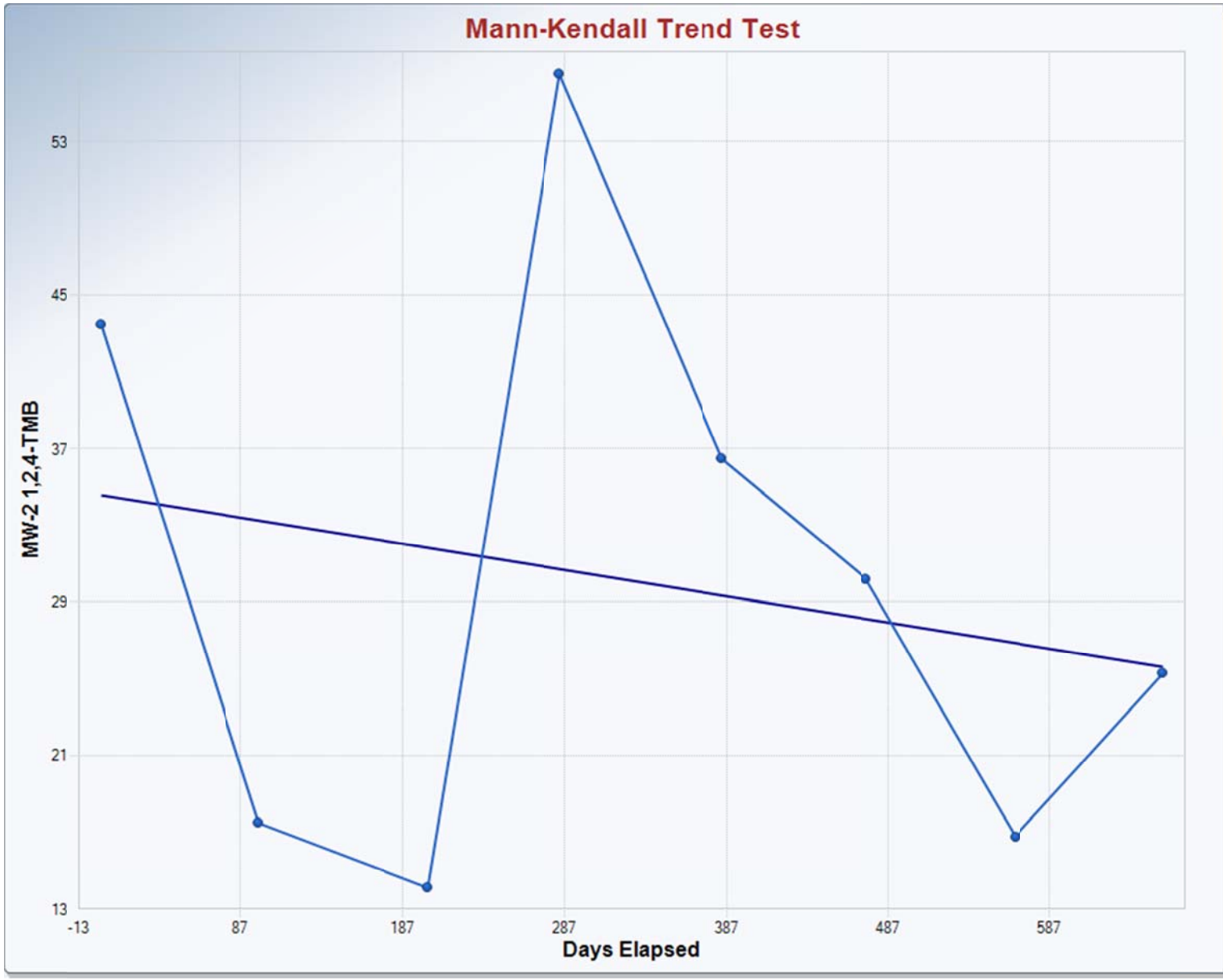

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -0.3712 |
| Test Value (S) | -4 |
| Tabulated p-value | 0.3600 |
| Approximate p-value | 0.3553 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0153 |
| OLS Regression Intercept | 79.3550 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



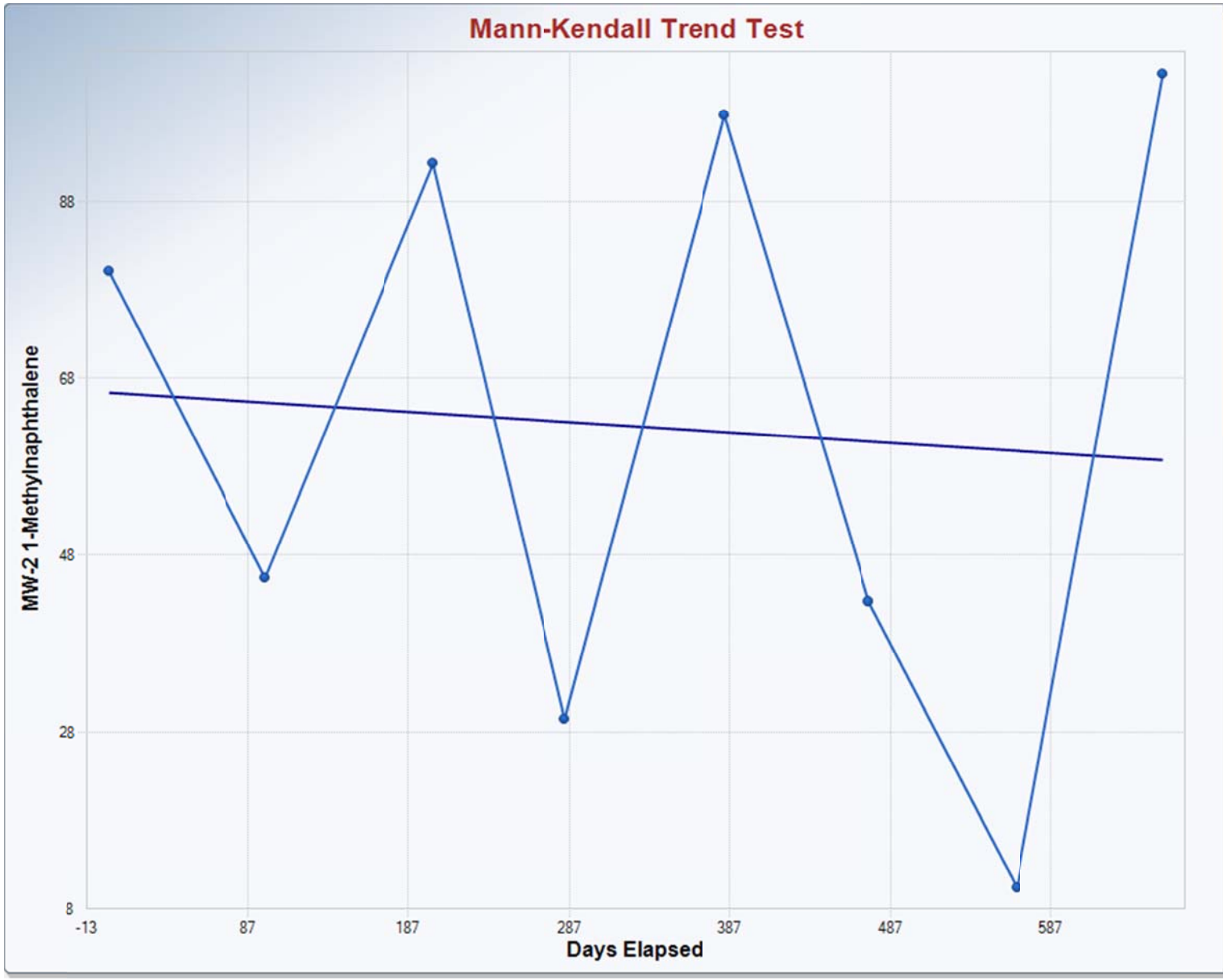

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -0.6186 |
| Test Value (S) | -6 |
| Tabulated p-value | 0.2740 |
| Approximate p-value | 0.2681 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0137 |
| OLS Regression Intercept | 34.6227 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



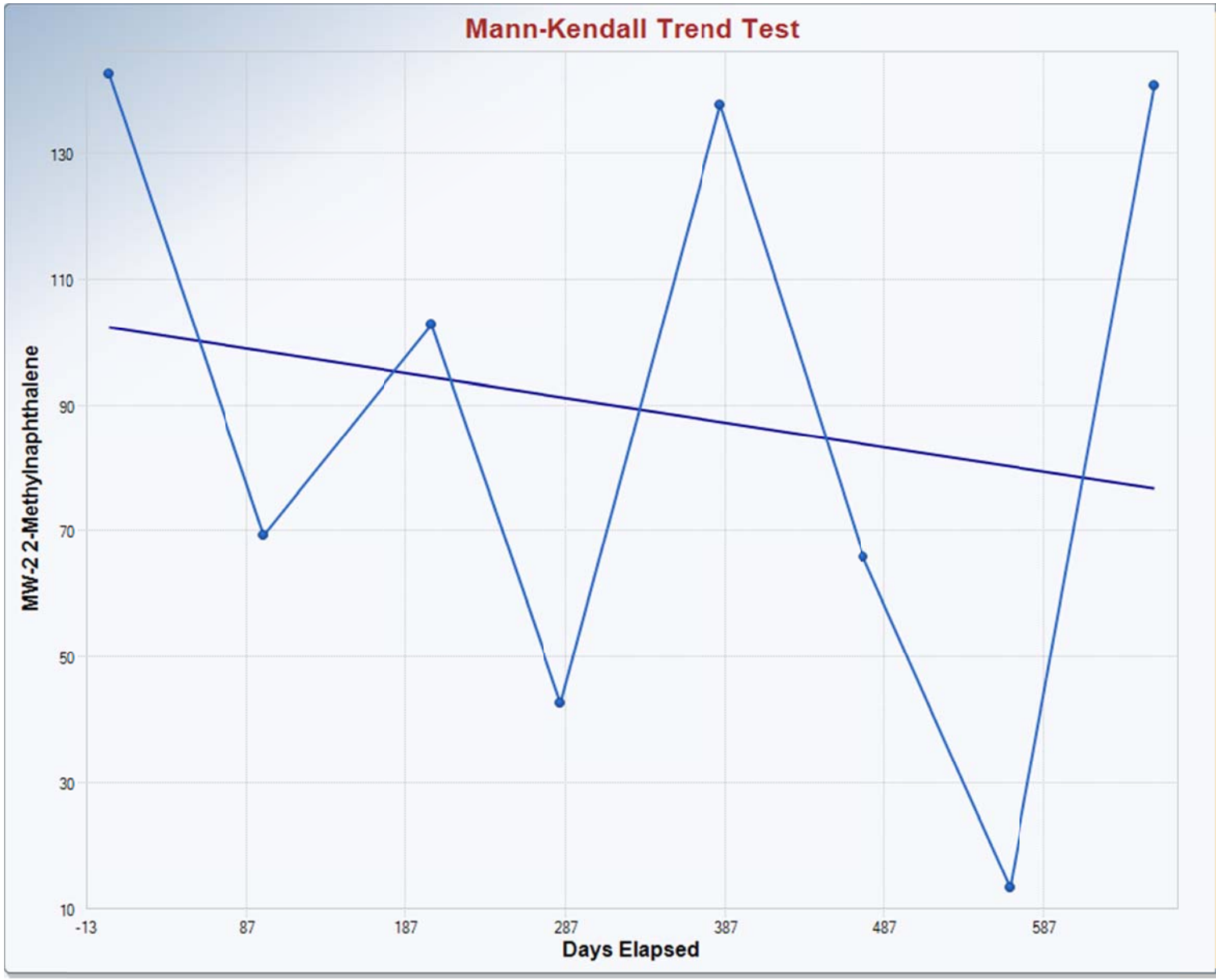

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | |
| Test Value (S) | 0 |
| Tabulated p-value | 0.5480 |
| Approximate p-value | |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0117 |
| OLS Regression Intercept | 66.9622 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



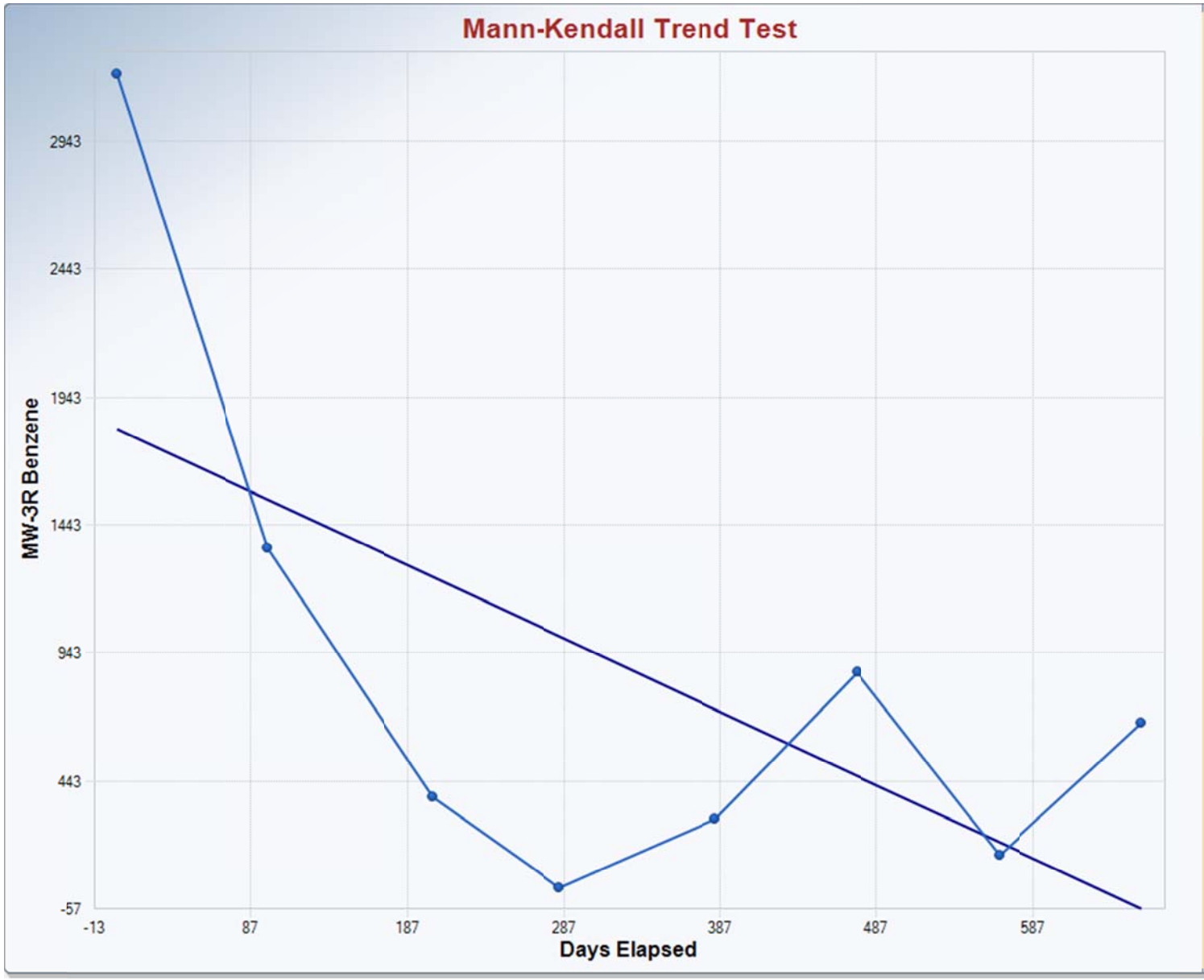

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -0.6186 |
| Test Value (S) | -6 |
| Tabulated p-value | 0.2740 |
| Approximate p-value | 0.2681 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0393 |
| OLS Regression Intercept | 102.7734 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



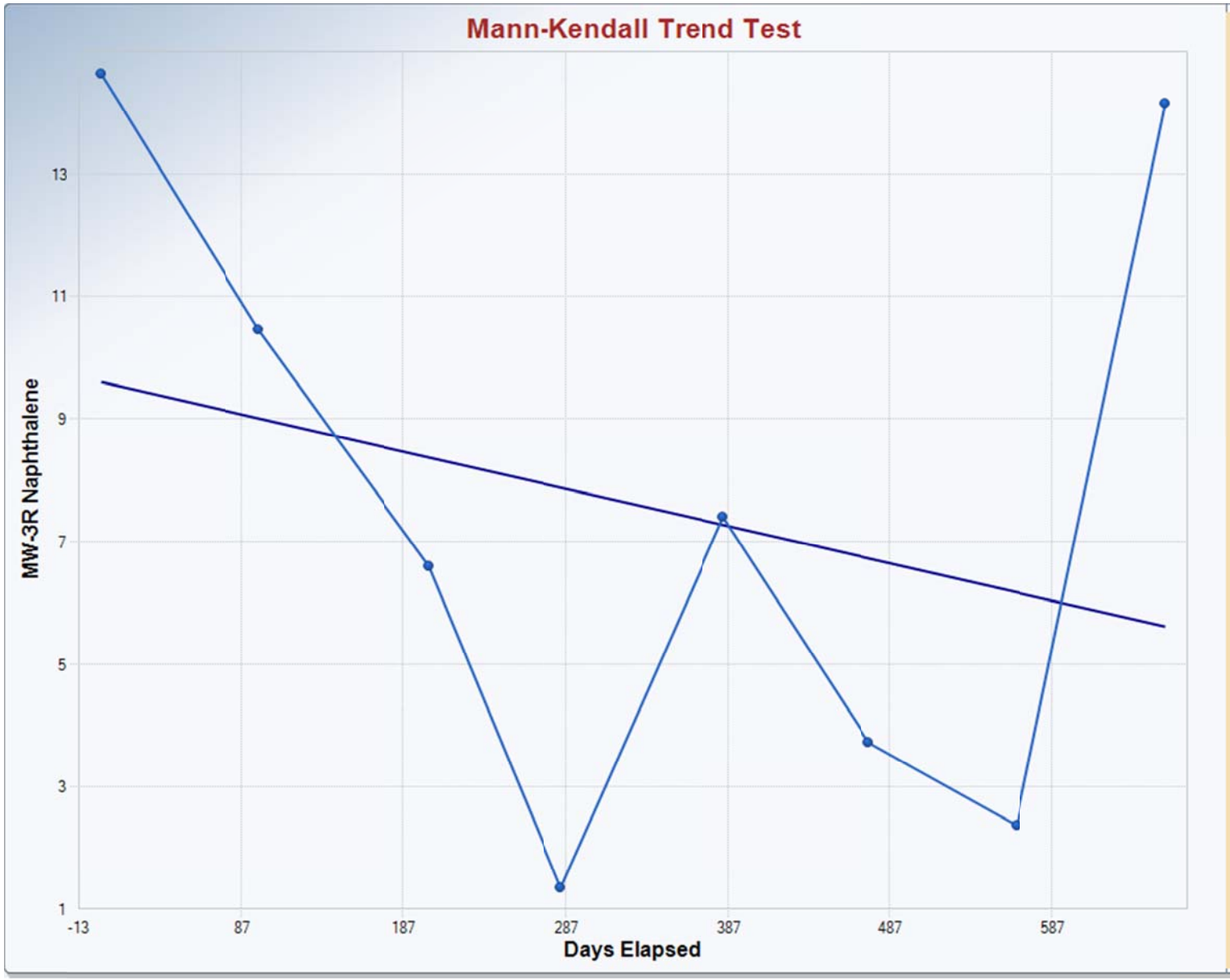

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -1.1135 |
| Test Value (S) | -10 |
| Tabulated p-value | 0.1380 |
| Approximate p-value | 0.1328 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -2.8582 |
| OLS Regression Intercept | 1,820.6134 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



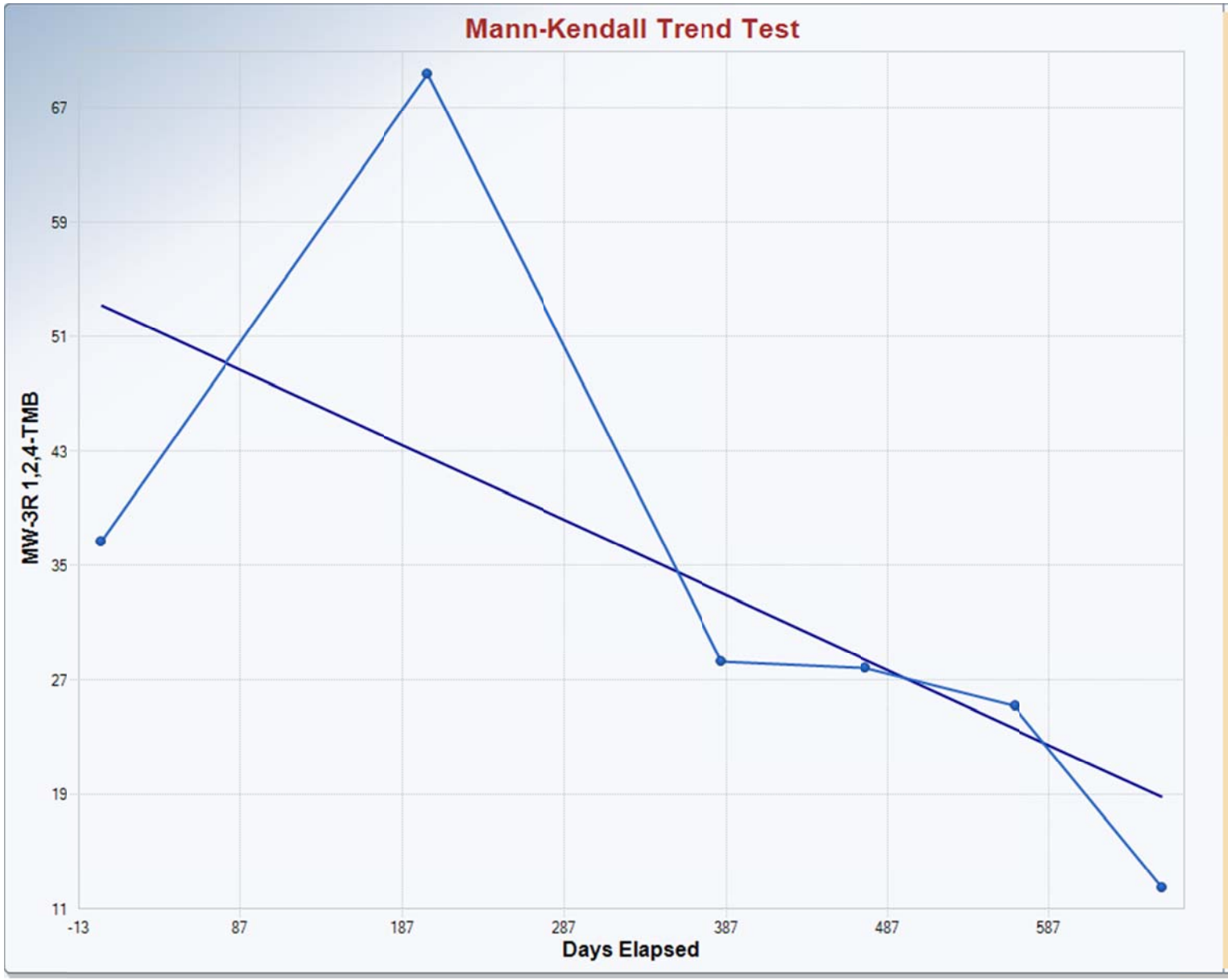

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -0.8660 |
| Test Value (S) | -8 |
| Tabulated p-value | 0.1190 |
| Approximate p-value | 0.1932 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0061 |
| OLS Regression Intercept | 9.3677 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



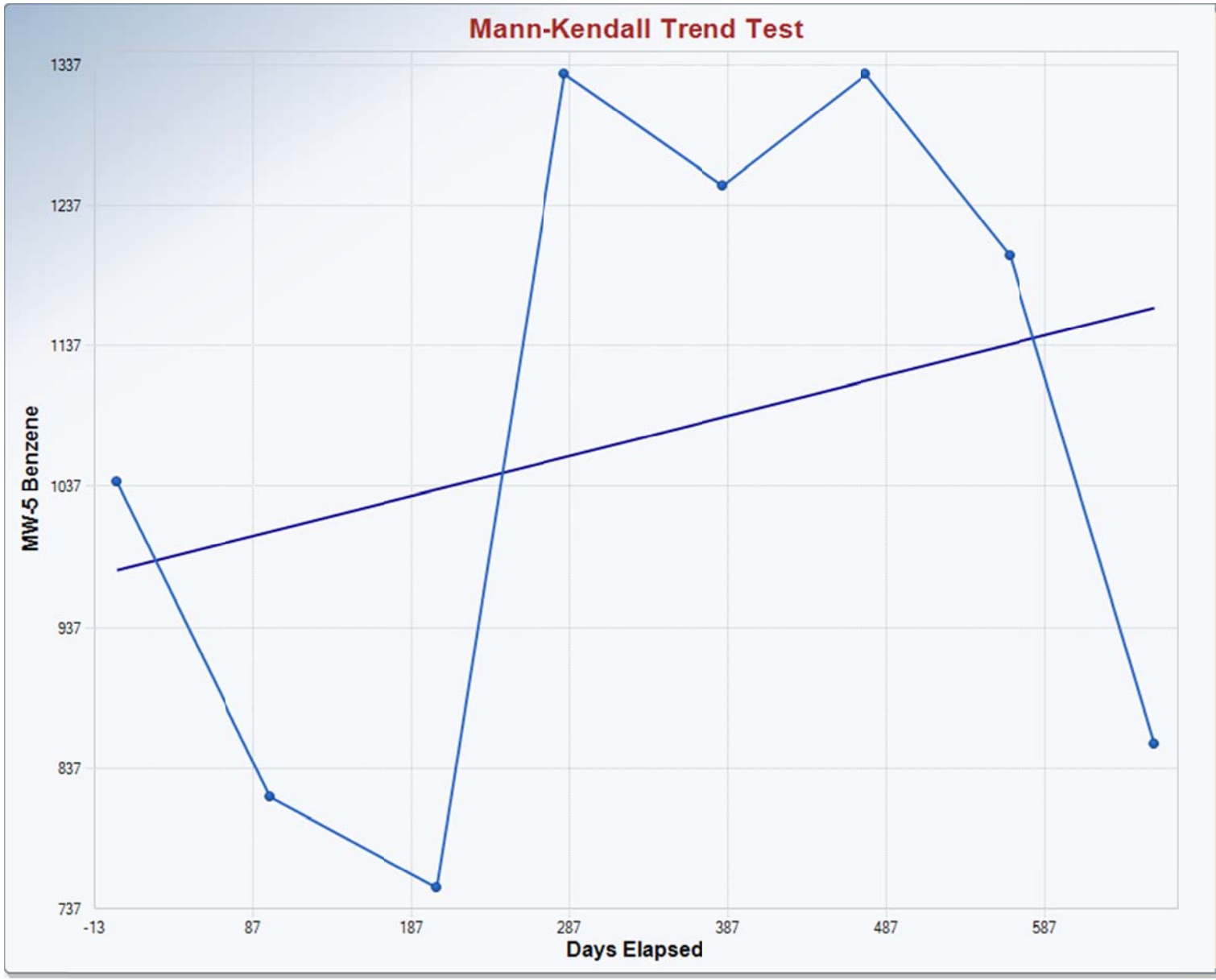

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 6 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 5.3229 |
| Standardized Value of S | -2.2544 |
| Test Value (S) | -13 |
| Tabulated p-value | 0.0080 |
| Approximate p-value | 0.0121 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | -0.0525 |
| OLS Regression Intercept | 53.3565 |

Statistically significant evidence of a decreasing trend at the specified level of significance.



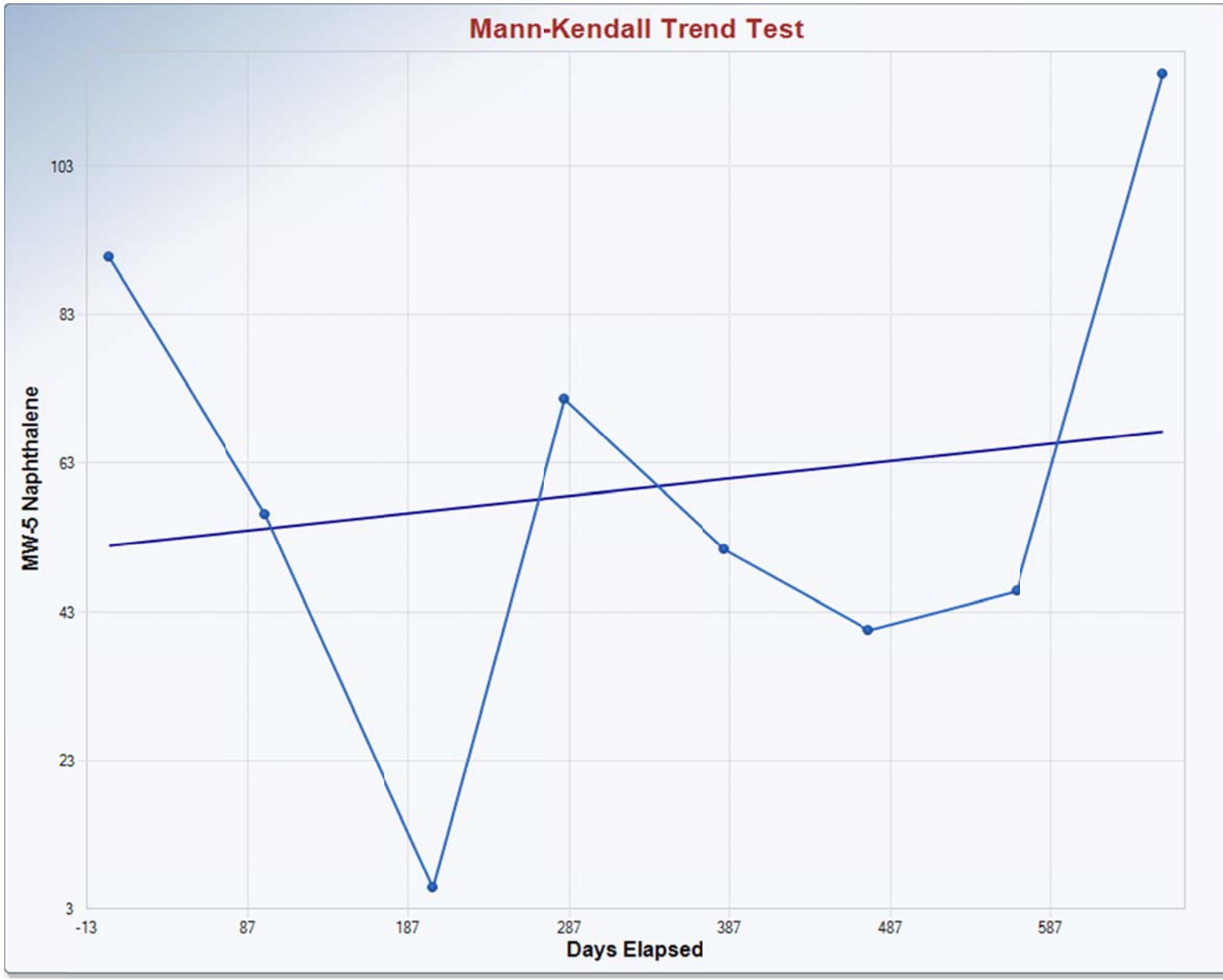

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0208 |
| Standardized Value of S | 0.2494 |
| Test Value (S) | 3 |
| Tabulated p-value | 0.4520 |
| Approximate p-value | 0.4015 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | 0.2863 |
| OLS Regression Intercept | 976.0005 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



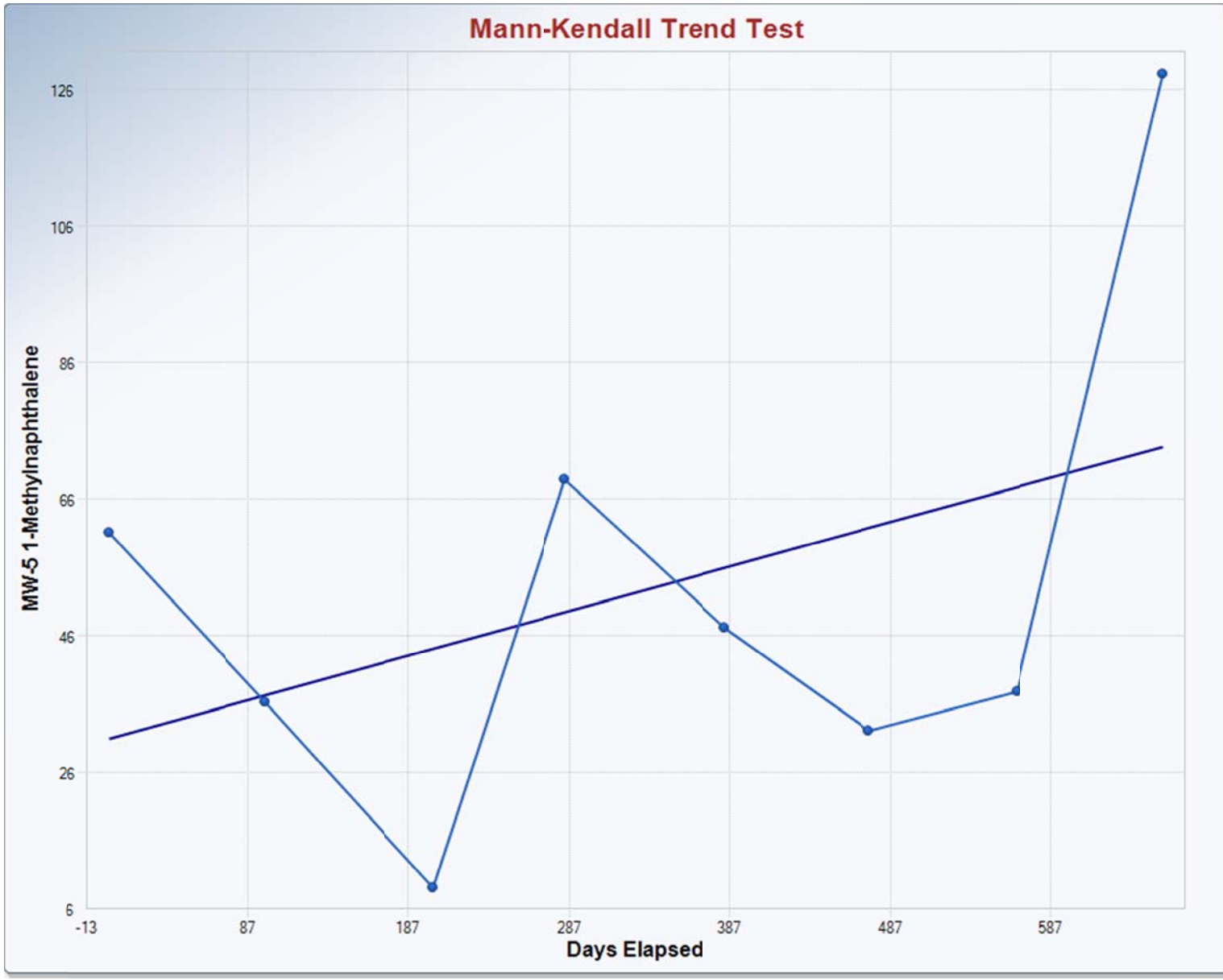

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | -0.1237 |
| Test Value (S) | -2 |
| Tabulated p-value | 0.4520 |
| Approximate p-value | 0.4508 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | 0.0236 |
| OLS Regression Intercept | 51.3061 |

Insufficient statistical evidence of a significant trend at the specified level of significance.



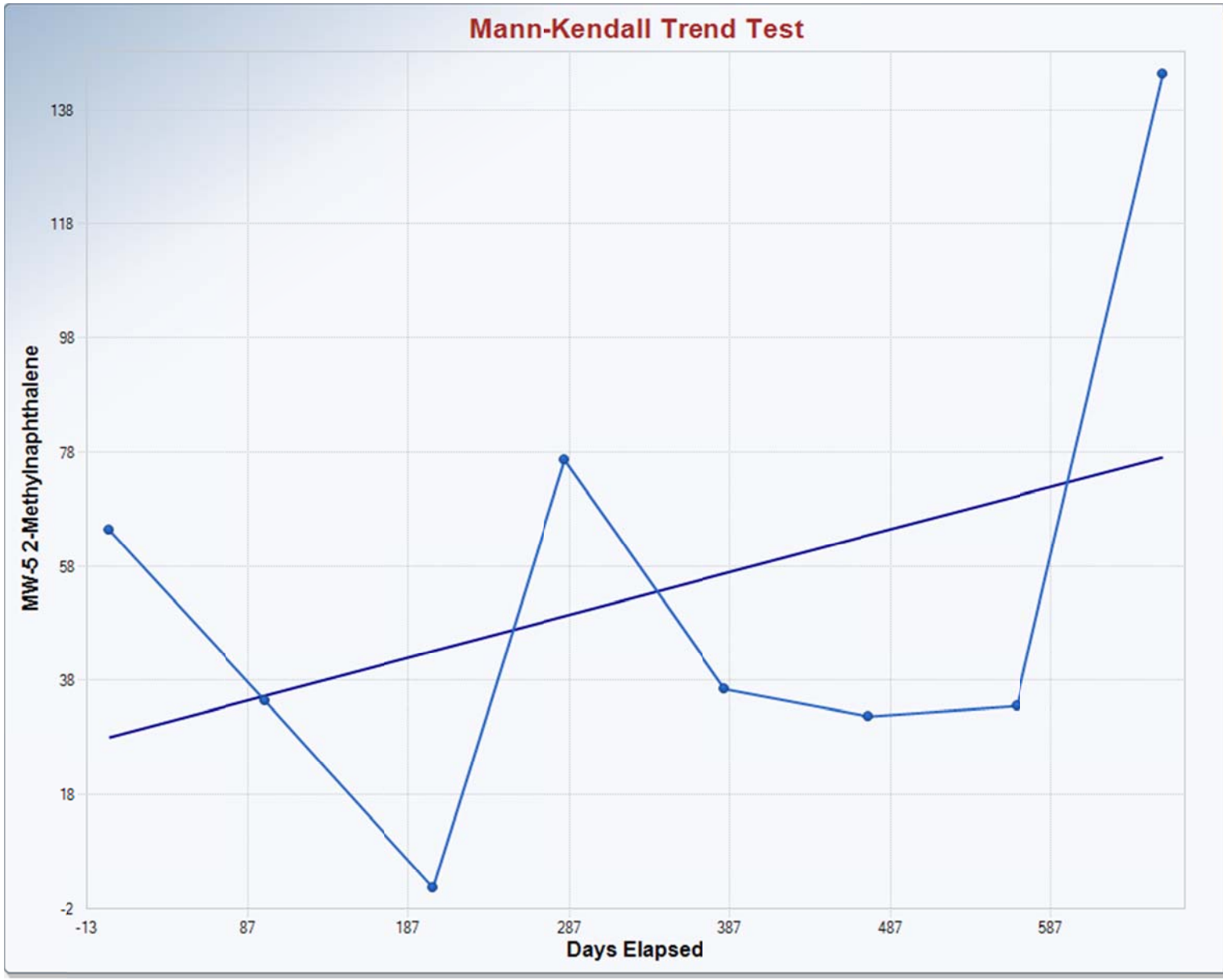

**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | 0.3712 |
| Test Value (S) | 4 |
| Tabulated p-value | 0.3600 |
| Approximate p-value | 0.3553 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | 0.0652 |
| OLS Regression Intercept | 30.4274 |

Insufficient statistical evidence of a significant trend at the specified level of significance.




**Mann-Kendall Trend Analysis**

| | |
|---|---|
| n | 8 |
| Confidence Coefficient | 0.9500 |
| Level of Significance | 0.0500 |
| Standard Deviation of S | 8.0829 |
| Standardized Value of S | 0.1237 |
| Test Value (S) | 2 |
| Tabulated p-value | 0.4520 |
| Approximate p-value | 0.4508 |

**OLS Regression Line (Blue)**

| | |
|---|---|
| OLS Regression Slope | 0.0749 |
| OLS Regression Intercept | 27.5988 |

Insufficient statistical evidence of a significant trend at the specified level of significance.

QUARTERLY MONITORING REPORT

# APPENDIX E. FIELD AND LAB DATA

Parrish Leasing
3805 Old Maumee Avenue
Fort Wayne, Allen County, Indiana

FID #7777
LUST #2009-12-509

**Project Number:** **2009-145**

Project Name: Parrish Leasing

Customer: Parrish Leasing

**General Site Information**

**Project Manager:** Rose

**Field Notes To:** Lauren

**Sampling Schedule:** 2x per month

**ELF Job:** [X] Yes [ ] No

**Mileage:** 18

3805 Old Maumee Fort Wayne, IN

**Field Notes**

**Date** 7-15-16 **Personnel** BB

**On-site** [illegible] **Leave site** 12:30

**Weather** Sunny 80's

| Well ID | DTP | DTW | Amt Purged | Time purged | Other Notes |
|---|---|---|---|---|---|
| MW-2 | | 8.52 | | | |
| MW-3R | | 7.25 | | | |
| MW-SB3 | | 12.48 | | | |
| TP-1-1 | | 12.48 | | | |
| TP-1-2 | | 12.65 | | | |
| EX-1 | | | | | inaccessable |
| MW-5 | | | | | inaccessable |
| MW-9 | | | | | inaccessable |
| TP-2-1 | | 6.59 | | | |
| TP-2-2 | | | | | inaccessible |
| EX-2 | | | | | inaccessible |
| MW-11 | | 8.75 | | | |
| MW-13 | | 6.52 | | | |

**Project Number:** 2009-145

Project Name: Parrish Leasing

Customer: Parrish Leasing

**General Site Information**

**Project Manager:** Rose

**Field Notes To:** Lauren

**Sampling Schedule:** 2x per month

**ELF Job:** X Yes ___ No

**Mileage:** 18

3805 Old Maumee Fort Wayne, IN

**Field Notes**

**Date** 8/26/16 **Personnel** L. Muy **Weather** sunny, warm, 70s-80s

**On-site** 14:30 **Leave site** 4:32

leave SES @ 14:00 back to SES @ 4:54

| Well ID | DTP | DTW | Amt Purged | Time purged | Other Notes |
|---|---|---|---|---|---|
| MW-2 | — | 9.36 | — | — | |
| MW-3R | — | 7.81 | — | — | |
| MW-SB3 | 13.08 | 13.10 | — | — | |
| ~~TP-1-1~~ EX-B | 6.16 | 6.23 | 0.5 gal | 16:12-16:16 | purged product & water mixture |
| ~~TP-1-2~~ EX-E | 5.52 | 5.69 | 1 gal | 16:02-16:10 | purged product & water mixture |
| EX-1 | — | 11.71 | — | — | |
| MW-5 | — | 6.17 | — | — | |
| MW-9 | 5.91 | 6.95 | 2 gal | 15:00-15:15 | purged all visible product |
| ~~TP-2-1~~ EX-F | 5.10 | 5.47 | 1.5 gal | 15:52-16:00 | purged product & water mixture |
| ~~TP-2-2~~ | | | | | |
| EX-2 | 6.06 | 10.54 | 3.5 gal | 15:18-15:50 | purged ~3.5 gal of product ONLY |
| MW-11 | 9.31 | 9.35 | — | — | no abatement conducted due to limited LPH |
| MW-13 | 6.49 | 6.62 | — | — | did not purge → purged EX-2 instead |

* open up wells; gauge; purge wells with significant product levels; drum up purge water & leave

**Project Number:** **2009-145**

Project Name: Parrish Leasing

Customer: Parrish Leasing

**General Site Information**

**Project Manager:** Rose

**Field Notes To:** Lauren

**Sampling Schedule:** 2x per month

**ELF Job:** [X] Yes [ ] No

**Mileage:** 18

3805 Old Maumee Fort Wayne, IN

**Field Notes Date** 9/12/16 **Personnel** BB **Weather**

**On-site** 10:15 **Leave site** 12:45

| Well ID | DTP | DTW | Amt Purged | Time purged | Other Notes |
|---|---|---|---|---|---|
| MW-2 | — | 9.30 | — | — | |
| MW-3R | — | 7.39 | — | — | |
| MW-SB3 | — | 12.78 | — | — | |
| TP-1-1 | — | 12.19 | — | — | |
| TP-1-2 | — | 12.85 | — | — | |
| EX-1 | — | 11.38 | — | — | |
| MW-5 | — | 5.73 | — | — | |
| MW-9 | inaccessible | | | | |
| TP-2-1 | | 6.40 | | | |
| TP-2-2 | inaccessible | | | | |
| EX-2 | 6.05 | 7.95 | 2.5gal | 12:05-12:37 | product + water - mostly product |
| MW-11 | — | 9.31 | | | |
| MW-13 | 6.35 | 6.45 | 2.25 | 11:52-12:05 | |

left SES at 9:00 gas sample along route on site 10:15
wells open @ 10:35 gauge at 11:20 purge start 11:52
Left at 12:45

**Project Number:** 2009-145

Project Name: Parrish Leasing

Customer: Parrish Leasing

**General Site Information**

**Project Manager:** Rose

**Field Notes To:** Lauren

**Sampling Schedule:** 2x per month

**ELF Job:** [X] Yes [ ] No

**Mileage:** 18

3805 Old Maumee Fort Wayne, IN

**Field Notes**

**Date** 9/30/16 **Personnel** L. Meeny **Weather** cool, raining

**On-site** 12:20 **Leave site** 16:45

Leave @ 13:45 SES @

| Well ID | DTP | DTW | Amt Purged | Time purged | Other Notes |
|---|---|---|---|---|---|
| MW-2 | — | 9.18 | — | — | did not purge |
| MW-3R | — | 5.60 | — | — | |
| MW-SB3 | 13.09 | 13.16 | — | — | |
| ~~TP-1-1~~ EX-B | — | — | — | — | inaccessible - under truck tire |
| ~~TP-1-2~~ EX-E | 5.66 | 6.07 | 3 gal | 15:51-16:06 | purged mostly LPH & some water |
| EX-1 | — | 11.74 | — | — | no LPH |
| MW-5 | — | 6.45 | — | — | no LPH |
| MW-9 | 6.01 | 8.71 | 1.5 gal | 15:37-15:45 | purged water & LPH mixture |
| ~~TP-2-1~~ EX-F | 5.33 | 5.94 | 2.5 gal | 16:11-16:24 | purged water & LPH mixture |
| ~~TP-2-2~~ | | | | | |
| EX-2 | 6.98 | 7.69 | 1.5 gal | 14:53-15:03 | purged water & LPH mixture |
| MW-11 | 9.40 | 9.42 | 1.25 gal | 15:14-15:25 | purged water & LPH mixture |
| MW-13 | 6.71 | 7.23 | 0.25 gal | 14:40-14:45 | purged water & LPH mixture until dry |

To site, open up wells and vaults, let sit ~15 min, gauge, begin purging, close up drum before leaving site, unpack @ SES once back and clean off equipment

7/26/11 2009-145 Parish Leasing

scope: 3Q sampling

weather: warm, sunny, 80's

equip: SWL, IFP, sample supplies, peristaltic, metal detector

personnel: L. Ney

pack @ 8 am go to ELTF meeting @ 8:30; continue to pack @ 9:40, leave @ 9:45 onsite @ 10:10; locate & open all wells, let sit ~30 min, gauge, purge, sample

trip blank @ 9:42

| Well ID | SWL | Purge |
|---|---|---|
| MW-15 | 12.57 | 0.5 |
| MW-1 | 8.93 | 0.5 |
| MW-7R | 12.13 | 0.5 |
| MW-9R | 12.75 | 0.5 |
| MW-14 | 9.72 | 0.3 |
| MW-12 | | |
| MW-4 | 5.51 | 0.6 |
| MW-6 | 9.22 | 0.25 |
| MW-10 | 9.61 | 0.3 |
| MW-3R | 7.54 | 0.5 |
| MW-8BB | 12.76-13.50 | abate |
| MW-11 | 8.87-8.90 | 0.3 |
| MW-2 | 8.88 | 0.6 |
| MW-5 | | |
| MW-9 | | |
| MW-13 | 6.55-6.64 | abate |

Sample Notes

MW-15 @ 11:42 colorless, sl. turbid, no o/s, purged ~0.4 gal

MW-1 @ 12:02 gray, sl. turbid, no o/s purged ~0.5 gal hitting bottom

MW-7R @ 12:23 colorless, not turbid, no o/s, purged ~0.5 gal

MW-8R @ 12:40 gray, turbid, odor, sheen purged ~0.25 gal hitting bottom

MW-4 @ 13:00 brown, turbid, no o/s purged ~0.4 gal hitting bottom

MW-6 @ 13:12 gray, sl. turbid, no o/s non-purge - hit bottom

MW-14 @ 13:25 tan, sl. turbid, no o/s purged ~0.2 gal hitting bottom

MW-10 @ 14:16 tan, sl. turbid, no o/s non-purge → hit bottom

drum < 1/4 full

MW-3R @ 14:31 colorless, sl. turbid, odor, sheen, purged ~0.4 gal

MW-2 @ 14:50 colorless, not turbid, odor, sheen, purged ~0.5 gal

MW-11 @ 15:10 tan, sl. turbid, odor, sheen, purged ~0.5 gal duplicate "MW-20"

* unable to locate MW-12, MW-5 and MW-9 due to trenching/grading at site. marked out potential locations with pink spray paint & will uncover, sample, & conduct product abatement tmrw!

* finished afternoon by cleaning off located wells & spraying bright pink

leave site @ 15:45
SES @ 16:10
unpack by: 16:30

7/27/16 2009-145 Parish Leasing

scope: finish 3Q sampling
weather: warm, sunny, 70s
equip: bailers, sample supplies,
IFP, metal detector,
pressure washer
personnel: L. Mey, T. Rutherford

pack @ 7:35, leave by 7:45
onsite by 8:20

* attempt to locate MW-5,
MW-9 and MW-12

MW-12 7.59
sampled @ 10:15 tan, turbid,
no o/s, purged ~0.5 gal

MW-5 6.03
sampled @ 10:42
colorless, sl. turbid, odor, sheen
purged ~0.4 gal

MW-9 6.05 no detectable
LPH with IFP; went to sample
& pulled up ~ 34" LPH;
continued to abate ~0.25 gal

* clean off & spray paint
missing monitor wells

leave @ 11:07
office @ 11:30

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Ms. Rose Gabet
SES Environmental
3807 Transportation Drive
Fort Wayne, IN 46818

August 9, 2016

ENVision Project Number: 2016-2160
Client Project Name: 2009-145 Parrish Leasing

Dear Ms. Gabet,

Please find the attached analytical report for the samples received July 29, 2016. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

The reference for the preservation technique utilized by ENVision Laboratories for Volatile Organics in soil may be found on Table A.1 (p. 42) of Method 5035A: Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples, July 2002, Draft Revision 1.

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

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

Yours Sincerely,

Cheryl A. Crum

Cheryl A. Crum

Director of Project Management
ENVision Laboratories, Inc.

PA DEP Lab Code: 68-04846 NELAP Cert:005

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-1
**Envision Sample Number:** 16-15321
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:02
**Sample Received Date/Time:** 7/29/16 13:27

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 109% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 104% | | |
| Toluene-d8 (surrogate) | 95% | | |
| 4-bromofluorobenzene (surrogate) | 90% | | |
| Analysis Date/Time: | 08-02-16/22:49 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080316PW1

**Client Sample ID:** MW-1
**Envision Sample Number:** 16-15321
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:02
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 55% |
| 2-Fluorobiphenyl (surrogate) | 63% |
| p-Terphenyl-d14 (surrogate) | 88% |
| Analysis Date/Time: | 8-3-16/19:38 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-2 **Sample Collection Date/Time:** 7/26/16 14:50
**Envision Sample Number:** 16-15322 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **130** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | **8.65** | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **101** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | **17.5** | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | **22.5** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **25.3** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 105% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 91% | | |
| Toluene-d8 (surrogate) | 95% | | |
| 4-bromofluorobenzene (surrogate) | 89% | | |
| Analysis Date/Time: | 08-02-16/23:09 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-2
**Envision Sample Number:** 16-15322
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 14:50
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | **103** | 20.0 | 3 |
| 2-methylnaphthalene | **141** | 20.0 | 3 |
| Naphthalene | **126** | 20.0 | 3 |
| Phenanthrene | **7.49** | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 50% |
| 2-Fluorobiphenyl (surrogate) | 62% |
| p-Terphenyl-d14 (surrogate) | 60% |
| Analysis Date/Time: | 8-3-16/20:03 |
| Analyst Initials | ajg |
| Date Extracted | 8/31/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-3R
**Envision Sample Number:** 16-15323
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 14:31
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **671** | 50 | 2 |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **35.8** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **8.35** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **12.5** | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **29.0** | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | **29.0** | 10 | |
| Dibromofluoromethane (surrogate) | 114% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 90% | | |
| Toluene-d8 (surrogate) | 97% | | |
| 4-bromofluorobenzene (surrogate) | 88% | | |
| Analysis Date/Time: | 08-02-16/23:29 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-3R
**Envision Sample Number:** 16-15323
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 14:31
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | **6.29** | 1.0 | |
| 2-methylnaphthalene | **3.53** | 1.0 | |
| Naphthalene | **13.9** | 1.0 | 6 |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 63% |
| 2-Fluorobiphenyl (surrogate) | 69% |
| p-Terphenyl-d14 (surrogate) | 62% |
| Analysis Date/Time: | 8-3-16/20:28 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-4 **Sample Collection Date/Time:** 7/26/16 13:00
**Envision Sample Number:** 16-15324 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 113% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 98% | | |
| Toluene-d8 (surrogate) | 99% | | |
| 4-bromofluorobenzene (surrogate) | 84% | | |
| Analysis Date/Time: | 08-02-16/23:49 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-4
**Envision Sample Number:** 16-15324
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 13:00
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 58% |
| 2-Fluorobiphenyl (surrogate) | 64% |
| p-Terphenyl-d14 (surrogate) | 71% |
| Analysis Date/Time: | 8-3-16/20:53 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-5 **Sample Collection Date/Time:** 7/27/16 10:42
**Envision Sample Number:** 16-15325 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **854** | 50 | 2 |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | **10.4** | 5 | |
| sec-Butylbenzene | **11.1** | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **111** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | **13.8** | 5 | |
| p-Isopropyltoluene | **19.8** | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | **23.0** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **73.6** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **148** | 5 | |
| 1,3,5-Trimethylbenzene | **56.7** | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **191** | 5 | |
| Xylene, 0rtho | **39.0** | 5 | |
| Xylene (Total) | **230** | 10 | |
| Dibromofluoromethane (surrogate) | 105% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 92% | | |
| Toluene-d8 (surrogate) | 94% | | |
| 4-bromofluorobenzene (surrogate) | 98% | | |
| Analysis Date/Time: | 08-03-16/00:29 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-5
**Envision Sample Number:** 16-15325
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/27/16 10:42
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | **128** | 50.0 | 4 |
| 2-methylnaphthalene | **144** | 50.0 | 4 |
| Naphthalene | **115** | 50.0 | 4 |
| Phenanthrene | **65.5** | 50.0 | 4 |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 55% |
| 2-Fluorobiphenyl (surrogate) | 63% |
| p-Terphenyl-d14 (surrogate) | 65% |
| Analysis Date/Time: | 8-3-16/21:18 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-6 **Sample Collection Date/Time:** 7/26/16 13:12
**Envision Sample Number:** 16-15326 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 114% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 99% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 84% | | |
| Analysis Date/Time: | 08-03-16/01:08 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-6
**Envision Sample Number:** 16-15326
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 13:12
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | **0.19** | 0.10 | |
| Benzo(b)fluoranthene | **0.23** | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | **0.19** | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 57% |
| 2-Fluorobiphenyl (surrogate) | 61% |
| p-Terphenyl-d14 (surrogate) | 62% |
| Analysis Date/Time: | 8-3-16/21:43 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-7R
**Envision Sample Number:** 16-15327
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:33
**Sample Received Date/Time:** 7/29/16 13:27

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 116% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 83% | | |
| Analysis Date/Time: | 08-03-16/01:28 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-7R
**Envision Sample Number:** 16-15327
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:33
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 56% |
| 2-Fluorobiphenyl (surrogate) | 59% |
| p-Terphenyl-d14 (surrogate) | 60% |
| Analysis Date/Time: | 8-3-16/22:09 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080216VW

**Client Sample ID:** MW-8R
**Envision Sample Number:** 16-15328
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:40
**Sample Received Date/Time:** 7/29/16 13:27

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 110% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 99% | | |
| 4-bromofluorobenzene (surrogate) | 83% | | |
| Analysis Date/Time: | 08-03-16/01:47 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-8R
**Envision Sample Number:** 16-15328
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 12:40
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | **2.67** | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | **1.93** | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 58% |
| 2-Fluorobiphenyl (surrogate) | 65% |
| p-Terphenyl-d14 (surrogate) | 59% |
| Analysis Date/Time: | 8-3-16/22:34 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-10 **Sample Collection Date/Time:** 7/26/16 14:16
**Envision Sample Number:** 16-15329 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 110% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 101% | | |
| Toluene-d8 (surrogate) | 95% | | |
| 4-bromofluorobenzene (surrogate) | 83% | | |
| Analysis Date/Time: | 08-03-16/18:18 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-10
**Envision Sample Number:** 16-15329
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 14:16
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 52% |
| 2-Fluorobiphenyl (surrogate) | 59% |
| p-Terphenyl-d14 (surrogate) | 56% |
| Analysis Date/Time: | 8-3-16/22:59 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-11 **Sample Collection Date/Time:** 7/26/16 15:10
**Envision Sample Number:** 16-15330 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **196** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | **8.09** | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **120** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | **18.9** | 5 | |
| p-Isopropyltoluene | **7.30** | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **6.09** | 5 | |
| n-Propylbenzene | **27.7** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **16.1** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **71.5** | 5 | |
| 1,3,5-Trimethylbenzene | **19.9** | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **137** | 5 | |
| Xylene, 0rtho | **53.7** | 5 | |
| Xylene (Total) | **191** | 10 | |
| Dibromofluoromethane (surrogate) | 111% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 93% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 100% | | |
| Analysis Date/Time: | 08-03-16/18:37 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-11
**Envision Sample Number:** 16-15330
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 15:10
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | **7.40** | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | **107** | 20.0 | 3 |
| 2-methylnaphthalene | **132** | 20.0 | 3 |
| Naphthalene | **93.0** | 20.0 | 3 |
| Phenanthrene | **23.2** | 20.0 | 3 |
| Pyrene | **1.27** | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 57% |
| 2-Fluorobiphenyl (surrogate) | 73% |
| p-Terphenyl-d14 (surrogate) | 64% |
| Analysis Date/Time: | 8-3-16/23:24 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-12 **Sample Collection Date/Time:** 7/27/16 10:15
**Envision Sample Number:** 16-15331 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 111% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 97% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 84% | | |
| Analysis Date/Time: | 08-03-16/19:16 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-12
**Envision Sample Number:** 16-15331
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/27/16 10:15
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 52% |
| 2-Fluorobiphenyl (surrogate) | 58% |
| p-Terphenyl-d14 (surrogate) | 58% |
| Analysis Date/Time: | 8-3-16/23:49 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-14 **Sample Collection Date/Time:** 7/26/16 13:25
**Envision Sample Number:** 16-15332 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | < 5 | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | < 5 | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | **12.4** | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 112% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 101% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 87% | | |
| Analysis Date/Time: | 08-03-16/19:36 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-14
**Envision Sample Number:** 16-15332
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 13:25
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 49% |
| 2-Fluorobiphenyl (surrogate) | 57% |
| p-Terphenyl-d14 (surrogate) | 51% |
| Analysis Date/Time: | 8-4-16/00:14 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-15 **Sample Collection Date/Time:** 7/26/16 11:42
**Envision Sample Number:** 16-15333 **Sample Received Date/Time:** 7/29/16 13:27
**Sample Matrix:** water

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 115% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 103% | | |
| Toluene-d8 (surrogate) | 96% | | |
| 4-bromofluorobenzene (surrogate) | 79% | | |
| Analysis Date/Time: | 08-03-16/19:55 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-15
**Envision Sample Number:** 16-15333
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 11:42
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | < 1.0 | 1.0 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 52% |
| 2-Fluorobiphenyl (surrogate) | 57% |
| p-Terphenyl-d14 (surrogate) | 64% |
| Analysis Date/Time: | 8-4-16/00:39 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** MW-20
**Envision Sample Number:** 16-15334
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 15:30
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acetone | < 100 | 100 | |
| Acrolein | < 1 | 1 | |
| Acrylonitrile | < 0.45 | 1 | 1 |
| Benzene | **198** | 5 | |
| Bromobenzene | < 5 | 5 | |
| Bromochloromethane | < 5 | 5 | |
| Bromodichloromethane | < 5 | 5 | |
| Bromoform | < 5 | 5 | |
| Bromomethane | < 5 | 5 | |
| n-Butanol | < 50 | 50 | |
| 2-Butanone (MEK) | < 10 | 10 | |
| n-Butylbenzene | < 5 | 5 | |
| sec-Butylbenzene | **6.73** | 5 | |
| tert-Butylbenzene | < 5 | 5 | |
| Carbon Disulfide | < 5 | 5 | |
| Carbon Tetrachloride | < 5 | 5 | |
| Chlorobenzene | < 5 | 5 | |
| Chloroethane | < 5 | 5 | |
| 2-Chloroethylvinylether | < 50 | 50 | |
| Chloroform | < 5 | 5 | |
| Chloromethane | < 5 | 5 | |
| 2-Chlorotoluene | < 5 | 5 | |
| 4-Chlorotoluene | < 5 | 5 | |
| 1,2-Dibromo-3-chloropropane | < 1 | 1 | |
| Dibromochloromethane | < 5 | 5 | |
| 1,2-Dibromoethane (EDB) | < 1 | 1 | |
| Dibromomethane | < 5 | 5 | |
| 1,2-Dichlorobenzene | < 5 | 5 | |
| 1,3-Dichlorobenzene | < 5 | 5 | |
| 1,4-Dichlorobenzene | < 5 | 5 | |
| trans-1,4-Dichloro-2-butene | < 1 | 1 | |
| Dichlorodifluoromethane | < 5 | 5 | |

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | **115** | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | **14.4** | 5 | |
| p-Isopropyltoluene | **6.67** | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | **5.96** | 5 | |
| n-Propylbenzene | **21.5** | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | **15.1** | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | **72.2** | 5 | |
| 1,3,5-Trimethylbenzene | **19.4** | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | **139** | 5 | |
| Xylene, 0rtho | **50.2** | 5 | |
| Xylene (Total) | **189** | 10 | |
| Dibromofluoromethane (surrogate) | 120% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 101% | | |
| Toluene-d8 (surrogate) | 107% | | |
| 4-bromofluorobenzene (surrogate) | 104% | | |
| Analysis Date/Time: | 08-03-16/20:14 | | |
| Analyst Initials | tjg | | |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8270SIM
**Prep Method:** EPA 3511
**Analytical Batch:** 080416PW

**Client Sample ID:** MW-20
**Envision Sample Number:** 16-15334
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 15:30
**Sample Received Date/Time:** 7/29/16 13:27

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.029 | 0.029 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | **24.4** | 20.0 | 3 |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 1-methylnaphthalene | **196** | 20.0 | 3 |
| 2-methylnaphthalene | **311** | 100 | 5 |
| Naphthalene | **115** | 20.0 | 3 |
| Phenanthrene | **32.0** | 20.0 | 3 |
| Pyrene | **5.43** | 1.0 | |

| | |
|---|---|
| Nitrobenzene-d5 (surrogate) | 57% |
| 2-Fluorobiphenyl (surrogate) | 69% |
| p-Terphenyl-d14 (surrogate) | 80% |
| Analysis Date/Time: | 8-4-16/01:05 |
| Analyst Initials | ajg |
| Date Extracted | 8/3/2016 |
| Initial Sample Volume | 40 mL |
| Final Volume | 2.0 mL |

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Analytical Report

**Client Name:** SES

**Project ID:** 2009-145 PARRISH LEASING

**Client Project Manager:** ROSE GABET

**ENVision Project Number:** 2016-2160

**Analytical Method:** EPA 8260
**Prep Method:** EPA 5030B
**Analytical Batch:** 080316VW

**Client Sample ID:** TRIP BLANK
**Envision Sample Number:** 16-15335
**Sample Matrix:** water

**Sample Collection Date/Time:** 7/26/16 9:42
**Sample Received Date/Time:** 7/29/16 13:27

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

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Analytical Report

***8260 continued…***

| Compounds | Sample Results (ug/L) | Reporting Limit (ug/L) | Flags |
|---|---|---|---|
| 1,1-Dichloroethane | < 5 | 5 | |
| 1,2-Dichloroethane | < 5 | 5 | |
| 1,1-Dichloroethene | < 5 | 5 | |
| cis-1,2-Dichloroethene | < 5 | 5 | |
| trans-1,2-Dichloroethene | < 5 | 5 | |
| 1,2-Dichloropropane | < 5 | 5 | |
| 1,3-Dichloropropane | < 5 | 5 | |
| 2,2-Dichloropropane | < 5 | 5 | |
| 1,1-Dichloropropene | < 5 | 5 | |
| 1,3-Dichloropropene | < 4.1 | 4.1 | |
| Ethylbenzene | < 5 | 5 | |
| Ethyl methacrylate | < 100 | 100 | |
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| n-Hexane | < 10 | 10 | |
| 2-Hexanone | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | N |
| 2-Methylnaphthalene | < 5 | 5 | N |
| Naphthalene | < 1.4 | 1.4 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (Total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 115% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 102% | | |
| Toluene-d8 (surrogate) | 98% | | |
| 4-bromofluorobenzene (surrogate) | 96% | | |
| Analysis Date/Time: | 08-04-16/04:16 | | |
| Analyst Initials | tjg | | |

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# EPA 8260 Quality Control Data

**ENVision Batch Number:** 080216VW

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

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***8260 QC Continued…***

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| 2-Hexanone | < 10 | 10 | |
| n-Hexane | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1.4 | 1.4 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 117% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 114% | | |
| Toluene-d8 (surrogate) | 100% | | |
| 4-bromofluorobenzene (surrogate) | 97% | | |
| Analysis Date/Time: | 08-02-16/16:36 | | |
| Analyst Initials | tjg | | |

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***8260 QC Continued…***

| LCS/LCSD | LCS Results (ug/L) | LCS/LCSD Conc. (ug/L) | LCSD Result (ug/L) | LCS Rec. | LCSD Rec. | % D | Flag |
|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 57.2 | 50 | 53.0 | 114% | 106% | 7.6 | |
| 1,1-Dichloroethene | 51.7 | 50 | 52.7 | 103% | 105% | 1.9 | |
| trans-1,2-Dichloroethene | 48.0 | 50 | 50.7 | 96% | 101% | 5.4 | |
| Methyl-tert-butyl-ether | 48.7 | 50 | 50.7 | 97% | 101% | 4.1 | |
| 1,1-Dichloroethane | 50.5 | 50 | 52.2 | 101% | 104% | 3.3 | |
| cis-1,2-Dichloroethene | 51.9 | 50 | 54.3 | 104% | 109% | 4.5 | |
| Chloroform | 48.3 | 50 | 50.6 | 97% | 101% | 4.6 | |
| 1,1,1-Trichloroethane | 48.9 | 50 | 50.4 | 98% | 101% | 3.0 | |
| Benzene | 51.5 | 50 | 54.3 | 103% | 109% | 5.3 | |
| Trichloroethene | 52.1 | 50 | 53.0 | 104% | 106% | 1.7 | |
| Toluene | 49.8 | 50 | 52.9 | 100% | 106% | 6.1 | |
| 1,1,1,2-Tetracholorethane | 47.5 | 50 | 49.2 | 95% | 98% | 3.6 | |
| Chlorobenzene | 48.9 | 50 | 50.2 | 98% | 100% | 2.4 | |
| Ethylbenzene | 48.7 | 50 | 50.7 | 97% | 101% | 4.1 | |
| o-Xylene | 51.2 | 50 | 52.2 | 102% | 104% | 2.0 | |
| n-Propylbenzene | 50.5 | 50 | 50.7 | 101% | 101% | 0.5 | |
| Dibromofluoromethane (surrogate) | 93% | | 95% | | | | |
| 1,2-Dichloroethane-d4 (surrogate) | 97% | | 95% | | | | |
| Toluene-d8 (surrogate) | 98% | | 100% | | | | |
| 4-bromofluorobenzene (surrogate) | 106% | | 104% | | | | |
| Analysis Date/Time: | 08-02-16/15:36 | | 08-02-16/15:56 | | | | |
| Analyst Initials | tjg | | tjg | | | | |

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# EPA 8260 Quality Control Data

**ENVision Batch Number:** 080316VW

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

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***8260 QC Continued…***

| Method Blank (MB): | MB Results (ug/L) | Rep Lim (ug/L) | Flag |
|---|---|---|---|
| Hexachloro-1,3-butadiene | < 2.6 | 2.6 | |
| 2-Hexanone | < 10 | 10 | |
| n-Hexane | < 10 | 10 | |
| Iodomethane | < 10 | 10 | |
| Isopropylbenzene (Cumene) | < 5 | 5 | |
| p-Isopropyltoluene | < 5 | 5 | |
| Methylene chloride | < 5 | 5 | |
| 4-Methyl-2-pentanone (MIBK) | < 10 | 10 | |
| Methyl-tert-butyl-ether | < 5 | 5 | |
| 1-Methylnaphthalene | < 5 | 5 | |
| 2-Methylnaphthalene | < 5 | 5 | |
| Naphthalene | < 1.4 | 1.4 | |
| n-Propylbenzene | < 5 | 5 | |
| Styrene | < 5 | 5 | |
| 1,1,1,2-Tetrachloroethane | < 5 | 5 | |
| 1,1,2,2-Tetrachloroethane | < 0.66 | 1 | 1 |
| Tetrachloroethene | < 5 | 5 | |
| Toluene | < 5 | 5 | |
| 1,2,3-Trichlorobenzene | < 5 | 5 | |
| 1,2,4-Trichlorobenzene | < 5 | 5 | |
| 1,1,1-Trichloroethane | < 5 | 5 | |
| 1,1,2-Trichloroethane | < 5 | 5 | |
| Trichloroethene | < 5 | 5 | |
| Trichlorofluoromethane | < 5 | 5 | |
| 1,2,3-Trichloropropane | < 1 | 1 | |
| 1,2,4-Trimethylbenzene | < 5 | 5 | |
| 1,3,5-Trimethylbenzene | < 5 | 5 | |
| Vinyl acetate | < 10 | 10 | |
| Vinyl chloride | < 2 | 2 | |
| Xylene, M&P | < 5 | 5 | |
| Xylene, 0rtho | < 5 | 5 | |
| Xylene (total) | < 10 | 10 | |
| Dibromofluoromethane (surrogate) | 113% | | |
| 1,2-Dichloroethane-d4 (surrogate) | 104% | | |
| Toluene-d8 (surrogate) | 101% | | |
| 4-bromofluorobenzene (surrogate) | 90% | | |
| Analysis Date/Time: | 08-03-16/17:39 | | |
| Analyst Initials | tjg | | |

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***8260 QC Continued…***

| LCS/LCSD | LCS Results (ug/L) | LCS/LCSD Conc. (ug/L) | LCSD Result (ug/L) | LCS Rec. | LCSD Rec. | % D | Flag |
|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 49.3 | 50 | 51.0 | 99% | 102% | 3.3 | |
| 1,1-Dichloroethene | 49.6 | 50 | 49.1 | 99% | 98% | 1.0 | |
| trans-1,2-Dichloroethene | 49.8 | 50 | 48.6 | 100% | 97% | 2.4 | |
| Methyl-tert-butyl-ether | 48.9 | 50 | 48.9 | 98% | 98% | 0.1 | |
| 1,1-Dichloroethane | 46.1 | 50 | 46.6 | 92% | 93% | 1.1 | |
| cis-1,2-Dichloroethene | 47.1 | 50 | 48.3 | 94% | 97% | 2.6 | |
| Chloroform | 45.9 | 50 | 46.3 | 92% | 93% | 0.8 | |
| 1,1,1-Trichloroethane | 44.8 | 50 | 45.3 | 90% | 91% | 1.1 | |
| Benzene | 49.3 | 50 | 50.7 | 99% | 101% | 2.9 | |
| Trichloroethene | 48.5 | 50 | 48.5 | 97% | 97% | 0.1 | |
| Toluene | 47.6 | 50 | 47.9 | 95% | 96% | 0.6 | |
| 1,1,1,2-Tetracholorethane | 49.2 | 50 | 47.6 | 98% | 95% | 3.4 | |
| Chlorobenzene | 49.0 | 50 | 48.3 | 98% | 97% | 1.4 | |
| Ethylbenzene | 46.7 | 50 | 45.6 | 93% | 91% | 2.2 | |
| o-Xylene | 47.2 | 50 | 47.4 | 94% | 95% | 0.4 | |
| n-Propylbenzene | 44.5 | 50 | 43.7 | 89% | 87% | 1.8 | |
| Dibromofluoromethane (surrogate) | 98% | | 93% | | | | |
| 1,2-Dichloroethane-d4 (surrogate) | 99% | | 86% | | | | |
| Toluene-d8 (surrogate) | 97% | | 97% | | | | |
| 4-bromofluorobenzene (surrogate) | 95% | | 89% | | | | |
| Analysis Date/Time: | 08-03-16/16:39 | | 08-03-16/16:59 | | | | |
| Analyst Initials | tjg | | tjg | | | | |

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# EPA 8270SIM Quality Control Data

**ENVision Batch Number:** 080616PW1

| Method Blank (MB): | Method Blank Result (ug/L) | Reporting Limit (ug/L) | Flag |
|---|---|---|---|
| Acenaphthene | < 1.0 | 1.0 | |
| Acenaphthylene | < 1.0 | 1.0 | |
| Anthracene | < 0.10 | 0.10 | |
| Benzo(a)anthracene | < 0.10 | 0.10 | |
| Benzo(a)pyrene | < 0.10 | 0.10 | |
| Benzo(b)fluoranthene | < 0.10 | 0.10 | |
| Benzo(g,h,i)perylene | < 0.10 | 0.10 | |
| Benzo(k)fluoranthene | < 0.10 | 0.10 | |
| Chrysene | < 0.10 | 0.10 | |
| Dibenzo(a,h)anthracene | < 0.10 | 0.10 | |
| Fluoranthene | < 1.0 | 1.0 | |
| Fluorene | < 1.0 | 1.0 | |
| Indeno(1,2,3-cd)pyrene | < 0.022 | 0.022 | |
| 2-methylnaphthalene | < 1.0 | 1.0 | |
| Naphthalene | < 1.0 | 1.0 | |
| Phenanthrene | < 1.0 | 1.0 | |
| Pyrene | < 1.0 | 1.0 | |
| Nitrobenzene-d14 (surrogate) | 65% | | |
| 2-Fluorobiphenyl (surrogate) | 67% | | |
| p-Terphenyl-d14 (surrogate) | 62% | | |
| Analysis Date/Time: | 8-3-16/18:22 | | |
| Analyst Initials | ajg | | |
| Date Extracted | 8/3/2016 | | |
| Initial Sample Volume | 40 mL | | |
| Final Volume | 2.0 mL | | |

**ENVision Laboratories, Inc.**
1439 Sadlier Circle West Drive
Indianapolis, IN 46239
Tel: 317.351.8632
Fax: 317.351.8639
www.envisionlaboratories.com

| LCS | LCS Results (ug/L) | LCS Conc. (ug/L) | LCS Recovery | Flag |
|---|---|---|---|---|
| Acenaphthene | 1.41 | 2.0 | 71% | |
| Acenaphthylene | 1.33 | 2.0 | 67% | |
| Anthracene | 1.24 | 2.0 | 62% | |
| Benzo(a)anthracene | 1.01 | 2.0 | 51% | |
| Benzo(a)pyrene | 1.43 | 2.0 | 72% | |
| Benzo(b)fluoranthene | 1.56 | 2.0 | 78% | |
| Benzo(g,h,i)perylene | 1.25 | 2.0 | 63% | |
| Benzo(k)fluoranthene | 1.63 | 2.0 | 82% | |
| Chrysene | 1.33 | 2.0 | 67% | |
| Dibenzo(a,h)anthracene | 1.04 | 2.0 | 52% | |
| Fluoranthene | 1.19 | 2.0 | 60% | |
| Fluorene | 1.07 | 2.0 | 54% | |
| Indeno(1,2,3-cd)pyrene | 1.10 | 2.0 | 55% | |
| 2-methylnaphthalene | 1.37 | 2.0 | 69% | |
| Naphthalene | 1.47 | 2.0 | 74% | |
| Phenanthrene | 1.31 | 2.0 | 66% | |
| Pyrene | 1.29 | 2.0 | 65% | |
| Nitrobenzene-d14(surrogate) | 67% | | | |
| 2-Fluorobiphenyl (surrogate) | 76% | | | |
| p-Terphenyl-d14 (surrogate) | 94% | | | |
| Analysis Date/Time: | 8-3-16/18:47 | | | |
| Analyst Initials: | ajg | | | |
| Date Extracted: | 8/3/2016 | | | |
| Initial Sample Volume: | 40 mL | | | |
| Final Volume: | 2.0 mL | | | |

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| Flag Number | Comments |
|---|---|
| N | Analyte is not included in our NELAC accreditation. |
| 1 | Reported value is below the reporting limit but above the MDL. |
| 2 | Reported value is from a 10x diltuion. CJA 8-8-16 |
| 3 | Reported value is from a 20x dilution. AJG 8-8-16 |
| 4 | Reported value is from a 50x dilution. AJG 8-8-16 |
| 5 | Reported value is from a 100x dilution. AJG 8-8-16 |
| 6 | Reported value is estimated due to linear range exceedence. AJG 8-8-16 |

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# CHAIN OF CUSTODY RECORD

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

| | |
|---|---|
| Client: SES | Invoice Address: same |
| Report Address: 3807 Dr. Transportation Fort Wayne, IN 46816 | Project Name: 2009-145 Parrish Leasing |
| Report To: Rose \| Lauren | Lab Contact: Cheryl Quin |
| Phone: 260-497-7645 | Sampled by: LM |
| Fax: 260-497-7646 | P.O. Number: 781445 |
| Desired TAT: (Please Circle One) 1-2 days 3-6 days Std (7 bus. days) | QA/QC Required: (circle if applicable) Level III Level IV |

**REQUESTED PARAMETERS**

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

*Please indicate number of containers per preservative below*

| Sample ID | Coll. Date | Coll. Time | Comp (C) Grab (G) | Matrix | VOCs | PAHs | | | | | | HCl | $HNO_3$ | $H_2SO_4$ | NaOH | Other | None | ENVision Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 7/~~29~~ 26/16 LM | 12:02 | G | $H_2O$ | X | X | | | | | | 2 | | | | | 3 | 16-15321 |
| MW-2 | \| | 14:50 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15322 |
| MW-3R | \| | 14:31 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15323 |
| MW-4 | \| | 13:00 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15324 |
| MW-5 | 7/~~28~~ 27/16 LM | 10:42 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15325 |
| MW-6 | 7/~~26~~ 26/16 LM | 13:12 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15326 |
| MW-7R | \| | 12:33 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15327 |
| MW-8R | \| | 12:40 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15328 |
| MW-10 | \| | 14:16 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15329 |
| MW-11 | \| | 15:10 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15330 |
| MW-12 | 7/~~28~~ 27/16 LM | 10:15 | \| | \| | X | X | | | | | | 2 | | | | | 3 | 16-15331 |

Comments:

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Lauren Muy | 7/29/16 | 7/29/16 | Blaine Crosier | 7/29/16 | 13:27 |
| | | | | | |

ENVision Proj#: 2014-2160 Page 2 of 2

# CHAIN OF CUSTODY RECORD

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

| | |
|---|---|
| Client: SES | Invoice Address: same |
| Report Address: 3907 Transportation Dr. Fort Wayne, IN 46818 | Project Name: 2009-145 Parish Leasing |
| Report To: Rose / Lauren | Lab Contact: Cheryl Crum |
| Phone: 260-497-7645 | Sampled by: LM |
| Fax: 260-497-7646 | P.O. Number: 701445 |
| Desired TAT: (Please Circle One) 1-2 days 3-6 days Std (7 bus. days) | QA/QC Required: (circle if applicable) Level III Level IV |

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

**REQUESTED PARAMETERS**

*Please indicate number of containers per preservative below*

| Sample ID | Coll. Date | Coll. Time | Comp (C) Grab (G) | Matrix | VOCs | PAHs | | | | | | HCl | $HNO_3$ | $H_2SO_4$ | NaOH | Other | None | ENVision Sample ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-14 | 7/29/16 LM | 13:25 | G | $H_2O$ | X | X | | | | | | 2 | | | | | 3 | 16-15332 |
| MW-15 | | 11:42 | | | X | X | | | | | | 2 | | | | | 3 | 16-15333 |
| MW-20 | | 15:30 | | | X | X | | | | | | 2 | | | | | 3 | 16-15334 |
| Trip Blank | | 9:42 | | | X | | | | | | | 2 | | | | | | 16-15335 |

Comments:

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Lauren May | 7/29/16 | 13:27 | Blaine Leader | 7/29/16 | 13:27 |
| | | | | | |