

JANUARY 21, 2022

SITE INVESTIGATION REPORT

US OIL MILWAUKEE SOUTH TERMINAL
9135 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

BRRTS No. 03-41-558241

ENDPOINT PROJECT No. 014-002-023

PREPARED FOR:

US VENTURE
425 BETTER WAY
APPLETON, WISCONSIN

PREPARED BY:

Endpoint Solutions

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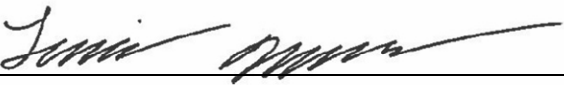
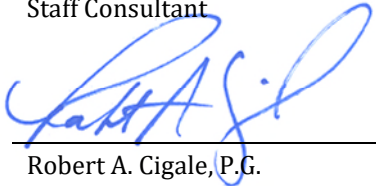
Prepared By:	 _____ Travis J. Manser Staff Consultant	<u>January 21, 2022</u> Date
Reviewed By:	 _____ Robert A. Cigale, P.G. Principal Geologist	<u>January 21, 2022</u> Date

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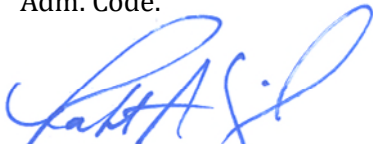
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CERTIFICATION

HYDROGEOLOGIST

I, Robert A. Cigale, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



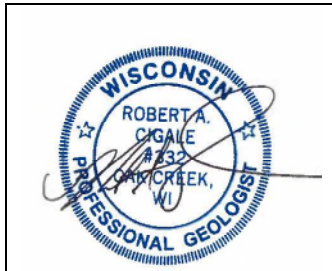
Robert A. Cigale, Principal

PG-332

P.G. number

January 21, 2022

Date



1.0 GENERAL INFORMATION

The purpose of this document is to report the results of the Site Investigation (SI) activities performed at the US Oil Milwaukee South Terminal property located at 9135 North 107th Street, in the City of Milwaukee, Milwaukee County, Wisconsin (the “Site” or “subject property”) to progress the Site towards regulatory closure. The location of the Site is depicted on **Figure B.1.b.1 – Site Overview**. The bounds of the subject property and area of investigation are depicted on **Figure B.1.b.2 – Site Layout** and **Figure B.1.b.3 – Detailed Site Map**.

1.1 SITE INFORMATION

1.1.1 SITE NAME AND ADDRESS

US Oil Milwaukee South Terminal
9135 North 107th Street
Milwaukee, Wisconsin

1.1.2 LOCATIONAL INFORMATION

The US Oil Milwaukee South Terminal is located at 9135 North 107th Street, in the City of Milwaukee, Milwaukee County, Wisconsin. The Site occupies a portion of the northeast quarter (NE ¼) of the southeast quarter (SE ¼) of Section 6, Township 8 North, Range 21 East. The Site is situated on the west side of 107th Street and north of an unnamed service road jointly owned by Copart, Buckeye and U.S. Oil/U.S. Venture at 1115 West County Line Road, followed by Buckeye Bulk Storage Terminal at 9101 North 107th Street.

1.2 CONTACT INFORMATION

1.2.1 SITE OWNER / RESPONSIBLE PARTY

Mr. Don Johnston
U.S. Venture, Inc.
425 Better Way
Appleton, WI 54915
Phone: 920-735-8228
Email: DJohnston@usventure.com

1.2.2 ENVIRONMENTAL CONSULTANT

Endpoint Solutions Corp.
6871 South Lovers Lane
Franklin, WI 53132
Contact: Mr. Travis Manser
Phone: 414-858-2265
Email: travis@endpointcorporation.com

1.3 SITE TOPOGRAPHY AND HYDROLOGY

Based on a review of the USGS Milwaukee County Wisconsin Quadrangle Topographic Map, the subject property is situated approximately 730-feet above mean sea level. The nearest surface water body is the Little Menomonee River located approximately 1,680-feet to the east of the subject property. The topography of the subject property slopes gently to the east towards the Little Menomonee River. Based upon topographic map interpretation, groundwater flow in the deep aquifer is assumed to be to the east. Based on depth to groundwater measurements, the groundwater flow in the shallow aquifer has been determined to be towards the east with slight seasonal variations to the northeast.

2.0 BACKGROUND

2.1 SITE HISTORY AND PHYSICAL DESCRIPTION

The subject property consists of a single parcel (Tax Key 0029996210) totaling approximately 23-acres. Based on a review of historic aerial photographs, the Site was historically developed as cultivated fields as early as 1938. In 1963, the Site appears to be utilized as a bulk petroleum facility, consistent with the present-day use of the subject property. Currently, bulk petroleum product is stored in six (6) field-erected aboveground storage tanks (ASTs) with capacities ranging between 509,000-gallons and 3,412,300-gallons and a number of shop-built ASTs with capacities ranging between 18,500-gallons and 30,000-gallons. Surface cover in the area of the contamination consists of a combination of asphalt and concrete pavements and grassy areas. The areas of surfacing are depicted on **Figure B.1.b.1 – Detailed Site Map**.

2.2 PREVIOUSLY REPORTED DISCHARGES ON THE SUBJECT PROPERTY

The following discharges in addition to the LUST case discussed herein, have been identified on the subject property:

- 02-41-000701 Granville Terminal – US Oil Co (Closed ERP Case)
- 02-41-553362 US Oil Milwaukee South Terminal (Closed ERP Case)
- 04-41-190483 9135 North 107th Street (Closed Spill Case)
- 04-41-224574 (Closed Spill Case)
- 04-41-038612 9135 North 107th Street (Closed Spill)
- 04-41-044956 9135 North 107th Street (Closed Spill)

The locations of the two (2) closed ERP cases and open LUST case on the subject property are depicted on the attached **Figure B.1.c – RR Sites Map**.

2.3 DISCHARGES ON ADJOINING SITES

The following discharges have been identified on properties immediately adjoining the subject property:

- 02-41-000699 Granville Term Marathon Petroleum (Closed ERP – 0.16-miles east-northeast)
- 03-41-001407 Marathon Oil Co #2 (Closed LUST – 0.15-miles east)
- 03-41-001051 Marathon Bulk Storage (Closed LUST – 0.15-miles east)
- 02-41-000702 Granville Term-Amoco Oil (Closed ERP – 0.12-miles southeast)

- 03-41-003978 Mobil Oil (Closed LUST – 0.06-miles southeast)
- 03-41-001857 E&L Transport (Closed LUST – 0.08-miles southeast)

2.4 INVESTIGATIONS AND EVALUATION TIMELINE

2.4.1 INITIAL RELEASE – JUNE 2011

In 2011, Endpoint was retained by US Venture to perform investigation activities at the subject property in response to a suspected gasoline leak from a ten-inch (10”) underground pipe. Immediately after the leak was identified, the pipe was isolated by installing a flange blank. During excavation activities to expose the area of the leak, a cracked one-inch (1”) stubbed pipe was discovered that was connected to the underground 10” pipe. The 1” pipe was removed and the resulting opening into the 10” pipe was plugged. Following the repair, the 10” pipe was proven leak-free via a tightness test. Endpoint collected excavation sidewall and bottom samples from the aforementioned excavation, along with a soil sample from the excavation spoils. The release was reported to the Wisconsin Department of Natural Resources (WDNR) by US Venture on August 1, 2011.

2.4.2 SOIL AND GROUNDWATER INVESTIGATION – DECEMBER 2011

In December 2011, Endpoint performed subsurface investigation activities in an attempt to delineate the extent of contamination related to the June 2011 release. The Site investigation activities included the advancement of five (5) soil borings (B-1 through B-5) to a termination depth of approximately 15-feet bgs. One (1) soil sample from each soil boring was collected and submitted for laboratory analysis of volatile organic compounds (VOCs), gasoline range organics (GRO), diesel range organics (DRO) and polycyclic aromatic hydrocarbons (PAHs). Following the advancement of the soil borings, three (3) of the borings were overdrilled with hollow-stem augers and converted to permanent Wisconsin Administrative Code (WAC) Chapter NR 141 compliant groundwater monitoring wells. Specifically, soil boring B-1 was converted to MW-100, B-3 was converted to MW-101 and B-5 was converted to MW-102. Based on the results from these investigation activities, Endpoint recommended three (3) additional groundwater monitoring wells be installed down-gradient of the source area to further evaluate the extent of impacts.

2.4.3 ADDITIONAL SITE INVESTIGATION ACTIVITIES 2013 – 2015

In March 2013, Endpoint advanced three (3) additional direct-push soil borings (B-103 through B-105) to a termination depth of approximately 15-feet bgs. One (1) soil sample from each soil boring was collected and submitted for laboratory analysis of VOCs, GRO, DRO and PAHs. Following the advancement of each of soil boring, the borings were overdrilled with hollow-stem augers and converted to permanent WAC Chapter NR 141 compliant groundwater monitoring wells. Specifically, B-103 was converted to MW-103, B-104 was converted to MW-104 and B-5 was converted to MW-105. Based on the results from the soil and groundwater sampling completed in March 2013, it was evident that additional delineation to the north and south of the previously identified impacts would be required. Subsequently, Endpoint recommended one (1) monitoring

well be installed to the south and one (1) monitoring well be installed to the north of the source area. Additionally, it was recommended that additional assessment be performed to the southwest of the manifold area to determine if an off-site source was contributing to the contaminant plume on the Site.

In November 2014, Endpoint oversaw the advancement of four (4) additional direct-push soil borings (B-6 through B-9) to a maximum termination depth of approximately 15-feet bgs. Two (2) soil samples from each soil boring were collected and submitted for laboratory analysis of VOCs, DRO and GRO. Following the advancement of each of the soil borings, each boring was overdrilled with hollow-stem augers and converted to permanent WAC Chapter NR 141 compliant groundwater monitoring wells. Soil boring B-106 was converted to MW-106, B-107 was converted to MW-107, B-108 was converted to MW-108 and B-109 was converted to MW-109. The soil borings/monitoring wells were advanced to the north (B-109/MW-109), south (B-106/MW-106 & B-107/MW-107) and southwest (B-108/MW-108) of the source area.

2.4.4 GROUNDWATER MONITORING 2016-2020

Since 2016, quarterly groundwater sampling has been completed on the subject property from the 12 permanent monitoring wells, including MW-100, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106, MW-107, MW-108, MW-109, EP-02 and EP-05. Additionally, depth to groundwater measurements are collected from four (4) additional monitoring wells (EP-01, EP-03, EP-04 and EP-07) on a quarterly basis. Monitoring wells EP-01 through EP-7 were installed as part of a separate release, located down-gradient of the manifold release area, and received regulatory closure under the ERP case #02-41-553362.

The locations of the soil borings and groundwater monitoring wells are depicted on **Figure B.1.b.3 – Detailed Site Map**.

3.0 INVESTIGATIVE METHODS

3.1 SOIL SAMPLING

Due to the presence numerous subsurface product lines between the ASTs, the piping manifold and the truck loading rack, Site personnel arranged for hydro-excavation at each of the soil boring locations to depths of approximately five (5) to eight (8)-feet bgs, depending on the estimated maximum depth of product piping. Soil borings were advanced using direct-push technology through the aforementioned surface hydro-excavation. Soil samples were retrieved continuously from the base of the hydro-excavation to the termination depth of the soil boring. The soil profile was described in the field by an experienced environmental professional based on color, texture, moisture content and obvious indications of contamination, such as staining or odors. Due to the shallowness of groundwater, soil samples submitted for laboratory analysis were typically chosen from the saturated portion of the soil profile. Soil samples submitted for analysis were preserved in the field as required and transported on ice under chain-of-custody to Synergy Environmental Laboratory (Synergy) in Appleton, Wisconsin for analysis.

3.2 MONITORING WELL INSTALLATION

As the soil borings were advanced using direct-push technology, the monitoring well locations were over-drilled with hollow-stem augers. WAC Chapter NR 141 compliant two-inch (2") diameter monitoring wells were installed. In general, the monitoring wells were installed with a ten-foot (10') section of No. 010 factory cut slotted screen and completed with steel stick-up protector pipes. The elevations of the top of casings of the installed monitoring wells were surveyed relative to the North American vertical datum of 1988 (NAVD88) to aid in establishing groundwater flow direction.

3.3 GROUNDWATER MONITORING PROCEDURES

Prior to groundwater sampling, depth to water measurements are collected from the Site monitoring wells and recorded. Each of the wells are observed for the presence of free product, and if present, the product thickness measurements are recorded. Based on the depth to water measurements in the field, the volume of groundwater in each of the well casings is field calculated and the required volumes of water are purged from the wells prior to sample collection. Groundwater collected during individual well purging is placed into five (5)-gallon buckets for disposal at the Site load rack, where the water is filtered by an oil-water separator. Following individual well purging, each well is sampled and groundwater is placed into sample glassware supplied by Synergy of Appleton, Wisconsin. During the sampling events between September 2009 and April 2013, groundwater was analyzed for gasoline range organics (GRO), petroleum volatile organic compounds (PVOCs) and naphthalene. For the sampling events after July 2013, GRO has been omitted from the analytical list, as GRO does not have an established Wisconsin Administrative Code (WAC) groundwater quality standard.

The groundwater sampling program currently consists of the quarterly sampling of 12 permanent monitoring wells identified as MW-101, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106,

MW-107, MW-108, MW-109, EP-02 and EP-05. Additionally, depth to groundwater measurements are collected from four (4) monitoring wells associated with the closed LUST case (BRRTS #: 02-41-553362) (EP-01, EP-03, EP-04 and EP-07) on a quarterly basis. The locations of the monitoring wells are depicted on the attached **Figure B.3.d – Monitoring Wells**.

4.0 SITE INVESTIGATION RESULTS

4.1.1 GEOLOGICAL PROFILE

Based on data obtained from the subsurface investigation activities performed on the Site, soils at the Site consist primarily of tan to brown, plastic silty clay with trace fine sand. Based on available information, a distinct color change from dark brown to gray occurs from approximately 13 to 14-feet below ground surface (bgs). Bedrock was not encountered during any of the assessment activities completed on the subject property, which included soil borings to a maximum termination depth of approximately 15-feet bgs. According to the USGS, bedrock beneath the Site consists of Paleozoic Silurian dolomite and is present at approximately 100-feet bgs. For reference, geologic cross-sections depicting the geologic profile at the subject property are provided on the attached **Figure B.3.a.1** and **B.3.a.2**.

4.1.2 HYDROGEOLOGY

Shallow groundwater elevations at the Site range between approximately one and one-half (1.5)-feet bgs to approximately six (6)-feet bgs. The shallowest depth to groundwater at the Site was encountered at MW-102, while the deepest depth to groundwater was at EP-04 in September 2020. Groundwater measurements completed over time indicate an easterly flow direction with slight seasonal variations to the northeast. Additionally, each of the wells are observed for the presence of free product, and if present, the product thickness measurements are recorded. To date, no measurable free-phase petroleum product has been observed in any of the monitoring wells. For reference, depth to water and groundwater elevations are summarized on **Table A.6 – Water Elevations** and depicted on **Figure B.3.c – Groundwater Flow Direction – September 2020**.

4.1.3 SOIL RESULTS

VOCs

A total of 16 soil samples were submitted for laboratory analysis from across the Site for diesel range organics (DRO), gasoline range organics (GRO) and volatile organic compounds (VOCs) during all phases of investigative activities. Six (6) of these samples did not contain any VOC constituents above published residual contaminant levels (RCLs). Each of the remaining ten (10) samples contained at least one (1) VOC constituent which exceeded a published RCL, as follows:

- **MW-100 / B-1:** Numerous VOC constituents were detected in the soil sample collected from the eight (8) to ten (10)-foot bgs interval. Benzene, ethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and m&p-xylene were detected at concentrations above their soil-to-groundwater pathway RCLs. All other detected VOC constituents were present at concentrations below all of their applicable RCLs.
- **B-2:** Numerous VOC constituents were detected in the soil sample collected from the nine (9) to 11-foot bgs interval. Benzene was detected at a concentration above its respective non-industrial direct contact RCL, while the concentrations of ethylbenzene, naphthalene,

1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and m&p-xylene were detected at concentrations above their soil-to-groundwater pathway RCLs. All other detected VOC constituents were present at concentrations below their applicable RCLs.

- MW-101 / B-3: Numerous VOC constituents were detected in the soil sample collected from the nine (9) to 11-foot bgs interval. Benzene was detected at a concentration above its respective non-industrial direct contact RCL, while the concentrations of ethylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and m&p-xylene were detected at concentrations above their soil-to-groundwater pathway RCLs. All other detected VOC constituents were present at concentrations below their applicable RCLs.
- B-4: Numerous VOC constituents were detected in the soil sample collected from the nine (9) to 11-foot bgs interval. The concentrations of benzene and ethylbenzene were detected at concentrations which exceed their respective industrial direct contact RCLs. Naphthalene was detected at a concentration that exceeds its non-industrial direct contact RCL. Additionally, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene and o-xylene were detected above their soil-to-groundwater pathway RCLs.
- MW-102 / B-5: Benzene was detected at a concentration above its non-industrial direct contact RCL, while ethylbenzene, naphthalene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene and o-xylene were detected above their soil-to-groundwater pathway RCLs. All other detected VOCs were present at concentrations below their applicable RCLs.
- MW-103 / B-103: Multiple VOCs were detected in the soil sample collected from the nine (9) to ten (10)-foot bgs interval. However, only the concentration of benzene was detected at a concentration that exceeded an RCL. Specifically, benzene was detected at a concentration above its soil-to-groundwater pathway RCL.
- MW-105 / B-105: Benzene was detected at an estimated concentration above its soil-to-groundwater pathway RCL. The benzene detection was identified as an estimated concentration due to the concentration being between the limit of detection (LOD) and limit of quantification (LOQ), qualified with a "J". No other VOCs were detected in the sample collected from the ten (10) to 12-foot bgs interval.
- MW-106: Multiple VOC constituents were detected in the soil sample collected from the eight (8) to ten (10)-foot bgs interval, with only the concentration of naphthalene detected above its soil-to-groundwater pathway RCL.
- MW-107: Multiple VOC constituents were detected in the soil sample collected from the eight (8) to ten (10)-foot bgs interval, with only the concentration of benzene detected above its soil-to-groundwater pathway RCL.

Numerous VOCs were detected in the soil sample collected from the 13 to 15-foot bgs interval. Specifically, the concentrations of benzene, methyl-tert-butyl-ether (MTBE) and naphthalene were reported at concentrations above their respective soil-to-groundwater pathway RCLs. The concentrations of benzene and MTBE were reported as estimates.

Soil VOC analytical results are summarized on **Table A.2.a – Soil Analytical Results-VOCs**.

PAHs

A total of 16 soil samples were submitted for laboratory analysis from across the Site for polycyclic aromatic hydrocarbons (PAHs) during all phases of investigative activities. Of the 16 soil samples, only one (1) sample contained PAH constituents above published RCLs, as follows:

- **MW-101 / B-3:** Numerous PAH constituents were detected in the soil sample collected from the nine (9) to 11-foot bgs sample interval, with only the concentration of naphthalene detected at a concentration above its soil-to-groundwater pathway. None of the other PAH constituents were reported at concentrations above their applicable standards.

Soil PAH analytical results are summarized on **Table A.2.b – Soil Analytical Results-PAHs**. Soil laboratory analytical reports and chain-of-custody forms are included within **Appendix C**.

4.1.4 GROUNDWATER RESULTS

Groundwater samples have been collected and analyzed for PVOCs + N since December 2011. Eight (8) consecutive quarterly sampling events were performed between December 2018 and September 2020, with the results then compared to preventive action limits (PALs) and enforcement standards (ESs) listed in Wisconsin Administrative Code (WAC) Chapter NR 140. A summary of the results based on the eight (8) most recent sampling events are as follows:

- Samples collected from five (5) of the 12 monitoring wells (EP-05, MW-104, MW-106, MW-108 and MW-109) did not contain any detectable concentrations of PVOc + N constituents above standard method detection limits during the last eight (8) consecutive monitoring events. These wells are located outside of the extent of contamination to the north and south. The easterly extent of contamination extends into the area associated with the previously closed ERP case (BRRTS #: 02-41-553362), while the westerly extent of contamination extends into the lined containment berm and the area associated with the previously closed ERP case (BRRTS #: 02-41-000701).
- The remaining seven (7) monitoring wells contained elevated concentrations of various petroleum constituents, with at least one (1) constituent detected at concentrations which exceed PALs or ESs. Brief summaries of the individual well results are discussed below.
 - The groundwater samples collected from monitoring well EP-02 contained the highest concentrations of petroleum constituents during the reporting period, with the majority of the constituents exceeding their ESs and some of the constituents

exceeding their respective PALs. EP-02 is located in the eastern portion of the plume of contamination between the loading rack and additive slab. The WDNR Mann-Whitney U statistical contaminant trend analysis for the most recent eight (8) consecutive sampling events indicate “no trend” or “decreasing” for the contaminants detected in the groundwater samples collected from EP-02.

- The groundwater samples collected from MW-100 have consistently contained concentrations of benzene which have exceeded its ES. Additionally, concentrations of ethylbenzene and naphthalene have fluctuated seasonally with concentrations exceeding their respective PALs. The WDNR Mann-Whitney U statistical contaminant trend for the past eight (8) sampling events indicate “no trend” for benzene and ethylbenzene, which have consistently been the highest concentration contaminants detected in MW-100 over time.
- The groundwater samples collected from monitoring well MW-101 contained elevated concentrations of benzene, ethylbenzene, MTBE, naphthalene, 1,2,4-trimethylbenzene, m&p-xylene and o-xylene during the reporting period. Most recently during the September 2020 sampling event, only the concentrations of benzene and MTBE were detected above their ESs and the concentration of ethylbenzene was detected above its PAL. The WDNR Mann-Whitney U statistical contaminant analysis indicates “no trend” for benzene, ethylbenzene, MTBE, toluene, total TMB and total xylenes.
- The groundwater samples collected from monitoring well MW-102 contained concentrations of all the PVOC constituents, which were slightly less than the concentrations detected in the samples collected from EP-02. MW-102 is located in the western portion of the contaminant plume between the loading rack and AST containment. During the most recent sampling event in September 2020, all PVOC constituents were detected at concentrations in excess of their respective ESs; however, with all concentrations appearing to be relatively stable over time with some seasonal variations. The WDNR Mann-Whitney U statistical contaminant analysis indicates “no trend” for benzene, ethylbenzene, MTBE, toluene, total TMB and total xylenes.
- The groundwater samples collected from monitoring well MW-103 have consistently contained concentrations of benzene which have exceeded its ES. While the remaining PVOC + N constituents were detected during the reporting period, only the concentration of naphthalene occasionally exceeded its PAL. The WDNR Mann-Whitney U statistical contaminant trend for the past (8) sampling events indicate “no trend” for ethylbenzene and MTBE.
- The groundwater samples collected from monitoring well MW-105 have consistently contained concentrations of benzene which exceeded its ES. With the

exception of the June 2019 and March 2020 sampling events, naphthalene was not detected in any of the samples during the reporting period. During these two (2) sampling events, naphthalene was detected above its respective PAL. The WDNR Mann-Whitney U statistical contaminant analysis for the past eight (8) sampling events indicate “no trend” for benzene and naphthalene.

- The groundwater samples collected from monitoring well MW-107 have occasionally contained concentrations of benzene and MTBE above their respective PALs. During the most recent sampling event in September 2020, no petroleum constituents were detected above their PALs or ESs.

Groundwater analytical results are summarized on **Table A.1 – Groundwater Analytical Table** (12 pages). The groundwater results from the September 2020 sampling event are depicted on **Figure B.3.b**. Groundwater laboratory analytical reports and chain-of-custody forms are included within **Appendix C**. Additionally, copies of the WDNR Mann-Whitney U statistical contaminant analysis results are included within **Appendix D**.

5.0 DISCUSSION

5.1.1 DEGREE AND EXTENT OF SOIL CONTAMINATION

Overall, the highest concentrations of contaminants in soil on the Site were identified in the area immediately surrounding the source area. PVOC contaminant concentrations in saturated soil were identified above industrial direct contact, non-industrial direct contact and soil-to-groundwater pathway RCLs. The soil contamination plume extends radially from the source area across the subject property, with contaminants decreasing in concentration with increasing distance from the source area. The soil plume extends to the east of the source area beneath the load rack, to the south of the source area and to the west and northwest beneath the lined AST containment berm. Contamination to the north, east and south of the tanker loading area was historically investigated and closed under the ERP case BRRTS #: 02-41-553362. Additionally, soil contamination is inferred to extend to the west of the source area into the lined containment berm which was previously investigated and closed under the ERP case BRRTS #: 02-41-000701.

5.1.2 DEGREE AND EXTENT OF GROUNDWATER CONTAMINATION

Quarterly groundwater monitoring has been ongoing at the Site since 2011. The historical groundwater monitoring data indicates the plume of contamination is stable in size, mass and concentration. The extent of the groundwater plume on the Site consists of PVOC constituents detected at the MW-100, MW-101, MW-102, MW-103, MW-105 and EP-02. In general, the groundwater contamination plume extends radially from the source area. While PVOC contaminant concentrations at these sample locations were detected above PAL and ES regulatory standards during the most recent sampling event completed in September 2020, the concentrations have either decreased over time or appear to be relatively stable and will continue to naturally attenuate over time. Additionally, analytical results from the previous groundwater sampling events have indicated the contaminant plume extended to the south of the subject property (MW-106 and MW-107). However, the most recent sampling event in September 2020 did not indicate any contaminant concentrations above PAL or ES standards at any of the off-site monitoring locations.

It is important to note that while elevated concentrations of PVOC constituents were identified at EP-02 along the east portion of the plume over time and during the most recent sampling event in September 2020, contamination in this area and east of the load rack was previously investigated and issued regulatory closure under the ERP case BRRTS #: 02-41-553362. Additionally, groundwater contamination is inferred to extend to the west of the source area into the lined containment berm which was previously investigated and closed under the ERP case BRRTS #: 02-41-000701.

5.1.3 VAPOR MIGRATION PATHWAY

Two (2) enclosed structures are present on the subject property and include the driver building and a storage garage. Internal portions of the driver building include a restroom and miscellaneous storage areas. Based on the use and limited occupancy associated with these two (2) structures, a vapor migration pathway assessment was not completed as part of the Site investigation activities

completed on the subject property. As the Site is utilized as a bulk petroleum terminal, petroleum vapors are likely present in the ambient air at the subject property.

5.1.4 REMEDIAL OPTIONS

5.1.4.1 SOIL

It is important to note that soil impacts identified during the investigation activities were determined to be saturated samples following depth to groundwater measurements from the monitoring wells on the Site. As discussed above, due to the numerous subsurface product lines between and manifold and truck loading rack, as well as within the general vicinity of the investigation area, all soil borings were hydro-excavated to approximately five (5) to eight (8)-feet bgs to avoid damaging the subsurface conduits. Therefore, due to the presence of the subsurface product lines, source removal activities are not a feasible remedial scheme for the subject property. It is our opinion that the presence of the building structures and / or impervious surfaces, along with the continued restrictive industrial use and inclusion of the Site on the WDNR GIS registry, will prevent any direct contact with the Site soils and limit surface water infiltration that may otherwise lead to additional contaminant plume migration.

5.1.4.2 GROUNDWATER

Based on the results of the groundwater sampling completed to date, as well as evaluation from the WDNR Mann-Whitney U statistical contaminant analysis for the past eight (8) sampling events, the majority of the contaminant concentrations appear to be stable or decreasing in concentration over time. Therefore, natural attenuation is proposed to be used as the groundwater remedy with the overlying pavement and structures to further limit infiltration at the Site. Additionally, potable water at the Site and entire surrounding area is obtained from the City of Milwaukee municipal water supply system which obtains its water from Lake Michigan and ingestion of the shallow contaminated groundwater is not a complete exposure pathway. Therefore, it is our opinion that natural attenuation will continue over time, and along with the barrier system and inclusion of the Site on the WDNR GIS registry, will be protective of human health and the environment.

6.0 EMERGING CONTAMINANTS

The subject property was originally utilized as a cultivated field until the early 1960s. According to historic aerial photographs and interviews with Site representatives, the Site was developed in its current configuration in the early 1960s as a bulk petroleum facility, consistent with the present-day use of the subject property.

Using guidance provided by the Interstate Technology & Regulatory Council (ITRC) and the United States Environmental Protection Agency (USEPA), Endpoint is providing the following information to conform with the WDNR's request to evaluate for the potential for the threat of emerging contaminants at the Site. The ITRC provides the following list of industries that have utilized per- and polyfluoroalkyl substances (PFAS) since the 1950s in the production of commercial products, including:

Aviation and Aerospace	Household Products
Automotive	Medical Products
Biocides	Metal Plating
Building & Construction	Oil Production
Cable & Wiring	Mining
Cosmetics & Personal Care Products	Paper & Packaging
Electronics	PFAS Production
Energy	Photolithography
Fire Fighting	Semi-conductors
Food Processing	Textiles, Leather and Apparel

The development history of the Site consists of cultivated fields until development as the existing bulk petroleum facility in the early 1960s. As such, the Site does not have any history of manufacturing, therefore, none of the likely sources of PFAS via manufacturing have ever been present at the Site. Additionally, according to Mr. Don Johnston of U.S. Venture, Inc., no aqueous film forming foam (AFFF) products have ever been stored or utilized at the Site to extinguish fires. Therefore, no further assessment regarding emergent contaminants is recommended for the subject property.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

Based on the soil and groundwater analytical data collected to date, the horizontal extent of the contamination in the soil and groundwater appears to have been adequately delineated to the north and south of the source area. Contamination associated with the closed ERP case BRRTS #: 02-41-553362 is located immediately down-gradient of the source area to the east and as such, additional delineation of the soil and groundwater contamination to the east is not recommended. In addition, the manifold release area is bounded directly to the west by the secondary containment area for a bulk AST, which was previously investigated and closed under the ERP case BRRTS #: 02-41-000701. We do not recommend advancing any soil borings or installing monitoring wells within the containment dike in order to maintain the integrity of the containment. Based on these results, we do not recommend any additional investigation activities be completed at the Site.

7.2 RECOMMENDATIONS

We recommend a Closure Request and GIS Registry Packet be prepared and submitted to the WDNR for review. The closure request would include continuing obligations for the residual soil and groundwater contamination, including:

- Maintaining a cover, barrier or engineered cover over the contamination to limit infiltration;
- Requirements to properly manage residually contaminated soils if excavated in the future;
- Maintaining the industrial use of the subject property; and,
- Implement PAL and ES exemptions for the respective groundwater monitoring wells which exceed regulatory standards at the time of closure.

8.0 NEXT STEPS

Endpoint recommends the results of these assessment activities be submitted to the WDNR for their review and concurrence in the form of a Site Investigation Completeness request. Subsequent to receiving any comments on the need for further assessment, detailed cost options to implement any additional actions can be prepared for review and approval.

FIGURES

B.1.A – LOCATION MAP

B.1.B.1 – SITE OVERVIEW

B.1.B.2 – SITE LAYOUT

B.1.B.3 – DETAILED SITE MAP

B.1.C – RR SITES MAP

B.2.A.1 – SOIL CONTAMINATION – PVOCS

B.2.A.2 – SOIL CONTAMINATION – PAHS

B.2.B.1 – RESIDUAL SOIL CONTAMINATION – PVOCS

B.2.B.2 – RESIDUAL SOIL CONTAMINATION – PAHS

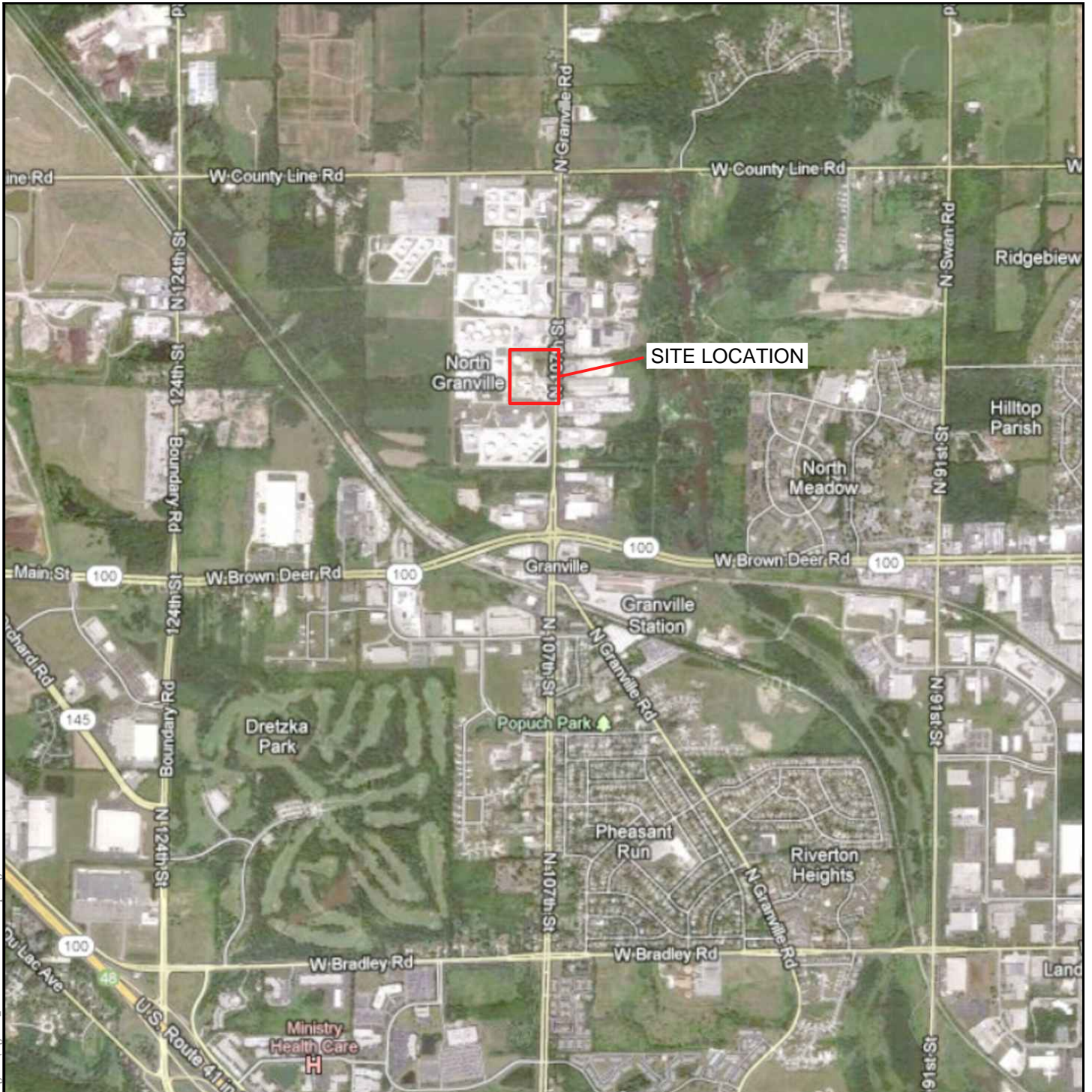
B.3.A.1 – GEOLOGIC CROSS-SECTION A-A'

B.3.A.2 – GEOLOGIC CROSS-SECTION B-B'

B.3.B – GROUNDWATER ISOCONCENTRATION

B.3.C – GROUNDWATER FLOW DIRECTION – SEPTEMBER 2020

B.3.D – MONITORING WELLS



SCALE: 1" = 2000'



NOTE: IMAGE TAKEN FROM GOOGLE EARTH

LOCATION MAP

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN

Endpoint Solutions

6871 S. Lovers Lane
 Franklin, WI 53132

Phone: (414) 427-1200

Fax: (414) 427-1259

DRAWN BY: NWD

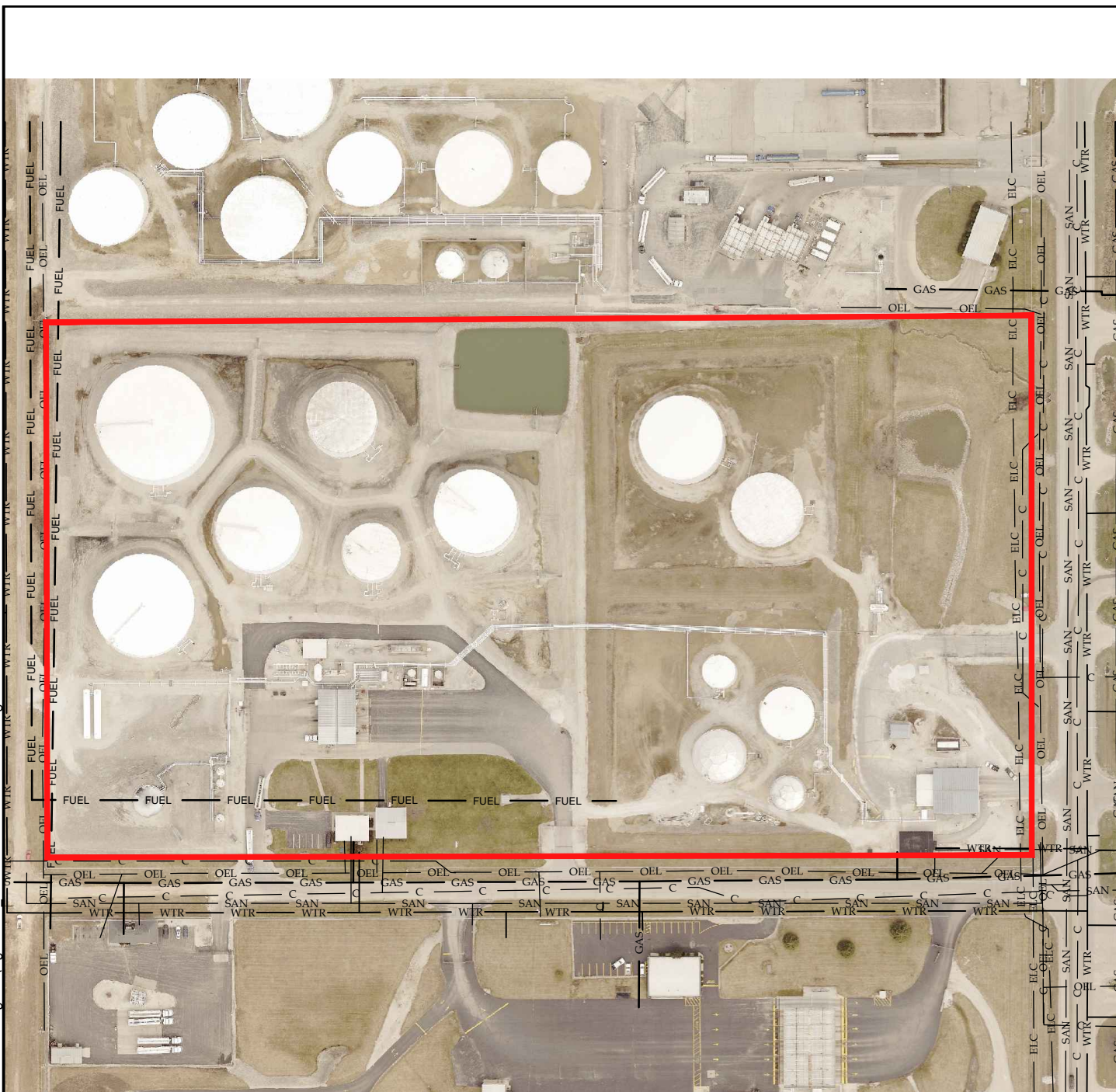
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B.1.a

REVIEWED BY: TCP

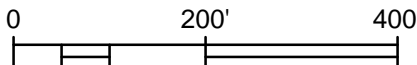
PROJECT NO: 014-002-022

P:\US Venture - 014\002 - Milwaukee South Terminal\cadd\002-022 Closure Figures\Fig B.1.b.1_014-002-022 Site Overview.dwg



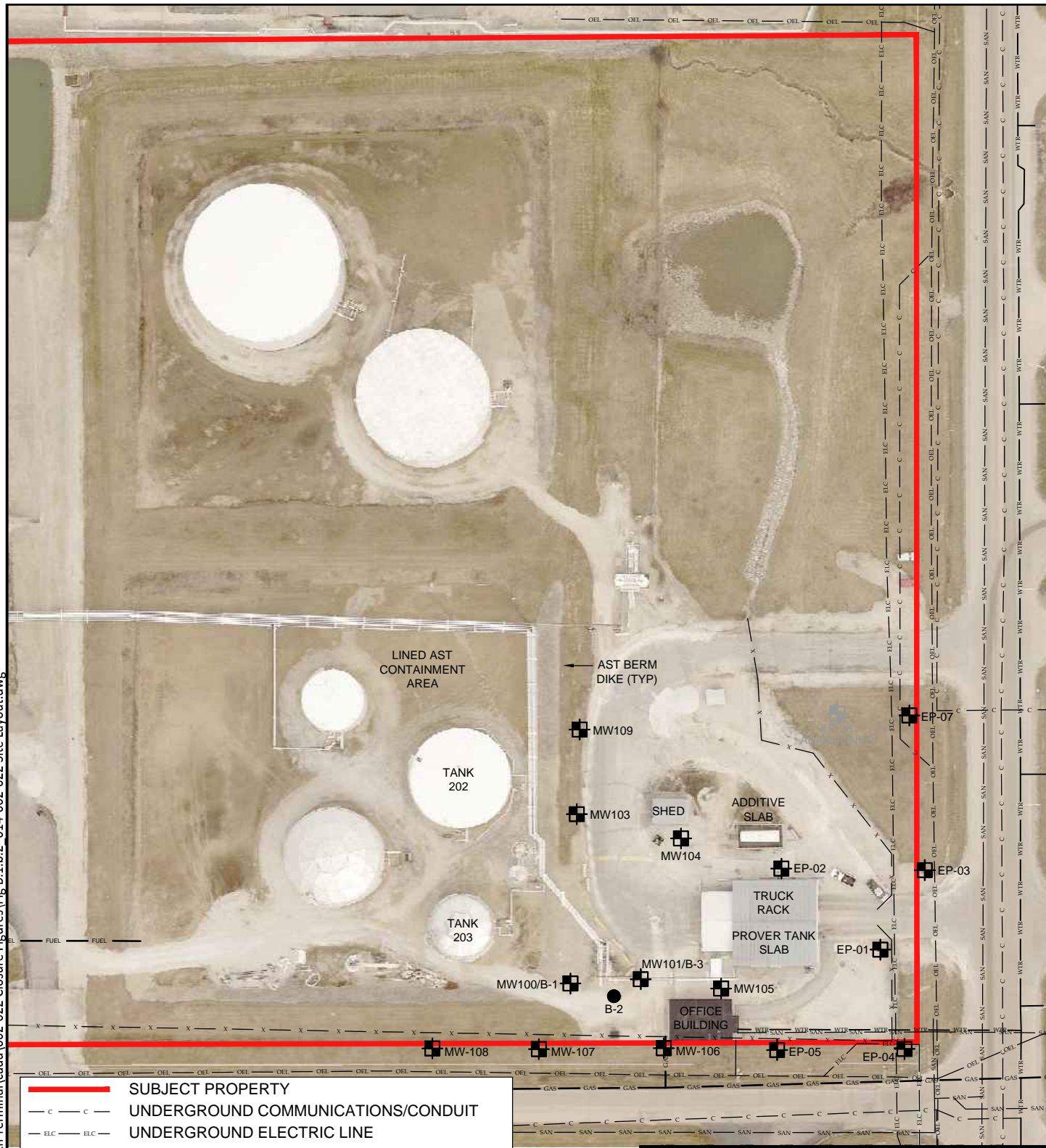
	SUBJECT PROPERTY
	UNDERGROUND COMMUNICATIONS/CONDUIT
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FUEL LINE
	GAS LINE
	OVERHEAD ELECTRIC & COMMUNICATIONS LINE
	SANITARY SEWER
	WATER MAIN/SERVICE

NOTE: ALL UTILITIES SHOWN ARE APPROXIMATE AND WERE DIGITIZED PER DIGGERS HOTLINE UTILITY MAPS.



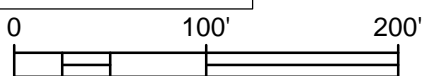
SITE OVERVIEW		
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL 9135 NORTH 107TH STREET MILWAUKEE, WISCONSIN		
Endpoint Solutions		
6871 S. Lovers Lane Franklin, WI 53132		
Phone: (414) 427-1200		Fax: (414) 427-1259
DRAWN BY: NWD	DATE: 08/25/2021	B.1.b.1
REVIEWED BY: TJM	PROJECT NO: 014-002-022	

Source: MCLIO



	SUBJECT PROPERTY
	UNDERGROUND COMMUNICATIONS/CONDUIT
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND FUEL LINE
	GAS LINE
	OVERHEAD ELECTRIC & COMMUNICATIONS LINE
	SANITARY SEWER
	WATER MAIN/SERVICE
	MONITORING WELL LOCATION
	SOIL BORING LOCATION

NOTE: ALL UTILITIES SHOWN ARE APPROXIMATE AND WERE DIGITIZED PER DIGGERS HOTLINE UTILITY MAPS.



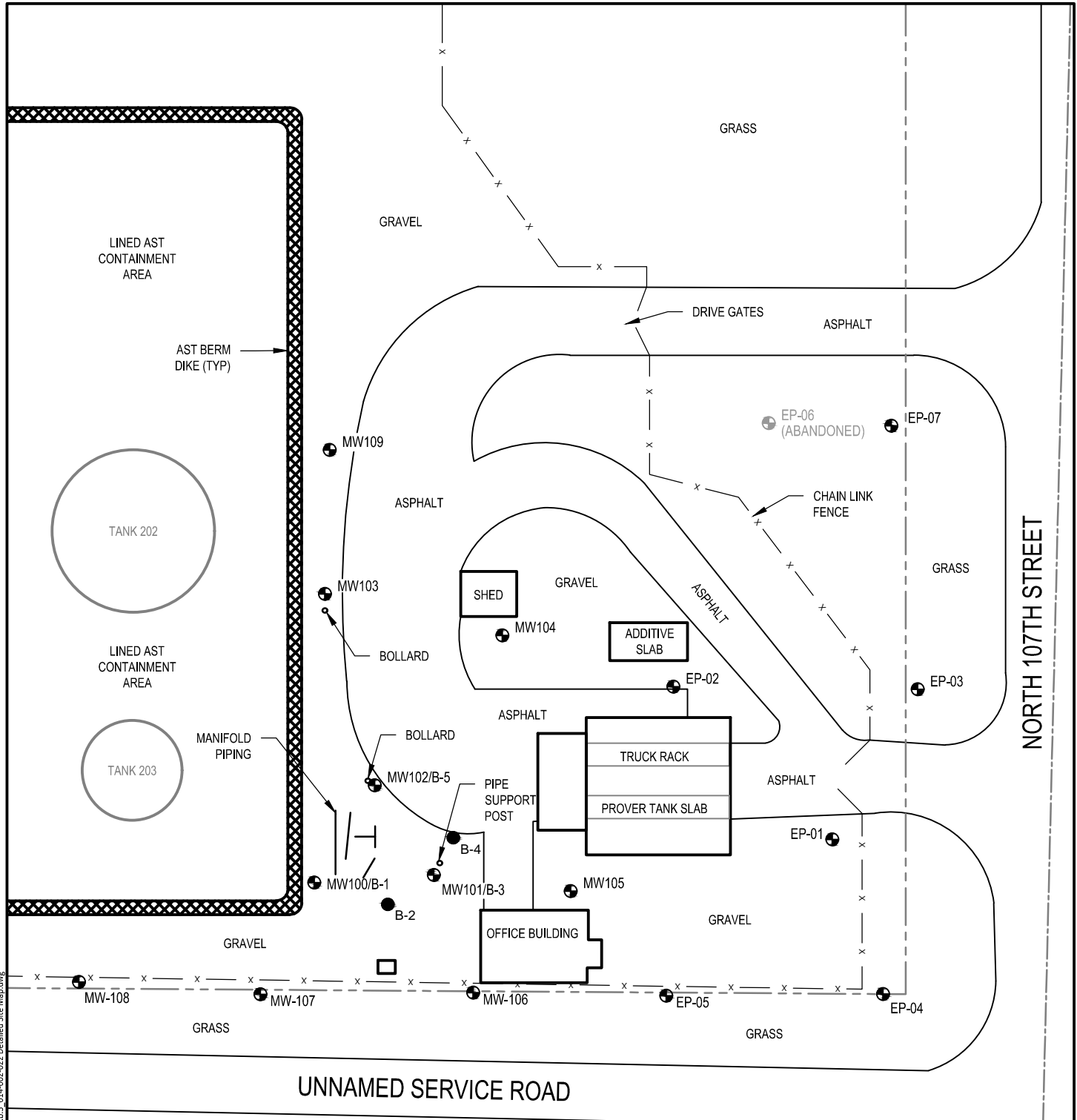
SITE LAYOUT

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN

Endpoint Solutions

6871 S. Lovers Lane
 Franklin, WI 53132

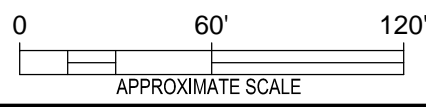
Phone: (414) 427-1200		Fax: (414) 427-1259	
DRAWN BY: NWD	DATE: 08/24/2021		
REVIEWED BY: TJM	PROJECT NO: 014-002-022	B.1.b.2	



NORTH 107TH STREET

UNNAMED SERVICE ROAD

	PROPERTY LINE
	FENCE
	MW102 MONITORING WELL LOCATION
	B-2 SOIL BORING LOCATION

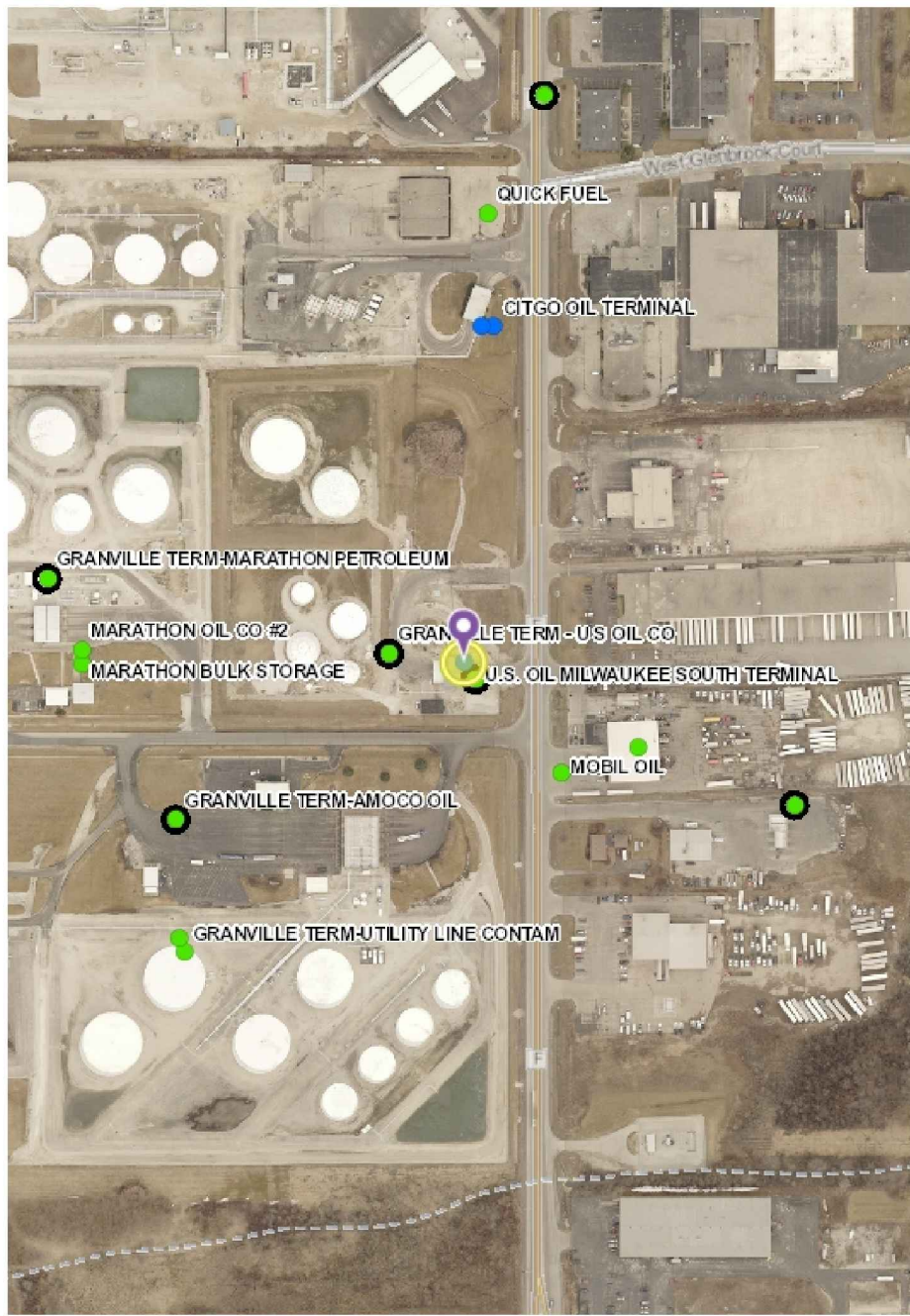


DETAILED SITE MAP		
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL 9135 NORTH 107TH STREET MILWAUKEE, WISCONSIN		
Endpoint Solutions		
6871 S. Lovers Lane Franklin, WI 53132		
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REVIEWED BY: TCP	PROJECT NO: 014-002-020	

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RR Sites Map



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site



NAD_1983_HARN_Wisconsin_TM

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Note: Not all sites are mapped.

1:3,960



Notes

RR SITES MAP

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
9135 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

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6871 S. Lovers Lane
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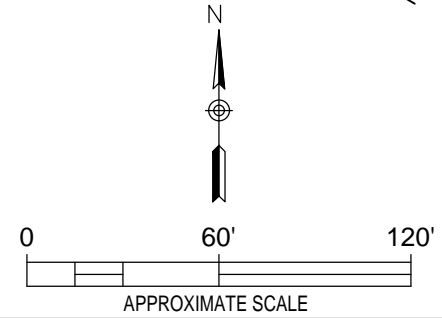
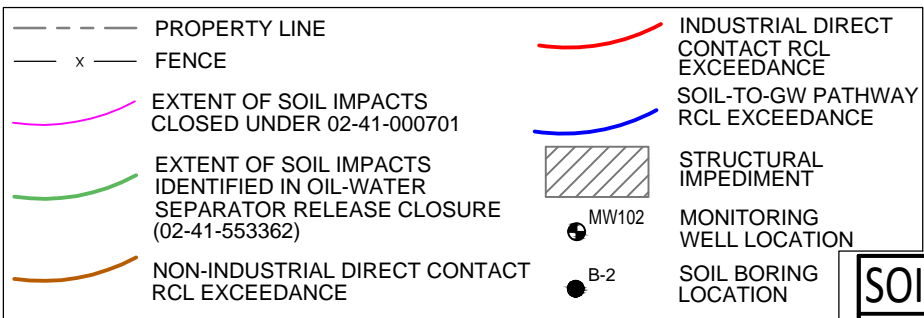
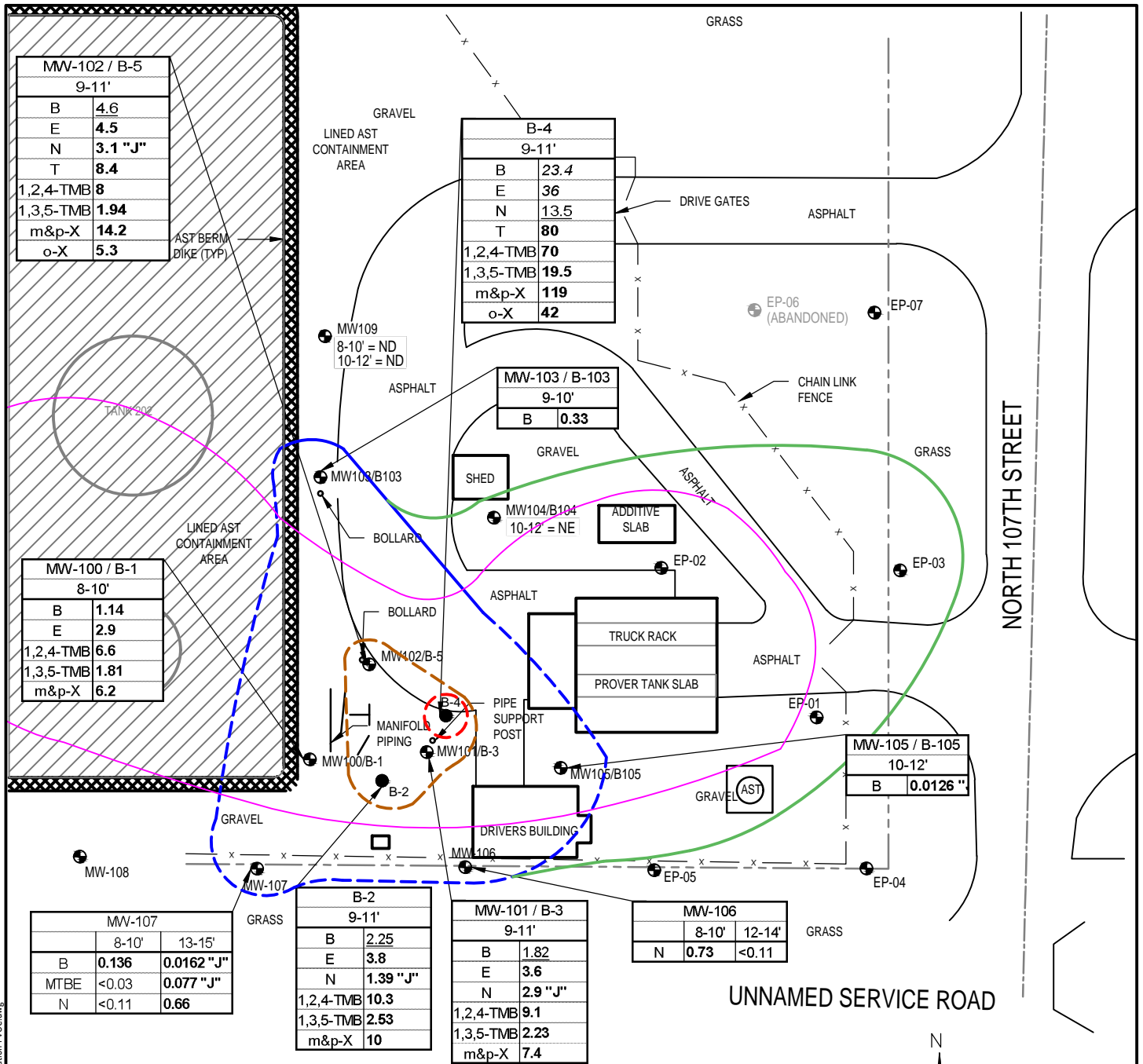
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REVIEWED BY: TCP PROJECT NO: 014-002-022

B.1.c



NOTES

- 1. ALL OTHER CONSTITUENTS REPORTED AS MILLIGRAMS PER KILOGRAM (mg/Kg).
- 2. ONLY CONCENTRATIONS ABOVE THE WISCONSIN REGULATORY STANDARD SHOWN.
- "J" = DETECTION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION
- NE = NO EXCEEDANCE
- ND = NON-DETECT
- B = BENZENE
- E = ETHYLBENZENE
- N = NAPHTHALENE
- T = TOLUENE
- 1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE
- 1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE
- M&P-X = M&P-XYLENE
- O-X = O-XYLENE
- MTBE = METHYL TERT-BUTYL ETHER

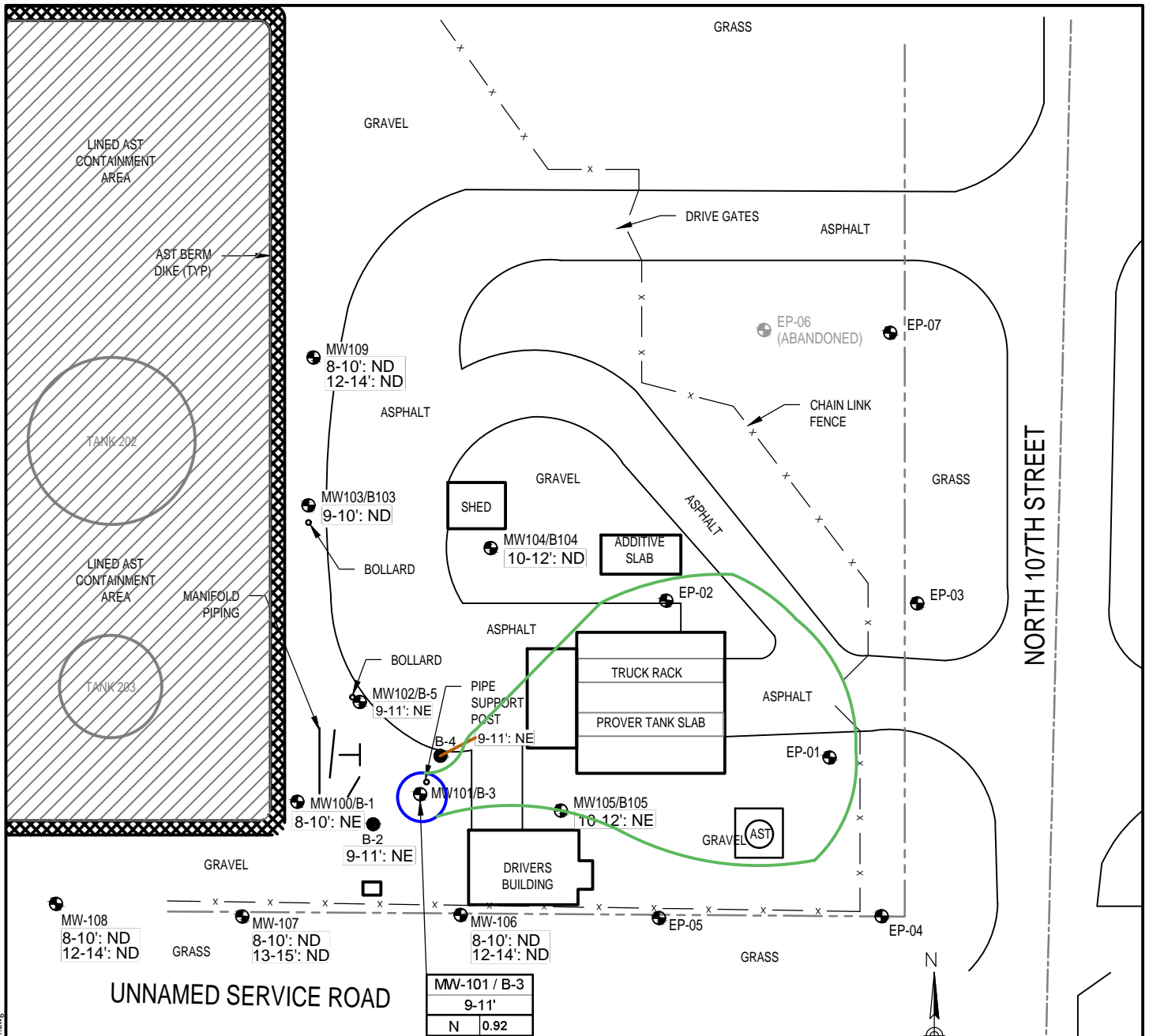
SOIL CONTAMINATION - PVOCS

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN

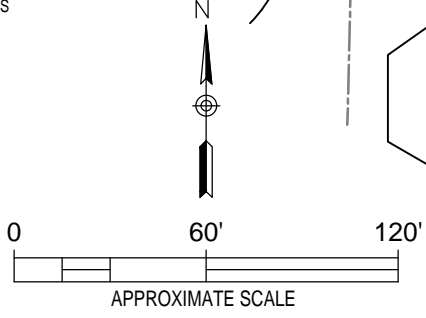
Endpoint Solutions

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MW-101 / B-3	
	9-11'
N	0.92



- PROPERTY LINE
- FENCE
- MW102 MONITORING WELL LOCATION
- B-2 SOIL BORING LOCATION
- EXTENT OF SOIL IMPACTS IDENTIFIED IN OIL-WATER SEPARATOR RELEASE CLOSURE (02-41-553362)
- EXTENT OF SOIL CONTAMINATION THAT EXCEEDS SOIL-TO-GW PATHWAY RCL
- STRUCTURAL IMPEDIMENT

NOTES

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- ONLY CONCENTRATIONS ABOVE THE WISCONSIN REGULATORY STANDARD SHOWN.

N = NAPHTHALENE
 NE = NO EXCEEDANCE
 ND = NON-DETECT

SOIL CONTAMINATION - PAHs

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN

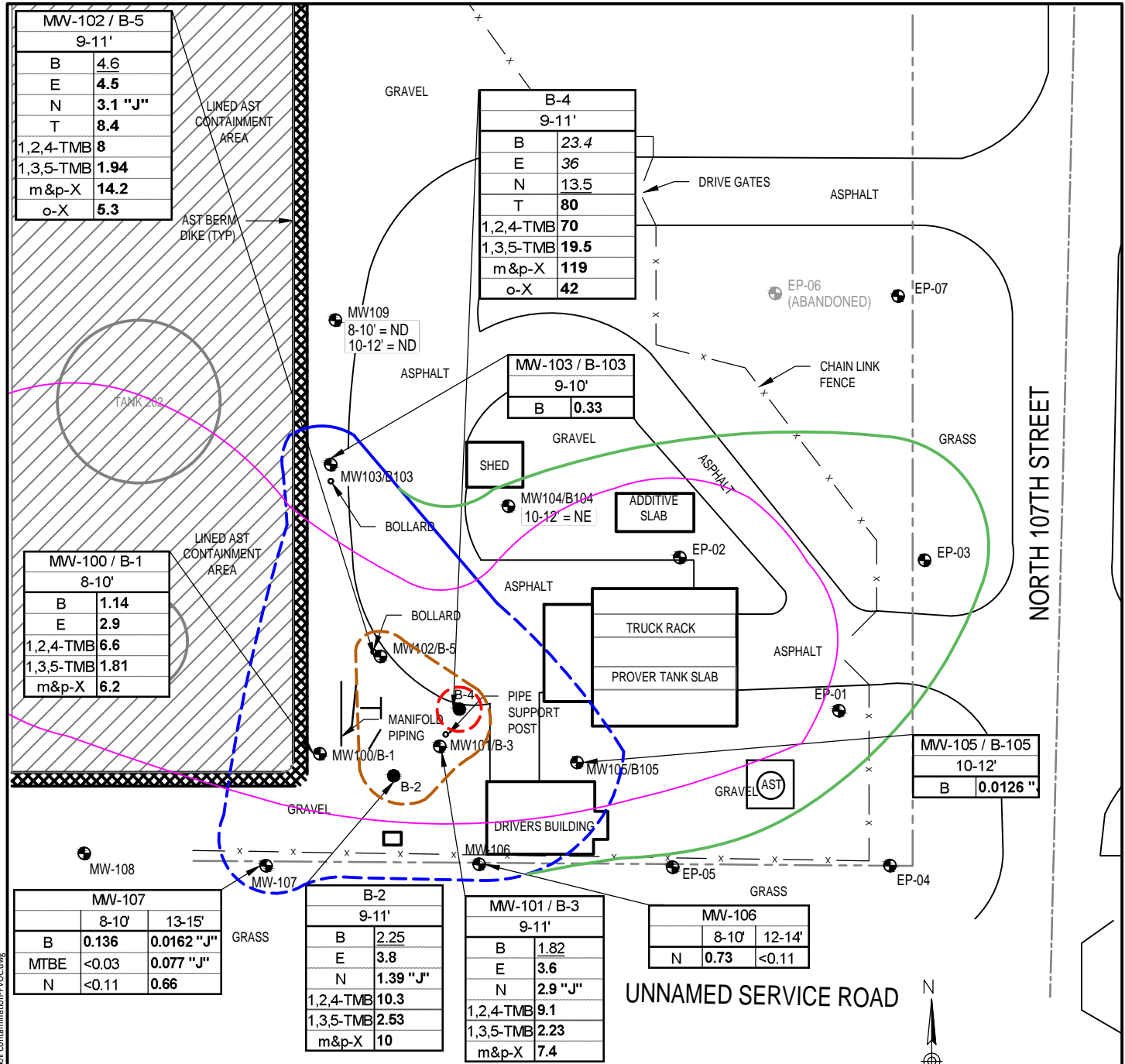
Endpoint Solutions

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REVIEWED BY: TJM	PROJECT NO: 014-002-022	

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MW-102 / B-5	
9-11'	
B	4.6
E	4.5
N	3.1 "J"
T	8.4
1,2,4-TMB	8
1,3,5-TMB	1.94
m&p-X	14.2
o-X	5.3

B-4	
9-11'	
B	23.4
E	36
N	13.5
T	80
1,2,4-TMB	70
1,3,5-TMB	19.5
m&p-X	119
o-X	42

MW-103 / B-103	
9-10'	
B	0.33

MW-100 / B-1	
8-10'	
B	1.14
E	2.9
1,2,4-TMB	6.6
1,3,5-TMB	1.81
m&p-X	6.2

MW-107		
8-10'		
13-15'		
B	0.136	0.0162 "J"
MTBE	<0.03	0.077 "J"
N	<0.11	0.66

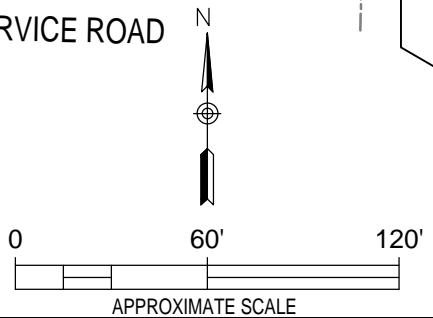
B-2	
9-11'	
B	2.25
E	3.8
N	1.39 "J"
1,2,4-TMB	10.3
1,3,5-TMB	2.53
m&p-X	10

MW-101 / B-3	
9-11'	
B	1.82
E	3.6
N	2.9 "J"
1,2,4-TMB	9.1
1,3,5-TMB	2.23
m&p-X	7.4

MW-106		
8-10'		
12-14'		
N	0.73	<0.11

MW-105 / B-105	
10-12'	
B	0.0126 "

---	PROPERTY LINE	---	INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCE
- x -	FENCE	---	SOIL-TO-GW PATHWAY RCL EXCEEDANCE
---	EXTENT OF SOIL IMPACTS CLOSED UNDER 02-41-000701	---	STRUCTURAL IMPEDIMENT
---	EXTENT OF SOIL IMPACTS IDENTIFIED IN OIL-WATER SEPARATOR RELEASE CLOSURE (02-41-553362)	●	MW102 MONITORING WELL LOCATION
---	NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCE	●	B-2 SOIL BORING LOCATION

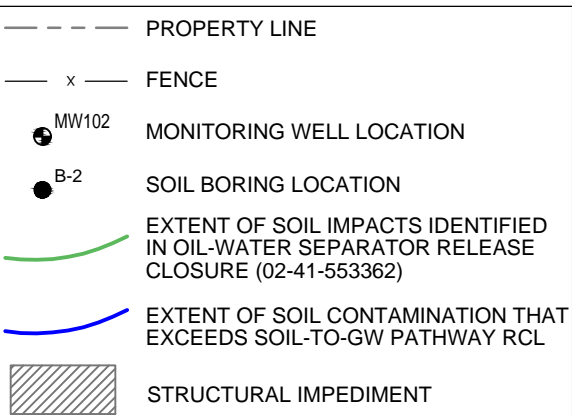
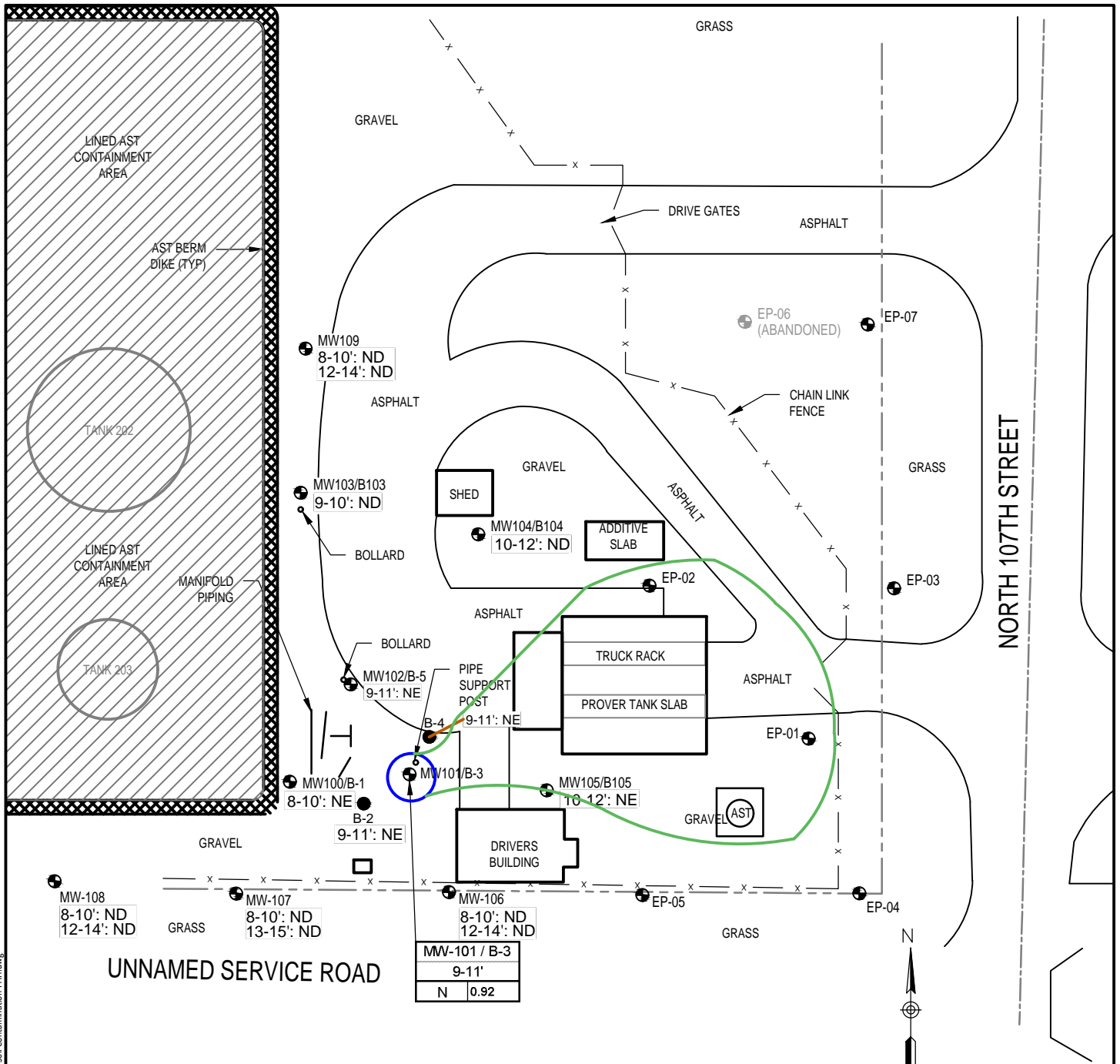


RESIDUAL SOIL CONTAMINATION - PVOCs
 U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN

Endpoint Solutions
 6871 S. Lovers Lane
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 DRAWN BY: MLP DATE: 08/12/2021
 REVIEWED BY: TJM PROJECT NO: 014-002-022

NOTES
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 2. ONLY CONCENTRATIONS ABOVE THE WISCONSIN REGULATORY STANDARD SHOWN.
 "J" = DETECTION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTITATION
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 ND = NON-DETECT 1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE
 B = BENZENE M&P-X = M&P-XYLENE
 E = ETHYLBENZENE O-X = O-XYLENE
 N = NAPHTHALENE MTBE = METHYL TERT-BUTYL ETHER
 T = TOLUENE

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NOTES

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2. ONLY CONCENTRATIONS ABOVE THE WISCONSIN REGULATORY STANDARD SHOWN.

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 NE = NO EXCEEDANCE
 ND = NON-DETECT

RESIDUAL SOIL CONTAMINATION - PAHs

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
 9135 NORTH 107TH STREET
 MILWAUKEE, WISCONSIN



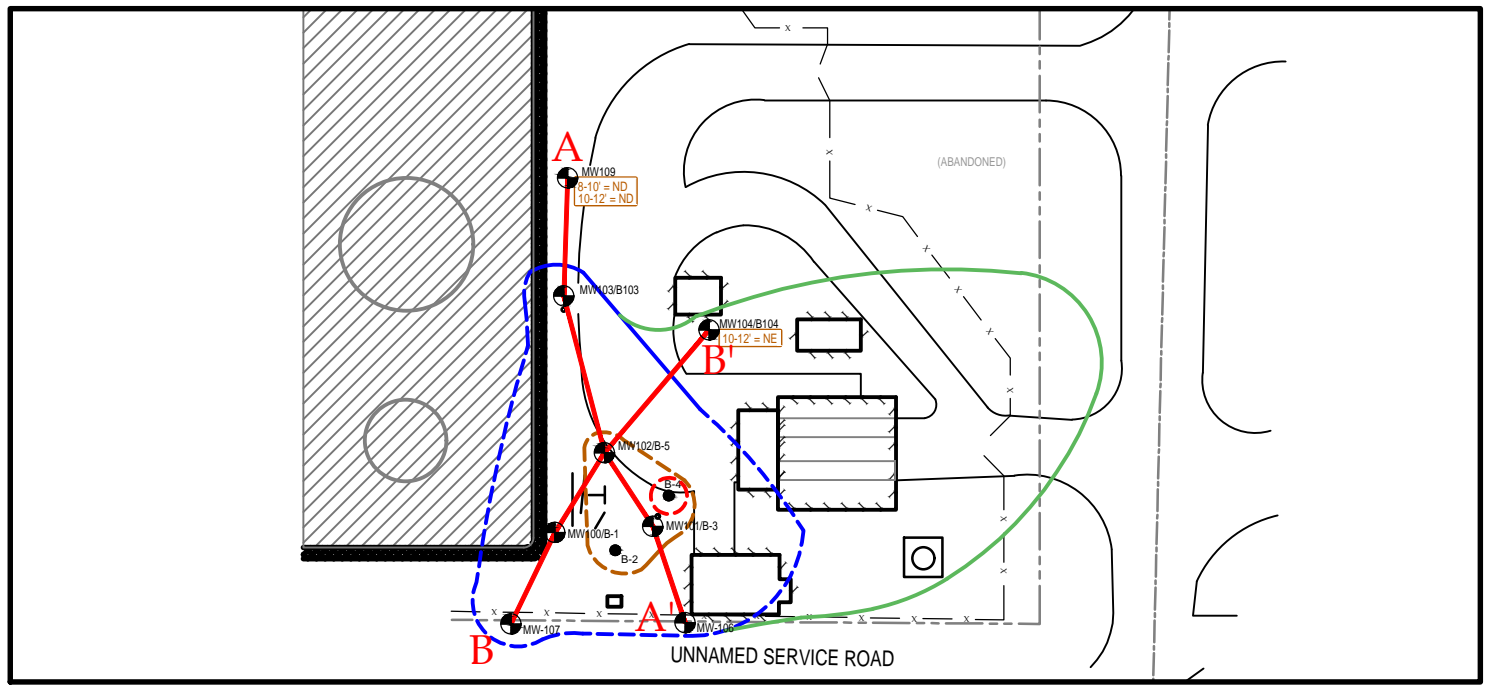
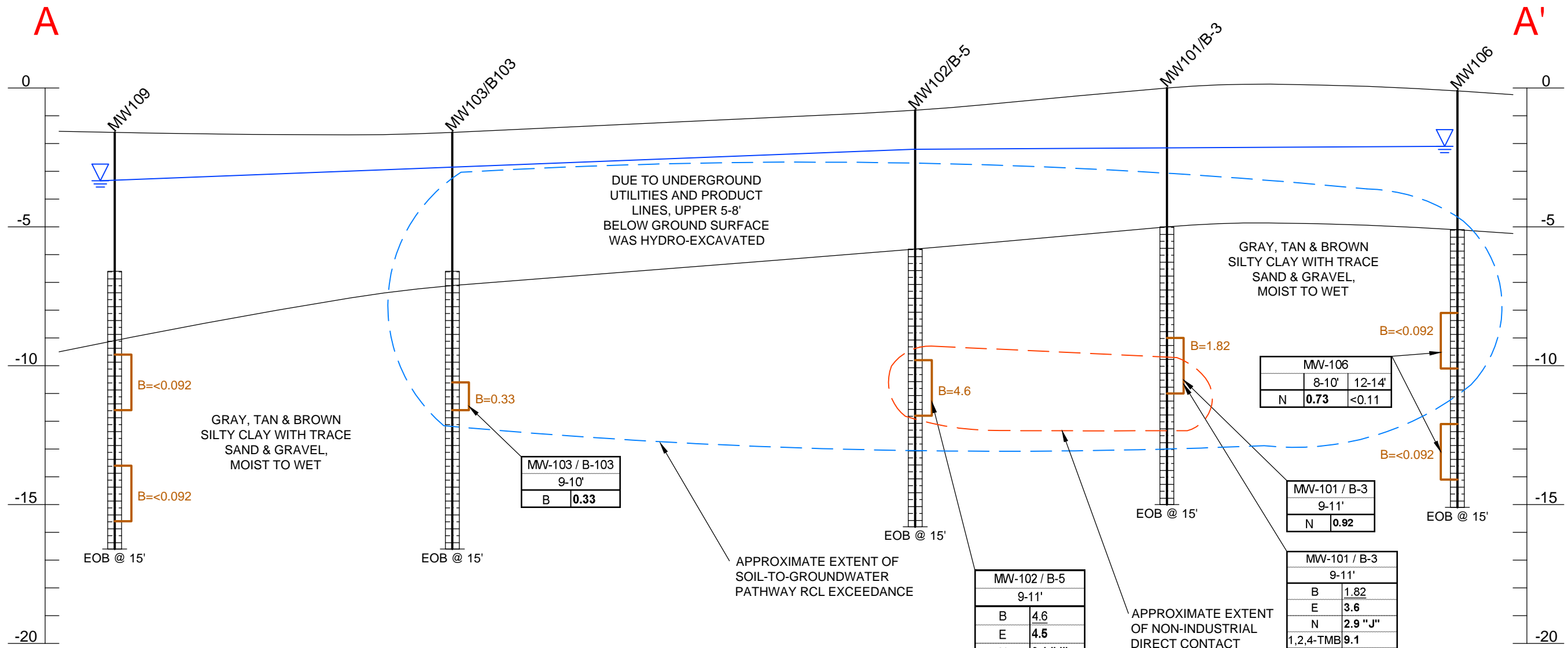
6871 S. Lovers Lane
 Franklin, WI 53132

Phone: (414) 427-1200 Fax: (414) 427-1259

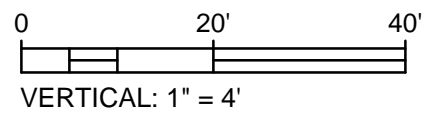
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REVIEWED BY: TJM	PROJECT NO: 014-002-022	

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P:\US Venture - 014\002 - Milwaukee South Terminal\lead\002-022 Closure Figures\Figs.B.3.a.1-2_014-002-022 Geologic Cross Sections.dwg



B -	BENZENE
MTBE -	METHYL TERT-BUTYLETHER
N -	NAPHTHALENE
E -	ETHYLBENZENE
T -	TOLUENE
1,2,3-TMB -	1,2,4-TRIMETHYLBENZENE
1,3,5-TMB -	1,3,5-TRIMETHYLBENZENE
M&P-X -	M&P-XYLENE
O-X -	O-XYLENE



GEOLOGIC CROSS-SECTION A-A'

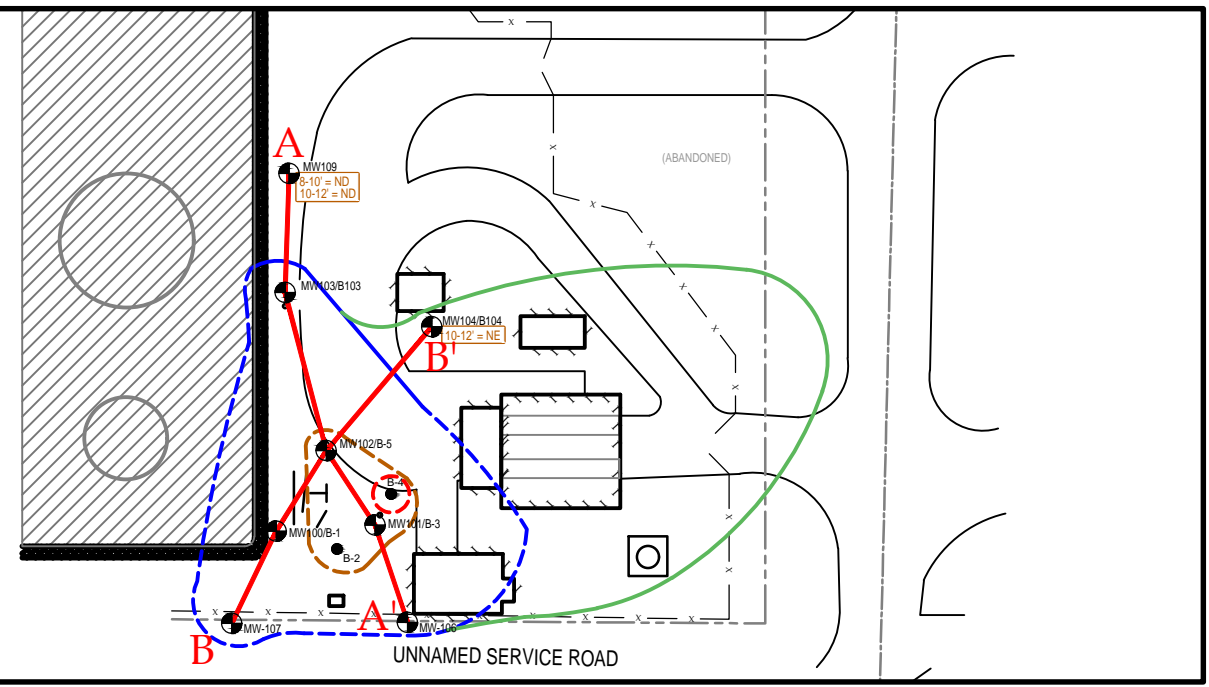
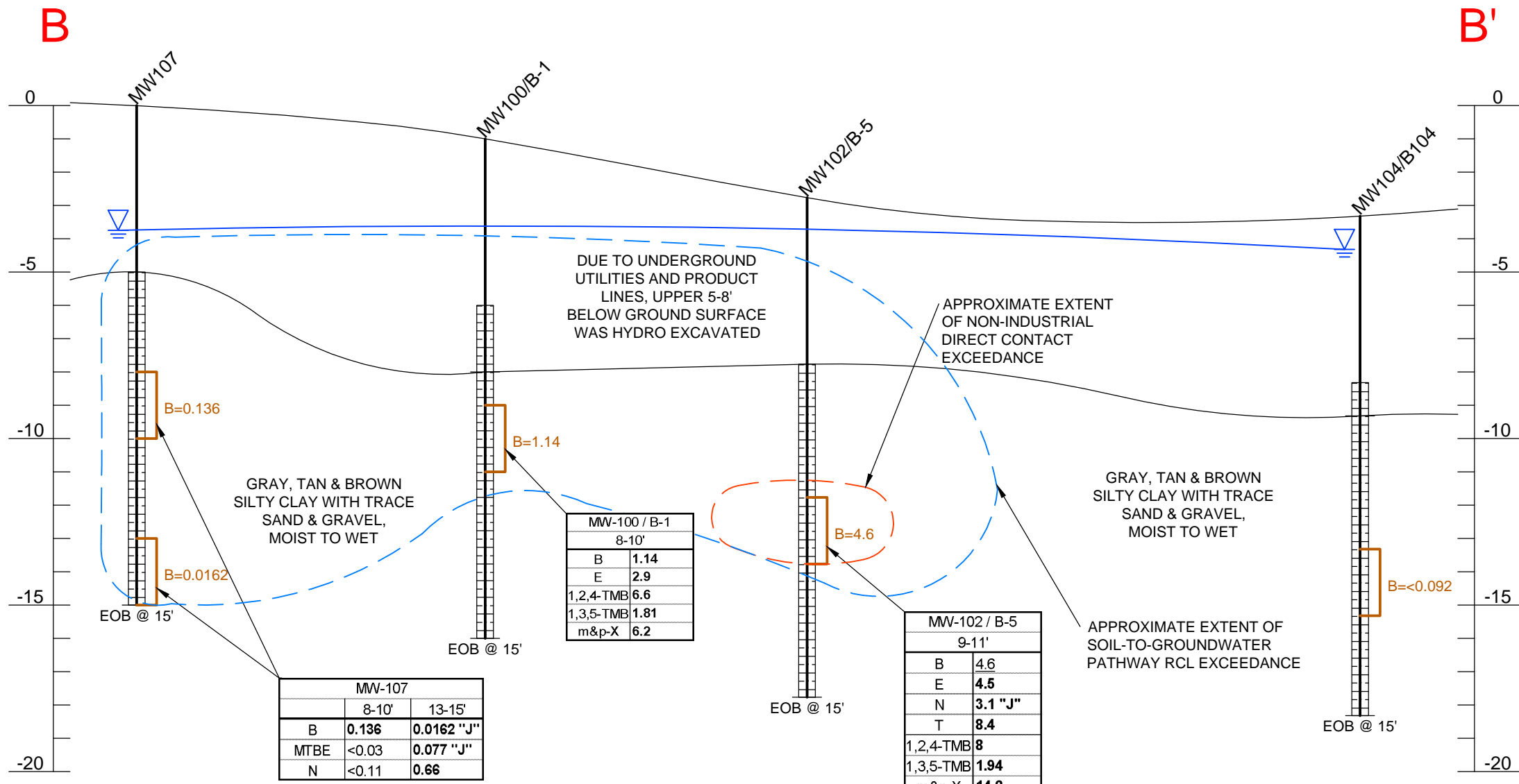
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
9135 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

Endpoint Solutions

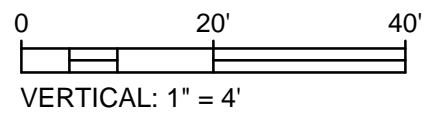
6871 S. Lovers Lane
Franklin, WI 53132

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REVIEWED BY: TJM	PROJECT NO: 014-002-022	



- B - BENZENE
- MTBE - METHYL TERT-BUTYLETHER
- N - NAPHTHALENE
- E - ETHYLBENZENE
- T - TOLUENE
- 1,2,3-TMB - 1,2,4-TRIMETHYLBENZENE
- 1,3,5-TMB - 1,3,5-TRIMETHYLBENZENE
- M&P-X - M&P-XYLENE
- O-X - O-XYLENE



GEOLOGIC CROSS-SECTION B-B'

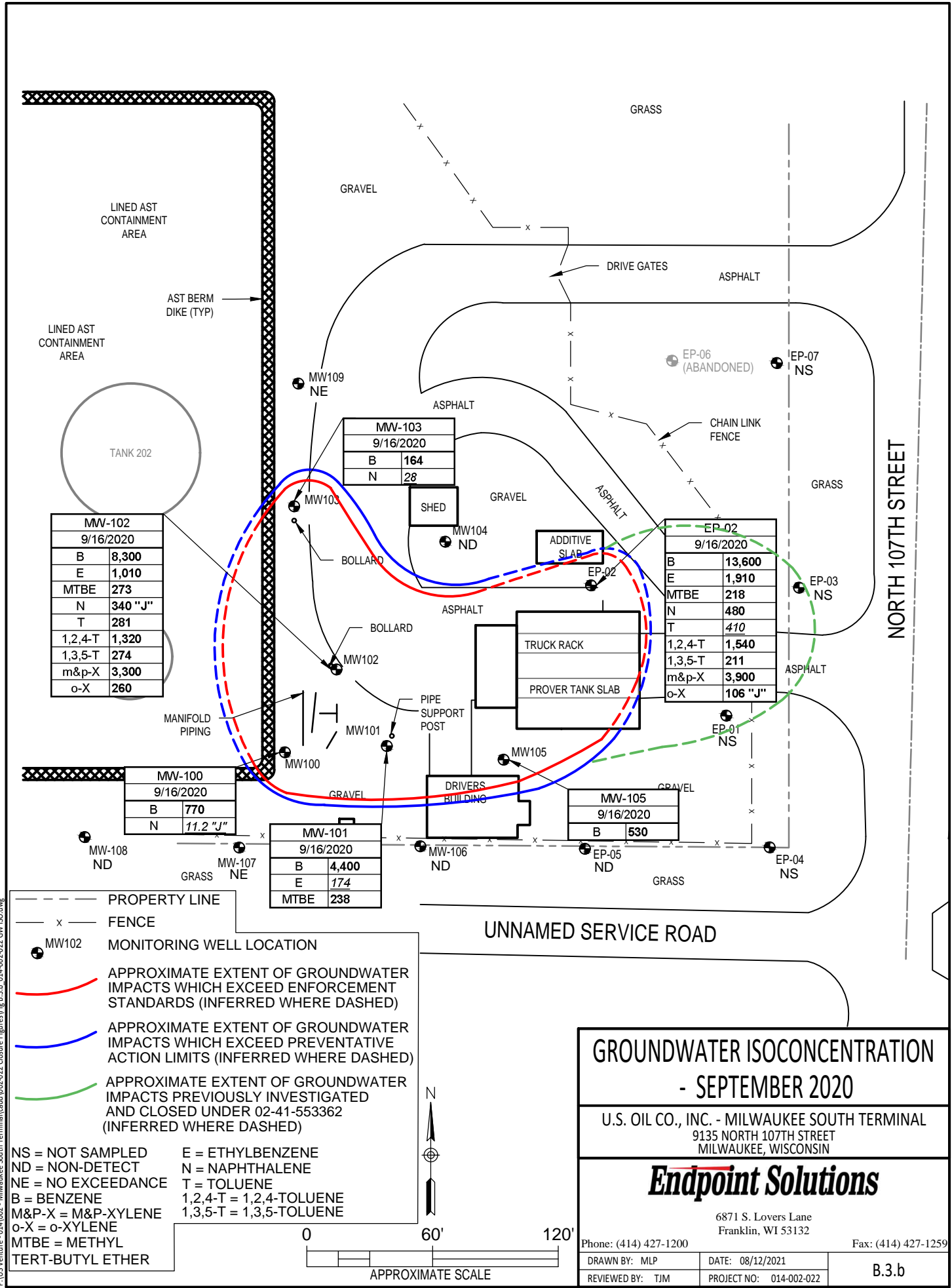
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
9135 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

Endpoint Solutions

6871 S. Lovers Lane
Franklin, WI 53132

Phone: (414) 427-1200 Fax: (414) 427-1259

DRAWN BY: MLP	DATE: 08/13/2021	B.3.a.2
REVIEWED BY: TJM	PROJECT NO: 014-002-022	



LINED AST CONTAINMENT AREA

LINED AST CONTAINMENT AREA



MW-102	
9/16/2020	
B	8,300
E	1,010
MTBE	273
N	340 "J"
T	281
1,2,4-T	1,320
1,3,5-T	274
m&p-X	3,300
o-X	260

MW-103	
9/16/2020	
B	164
N	28

EP-06 (ABANDONED)

EP-07 NS

EP-02	
9/16/2020	
B	13,600
E	1,910
MTBE	218
N	480
T	410
1,2,4-T	1,540
1,3,5-T	211
m&p-X	3,900
o-X	106 "J"

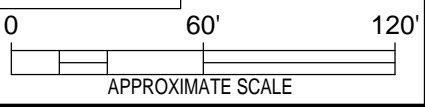
MW-100	
9/16/2020	
B	770
N	11.2 "J"

MW-101	
9/16/2020	
B	4,400
E	174
MTBE	238

MW-105	
9/16/2020	
B	530

- - - - - PROPERTY LINE
 x - - - - - FENCE
 ● MW102 MONITORING WELL LOCATION
 (Red dashed line) APPROXIMATE EXTENT OF GROUNDWATER IMPACTS WHICH EXCEED ENFORCEMENT STANDARDS (INFERRED WHERE DASHED)
 (Blue dashed line) APPROXIMATE EXTENT OF GROUNDWATER IMPACTS WHICH EXCEED PREVENTATIVE ACTION LIMITS (INFERRED WHERE DASHED)
 (Green dashed line) APPROXIMATE EXTENT OF GROUNDWATER IMPACTS PREVIOUSLY INVESTIGATED AND CLOSED UNDER 02-41-553362 (INFERRED WHERE DASHED)

NS = NOT SAMPLED E = ETHYLBENZENE
 ND = NON-DETECT N = NAPHTHALENE
 NE = NO EXCEEDANCE T = TOLUENE
 B = BENZENE 1,2,4-T = 1,2,4-TOLUENE
 M&P-X = M&P-XYLENE 1,3,5-T = 1,3,5-TOLUENE
 o-X = o-XYLENE
 MTBE = METHYL TERT-BUTYL ETHER



GROUNDWATER ISOCONCENTRATION
- SEPTEMBER 2020

U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL
9135 NORTH 107TH STREET
MILWAUKEE, WISCONSIN

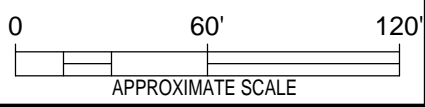
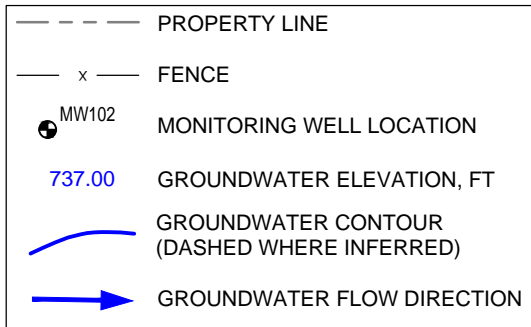
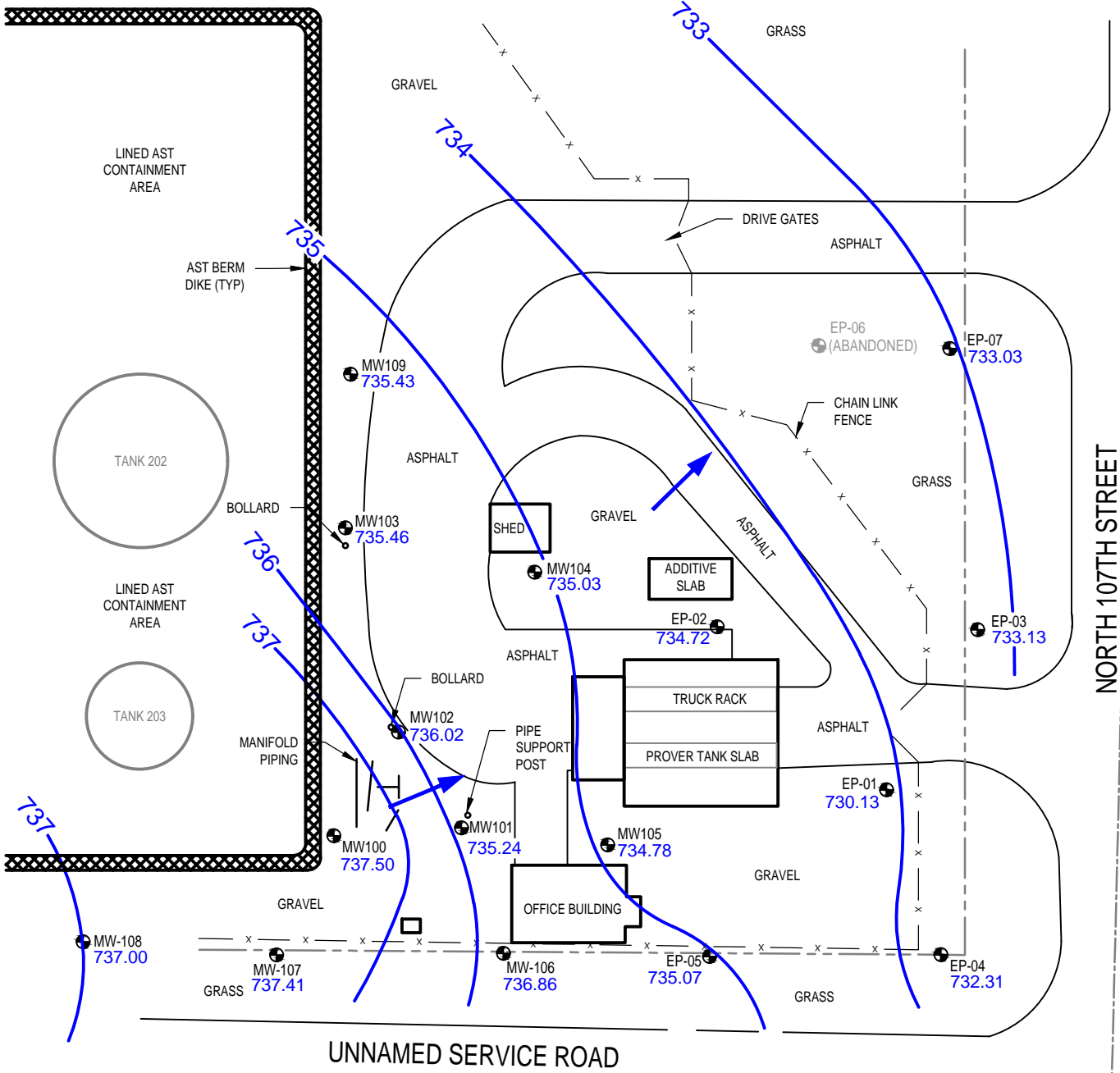
Endpoint Solutions

6871 S. Lovers Lane
Franklin, WI 53132

Phone: (414) 427-1200 Fax: (414) 427-1259

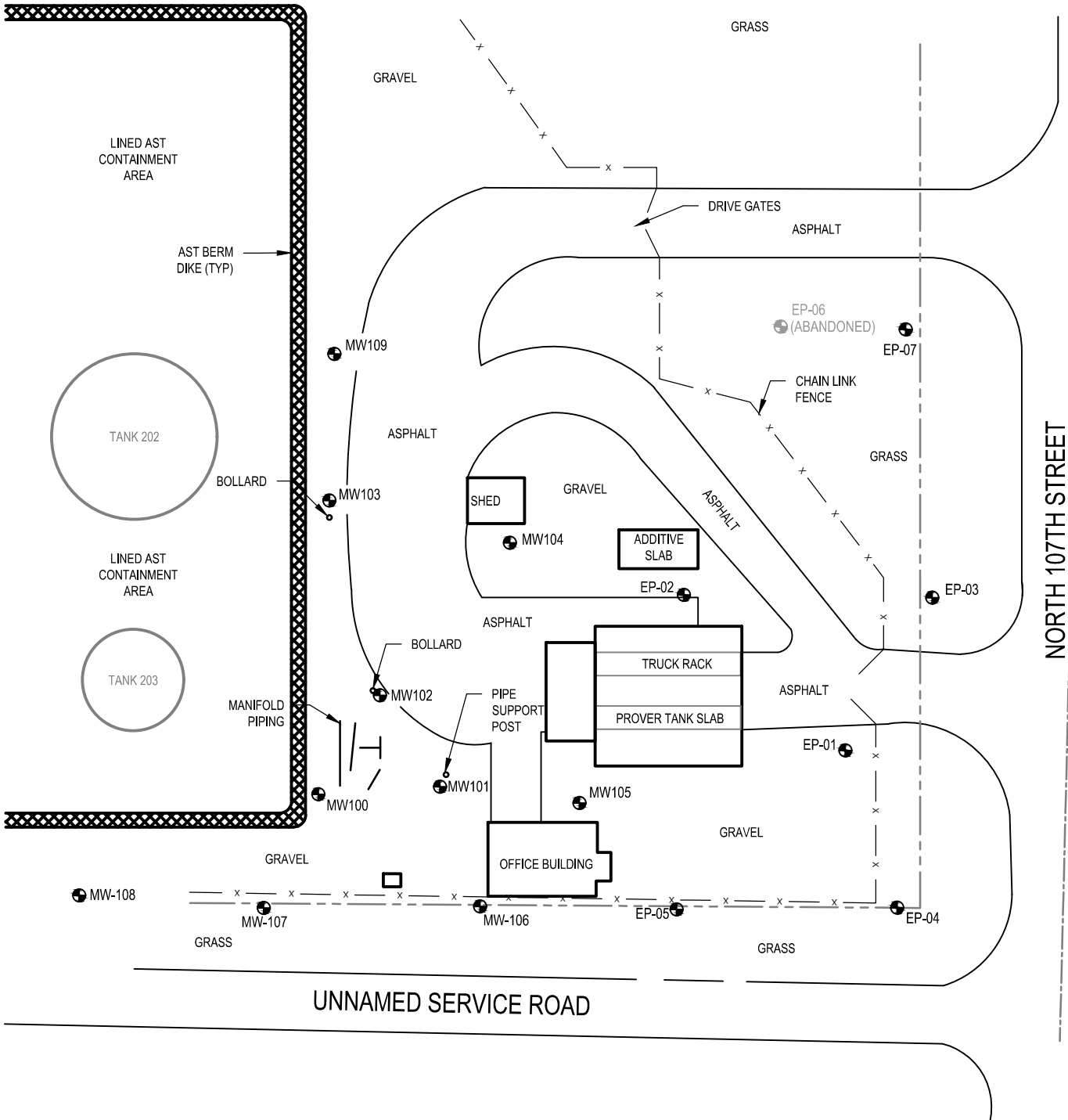
DRAWN BY: MLP	DATE: 08/12/2021	B.3.b
REVIEWED BY: TJM	PROJECT NO: 014-002-022	

P:\US Venture - 014\002 - Milwaukee South Terminal\Cadd\002-022 Closure Figures\Fig. B.3.b. 014-002-022 GW ISO.dwg

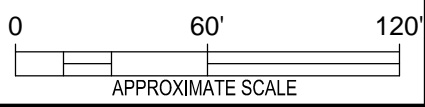


GROUNDWATER FLOW DIRECTION SEPTEMBER 2020		
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL 9135 NORTH 107TH STREET MILWAUKEE, WISCONSIN		
Endpoint Solutions		
6871 S. Lovers Lane Franklin, WI 53132		
Phone: (414) 427-1200 Fax: (414) 427-1259		
DRAWN BY: NWD	DATE: 08/12/2021	B.3.c
REVIEWED BY: TCP	PROJECT NO: 014-002-022	

P:\US Venture - 014\002 - Milwaukee South Terminal\Cadd\002-022 Closure Figures\Fig. B.3.c_014-002-022 GW Flow Direction.dwg



	PROPERTY LINE
	FENCE
	MW102 MONITORING WELL LOCATION (TO BE ABANDONED)



MONITORING WELLS		
U.S. OIL CO., INC. - MILWAUKEE SOUTH TERMINAL 9135 NORTH 107TH STREET MILWAUKEE, WISCONSIN		
Endpoint Solutions		
6871 S. Lovers Lane Franklin, WI 53132		
Phone: (414) 427-1200 Fax: (414) 427-1259		
DRAWN BY: NWD	DATE: 10/01/2020	B.3.d
REVIEWED BY: TCP	PROJECT NO: 014-002-022	

P:\US Venture - 014\002 - Milwaukee South Terminal\Cadd\002-022 Closure Figures\Fig. B.3.d_014-002-022 MWs.dwg

TABLES

A.1 – GROUNDWATER ANALYTICAL RESULTS (12 PAGES)

A.2.A – SOIL ANALYTICAL RESULTS – VOCs (1 PAGE)

A.2.B – SOIL ANALYTICAL RESULTS – PAHs (1 PAGE)

A.3.A – RESIDUAL SOIL ANALYTICAL RESULTS – VOCs (1 PAGE)

A.3.B – RESIDUAL SOIL ANALYTICAL RESULTS – PAHs (1 PAGE)

A.6 - WATER ELEVATIONS (1 PAGE)

Table A.1
Groundwater Analytical Results
Monitoring Well MW-100
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	12/21/11	3/14/12	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																																	
Benzene	5	<u>0.5</u>	192	1,290	1,500	1,420	1,680	4,300	1,190	1,160	1,120	1,590	1,090	1,110	1,310	1,170	840	1,150	1,150	1,290	1,020	1,140	1,110	930	990	930	990	980	1,080	1,240	1,270	770	
Ethylbenzene	700	<u>140</u>	14.8 "J"	264	590	238	266	262	131	160	283	266	198	163	276	137	50	420	560	204	63	139	340	85	36	90	360	67	293	232	430	39	
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	<8	<8	<2.3	<u>12</u>	<3.7	237	<18.5	<24.5	<4.9	<24.5	<4.9	<4.9	<4.9	<4.9	<2.15	<8.2	<8.2	<4.3	<5.7	6.1 "J"	<5.7	<2.8	<2.8	<2.4	<2.4	2.66 "J"	<4.7	<9.4	<4.7		
Naphthalene	100	<u>10</u>	<u>10.1</u>	53	<u>31.3</u>	17.7	<u>10.3</u>	88	<60	<130	<u>32 "J"</u>	<130	<u>44 "J"</u>	<26	<u>28.5 "J"</u>	<26	<26	55	<u>66 "J"</u>	<u>35 "J"</u>	<17	<u>34 "J"</u>	<u>42 "J"</u>	<u>35 "J"</u>	<21	<21	<u>31.3 "J"</u>	<13	<u>57</u>	<u>29.2 "J"</u>	<u>48 "J"</u>	<u>11.2 "J"</u>	
Toluene	800	<u>160</u>	19	66	63	39	40	90	<40	25.5 "J"	51	53 "J"	49	34	54	33	21.3	72	90	44	36	36	62	24.2	24	22.1	59	27.2	75	56	74	32	
1,2,4-Trimethylbenzene	480*	<u>96*</u>	50	185	283	131	58	152	71 "J"	<34	70	45 "J"	64	17.8 "J"	24	<6.8	<6.8	83	86	<11.4	<5.6	17.7 "J"	49	<7.3	<8	<8	16.8	<4.6	18.8	7 "J"	15.2 "J"	<3	
1,3,5-Trimethylbenzene			34	<u>115</u>	<28	43	<8.6	76	<43	<41.5	<8.3	<41.5	14.4 "J"	<8.3	20.8 "J"	<8.3	<8.3	<u>19</u>	<u>29.7</u>	<9.1	<5.8	<7.5	<7.5	<7.5	<6.3	<6.3	<6.7	<6.7	18.8 "J"	8.3 "J"	17.6 "J"	<3.2	
m&p-Xylene	2,000*	<u>400*</u>	92	<u>390</u>	470	174	88	350	158 "J"	<70	155	73 "J"	177	60	97	24 "J"	21.7 "J"	218	259	49 "J"	37	87	148	21.1 "J"	19	13.8	124	19.2	146	70	143	20.1 "J"	
o-Xylene			13.1 "J"	<u>18.8 "J"</u>	19.4 "J"	13.9 "J"	16.3 "J"	20.7 "J"	<40.5	<33	19.3 "J"	39 "J"	19.3 "J"	13.5 "J"	15.3 "J"	7.4 "J"	8.4 "J"	24.4	20.7	6.9 "J"	8.2 "J"	18.5	21.5	8.8 "J"	7.4 "J"	5.6 "J"	15.6 "J"	<7	22.3 "J"	10.2 "J"	16.4 "J"	5.4 "J"	
PAHs (µg/L)																																	
Acenaphthene	--	--	7.6	6.5	2.64	1.67	3.01	11.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	--	--	2.03	1.47	0.5	0.32	0.91	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	3,000	<u>600</u>	2.74	1.17	0.76	0.106 "J"	0.87	2.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	--	--	0.97	0.81	0.153 "J"	0.162 "J"	0.58 "J"	0.38 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	<u>0.02</u>	0.38	0.252 "J"	<0.09	<u>0.12 "J"</u>	0.241 "J"	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	<u>0.02</u>	0.57	0.46 "J"	<0.1	<u>0.186 "J"</u>	0.307 "J"	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	--	--	0.202 "J"	<0.19	<0.115	<0.115	<0.23	<0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	--	--	0.238 "J"	0.237 "J"	<0.135	<0.135	<0.27	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	<u>0.02</u>	0.59	0.54 "J"	<u>0.12 "J"</u>	<u>0.169 "J"</u>	0.32 "J"	0.44 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	<0.16	<0.19	<0.115	<0.115	<0.23	<0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	<u>80</u>	2.27	1.99	0.39 "J"	0.52	1.14	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	<u>80</u>	12.4	9.5	2.92	2.01	4.1	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	--	--	0.184 "J"	<0.18	<0.135	<0.135	<0.27	<0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	--	--	63	29.7	21.6	16.7	21.5	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	--	45	69	1.9	0.171 "J"	0.32 "J"	98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	<u>10</u>	<u>10.1</u>	53	<u>31.3</u>	17.7	<u>10.3</u>	88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	17.7	17.3	3.08	1.77	6.2	22.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	<u>50</u>	2.71	2.4	0.49	0.53	1.34	2.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" : Detection between limit of detection and limit of quantitation
 NA = Parameter not analyzed
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-101
Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	ES	PAL	12/21/11	3/14/12	5/21/13	8/15/13	11/26/13	2/25/14	12/3/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20		
PVOCs (µg/L)																																		
Benzene	5	<u>0.5</u>	3,400	4,900	5,000	5,200	5,100	1,110	4,100	4,300	5,300	6,600	5,900	4,800	4,900	4,700	5,100	6,300	5,800	5,800	4,900	7,100	7,000	5,100	6,000	NS	6,500	5,900	6,500	6,800	7,000	4,400		
Ethylbenzene	700	<u>140</u>	370	298	520	490	350	141	247	304	340	400	307	187	187	204	156	242	210	160	113	298	212	200	241	NS	300	211	185	234	294	174		
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	180	240	220	256	304	<18.5	156	208	264	312	293	234	275	263	307	340	290	212	330	350	390	299	420	NS	390	330	340	350	390	238		
Naphthalene	100	<u>10</u>	97	88	88	58	65	3.9	115	95	131 "J"	<260	<130	<130	<130	161 "J"	<130	101 "J"	<108.5	<108.5	110 "J"	90 "J"	115 "J"	114 "J"	71 "J"	NS	67 "J"	<65	70 "J"	<55	<110	<55		
Toluene	800	<u>160</u>	252	148	150	133	580	<40	108	97	172	160	147	123	99	89	145	158	132	90 "J"	115	177	165	122	156	NS	145	129	129	148	125	119		
1,2,4-Trimethylbenzene	480*	<u>96*</u>	700	330	340 "J"	300	380	61 "J"	226	193	254	285	211	170	127	91 "J"	99 "J"	146	115 "J"	<57	70 "J"	141	89 "J"	81 "J"	103	NS	69 "J"	42 "J"	107	43 "J"	37 "J"	28 "J"		
1,3,5-Trimethylbenzene			208	134	116 "J"	118 "J"	143	<43	70	46	69	<83	62 "J"	<41.5	74 "J"	<41.5	<41.5	22.6 "J"	<45.5	<45.5	<29	<37.5	<37.5	<37.5	21.4 "J"	NS	<33.5	<33.5	<33.5	23.5 "J"	<32	<16		
m&p-Xylene	2,000*	<u>400*</u>	1,650	770	770	540	730	96 "J"	450	400	560	590	490	410	340	265	282	440	370	200 "J"	263	460	350	284	430	NS	308	226	320	340	301 "J"	137 "J"		
o-Xylene			258	72 "J"	58 "J"	112 "J"	146	<40.5	33	28.6	76.0	92 "J"	55 "J"	51 "J"	41 "J"	34 "J"	41 "J"	49.0	40 "J"	24 "J"	<30.5	51 "J"	65 "J"	46 "J"	42	NS	41 "J"	45 "J"	39 "J"	30 "J"	<38	23.5 "J"		
PAHs (µg/L)																																		
Acenaphthene	-----	-----	10.5	9.7	2.6	1.91	1.39	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	
Acenaphthylene	-----	-----	3.5	3.1	0.59 "J"	<0.4	<0.4	1.13 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	
Anthracene	3,000	<u>600</u>	2.56	2.71 "J"	<0.4	<0.4	<0.4	0.99 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	-----	-----	0.99 "J"	1.75 "J"	<0.5	<0.5	<0.5	0.93 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	<u>0.02</u>	<0.55	<0.9	<0.36	<0.36	<0.36	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	<u>0.02</u>	<0.65	1.14 "J"	<0.4	<0.4	<0.4	0.52 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	-----	-----	<0.75	<0.95	<0.46	<0.46	<0.46	<0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	-----	-----	<0.75	<1.1	<0.54	<0.54	<0.54	<0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	<u>0.02</u>	<0.65	1.28 "J"	<0.36	<0.36	<0.36	0.56 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	-----	-----	<0.8	<0.95	<0.46	<0.46	<0.46	<0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	<u>80</u>	1.09 "J"	2.34 "J"	<0.52	<0.52	<0.52	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	<u>80</u>	19.5	21.6	2.92	2.05	2.01	5.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	-----	-----	<0.75	<0.9	<0.54	<0.54	<0.54	<0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	-----	-----	183	157	49	30.6	40	21.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	-----	-----	258	219	46	11.6	28.8	1.46 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	<u>10</u>	97	88	88	58	65	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	-----	-----	29	34	2.21	0.86 "J"	1.33	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	<u>50</u>	3.14	4.7	<0.5	<0.5	<0.5	2.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
--- No Wisconsin Administrative Code Standard established
PVOCs : Petroleum Volatile Organic Compounds
PAHs : Polycyclic Aromatic Hydrocarbons
All units expressed in micrograms per liter (µg/l)
* : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
"J" : Detection between limit of detection and limit of quantitation
NA = Parameter not analyzed
NS = Parameter not sampled
Bold result indicates ES exceedance
Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-102
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	12/21/11	3/14/12	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																																	
Benzene	5	<u>0.5</u>	4,900	4,900	7,500	9,800	9,600	10,000	13,700	11,000	10,700	15,900	13,200	12,500	12,600	11,400	13,300	16,600	14,500	16,100	14,700	16,500	15,200	12,500	NS	NS	13,100	12,300	13,300	12,700	12,000	8,300	
Ethylbenzene	700	<u>140</u>	1,510	460	<u>580</u>	840	880	790	1,450	1,100	1,040	1,630	1,460	1,380	1,230	1,420	1,350	1,790	1,620	1,620	1,800	1,400	1,290	1,320	NS	NS	1,350	1,530	1,360	1,530	1,220	1,010	
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	118 "J"	410	590	610	580	560	640	560	400	610	530	440	490	440	540	570	490	420	510	470	450	400	NS	NS	460	450	340	360	490	273	
Naphthalene	100	<u>10</u>	350	5.1	187	197	188	155	330	285 "J"	199 "J"	<520	350 "J"	313 "J"	315 "J"	490 "J"	480 "J"	510 "J"	380 "J"	440 "J"	650	420 "J"	510 "J"	400 "J"	NS	NS	410	730	470	510	390 "J"	340 "J"	
Toluene	800	<u>160</u>	4,600	710	590	1,560	1,540	590	1,590	1,140	1,370	1,870	1,160	1,280	920	1,400	1,040	1,700	1,240	1,090	810	850	<u>480</u>	<u>680</u>	NS	NS	600	570	500	480	390	281	
1,2,4-Trimethylbenzene	480*	<u>96*</u>	1,730	1,020	1,000	860	1,000	930	1,350	1,270	1,030	1,460	1,370	1,270	1,270	1,370	1,430	1,750	1,440	1,620	2,780	1,690	1,570	1,470	NS	NS	1,580	2,250	2,570	2,520	1,570	1,320	
1,3,5-Trimethylbenzene			460	291	272	290	320	285	370	360	293	420 "J"	380	350	360	370	350	480	340	400	570	410	390	390	NS	NS	410	530	620	580	370	274	
m&p-Xylene	2,000*	<u>400*</u>	5,300	2,290	2,350	3,200	3,800	3,200	5,100	3,900	3,700	5,300	4,200	4,700	4,600	4,700	3,900	6,300	5,400	5,700	4,800	5,300	4,700	5,100	NS	NS	5,200	5,000	4,800	5,700	5,200	3,300	
o-Xylene			1,850	710	740	1,100	1,130	700	1,100	820	710	1,140	500	850	510	1,100	820	1,520	1,160	1,360	720	950	500	1,190	NS	NS	930	830	670	760	750	260	
PAHs (µg/L)																																	
Acenaphthene	--	--	11.5	0.6 "J"	3.01	3.8	2.15 "J"	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	
Acenaphthylene	--	--	3.4 "J"	<0.19	0.86 "J"	1.33	<1	2.88 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Anthracene	3,000	<u>600</u>	4.8	<0.18	0.68 "J"	0.65 "J"	<1	2.3 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	--	--	2.58 "J"	<0.24	<0.5	<0.5	<1.25	2.88 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	<u>0.02</u>	<1.1	<0.18	<0.36	<0.36	<0.9	1.2 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	<u>0.02</u>	<1.3	<0.2	<0.4	<0.4	<1	2.92 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	--	--	<1.5	<0.19	<0.46	<0.46	<1.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	--	--	<1.5	<0.22	<0.54	<0.54	<1.35	1.73 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	<u>0.02</u>	<1.3	<0.19	<0.36	<0.36	<0.9	2.35 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	<1.6	<0.19	<0.46	<0.46	<1.15	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	<u>80</u>	3.9 "J"	<0.22	0.53 "J"	0.78 "J"	<1.3	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	<u>80</u>	23.8	0.55 "J"	5.0	9.0	3.8	13.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	--	--	<1.5	<0.18	<0.54	<0.54	<1.35	<1.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	--	--	273	2.33	99	115	89	132	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	--	480	0.41 "J"	184	196	119	222	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	<u>10</u>	350	5.1	184	197	188	155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	39	<0.19	7.8	14	4.6	21.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	<u>50</u>	6.3	<0.2	1.09 "J"	2.27	<1.25	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" : Detection between limit of detection and limit of quantitation
 NA = Parameter not analyzed
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-103
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																															
Benzene	5	<u>0.5</u>	330	306	263	60	41	26.2	166	36	64	128	17.1	35	10.9	340	311	50	11.8	131	54	73	39	10	124	77	38	221	197	164	
Ethylbenzene	700	<u>140</u>	<u>243</u>	<8.2	94	<8.2	4.7	2.73	97	2.01 "J"	28.1	48	10.1	7	3.4	<u>230</u>	<u>241</u>	11	3.08	73	17.2	11.5	31.2	5.3	49	4.1	17.7	215	114	19.9	
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	<2.3	<u>20.6</u>	<u>24.5</u>	<u>33</u>	<u>17.6</u>	<u>15</u>	<u>13</u>	<u>20</u>	<u>12.6</u>	<0.49	<u>19.8</u>	11.8	<u>18.9</u>	8.0	<0.82	<u>20.9</u>	<u>18.1</u>	11	<u>17.6</u>	<u>13.1</u>	10.4	<0.28	7.7	8.3	9.0	<0.71	4.8	2.91	
Naphthalene	100	<u>10</u>	<u>14</u>	0.11 "J"	188	0.149	<1.2	<2.6	4.0 "J"	<2.6	<2.6	4.2 "J"	<2.6	<2.6	5.1 "J"	<u>16.1</u>	<u>19.1</u>	4.1 "J"	<1.7	3.9 "J"	<1.7	3.9 "J"	3.9 "J"	<2.1	4.9	1.8 "J"	3.07 "J"	<u>41</u>	<u>27</u>	<u>28</u>	
Toluene	800	<u>160</u>	21.9 "J"	<8	8.3	<8	1.05 "J"	1.48	7.90	1.31	3.7	7.3	1.49	2.53	1.19 "J"	21.8	20	3.5	0.89 "J"	7.7	2.57	4.6	2.53	0.64	4.8	4.1	2.83	16.9	13.9	13.3	
1,2,4-Trimethylbenzene	480*	<u>96*</u>	<22	<8.3	1.29 "J"	<8.3	<0.83	<0.68	12.8	<0.68	2.37	4.6	0.70 "J"	<0.68	<0.68	13.4	11.7	<1.14	<0.56	2.57	<0.73	<0.73	1.31 "J"	<0.8	1.94	0.48 "J"	0.57 "J"	14.3	6.9	3.5	
1,3,5-Trimethylbenzene			17.9 "J"	<8.6	0.98 "J"	<8.6	<0.86	<0.83	<0.83	<0.83	1.5 "J"	1.97 "J"	<0.83	<0.83	<0.83	<0.83	5.4	6.9	<0.91	<0.58	1.53 "J"	<0.75	0.84 "J"	1.45 "J"	<0.63	1.24 "J"	<0.67	0.77 "J"	10.6	5	5.2
m&p-Xylene	2,000*	<u>400*</u>	77	<16	15	<16	<1.6	<1.4	13.1	<1.4	9.1	17.1	2.3 "J"	3.14 "J"	1.99 "J"	52	54	6.8	1.56 "J"	17.8	1.86 "J"	5.7	7.6	3.09	10.2	3.5	4.7	78	59	39	
o-Xylene			<6.3	<8.1	2.03 "J"	<8.1	<0.81	<0.66	0.69 "J"	<0.66	1.02 "J"	1.29 "J"	<0.66	<0.66	<0.66	2.06	1.46	<0.39	<0.61	0.96 "J"	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	1.63 "J"	0.59 "J"	0.48 "J"	
PAHs (µg/L)																															
Acenaphthene	--	--	0.88	0.084 "J"	2.15 "J"	0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	--	--	0.213	<0.04	<1	0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	3,000	<u>600</u>	0.1 "J"	<0.04	<1	0.049 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	--	--	0.264	0.077 "J"	<1.25	0.07 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	<u>0.02</u>	0.41	<u>0.081 "J"</u>	<0.9	<u>0.059 "J"</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	<u>0.02</u>	0.72	<u>0.149</u>	<1	<u>0.134</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	--	--	0.53	0.108 "J"	<1.15	0.107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	--	--	0.285	<0.054	<1.35	0.064 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	<u>0.02</u>	0.45	<u>0.093 "J"</u>	<0.9	<u>0.093</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	0.098 "J"	<0.046	<1.15	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	<u>80</u>	0.6	0.142 "J"	<1.3	0.154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	<u>80</u>	0.75	<0.04	3.8	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	--	--	0.41	0.086 "J"	<1.35	0.078 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	--	--	15.8	0.058 "J"	89	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	--	5.8	0.046 "J"	119	0.034 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	<u>10</u>	<u>14</u>	0.11 "J"	188	0.149	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	1.64	0.087 "J"	4.6	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	<u>50</u>	<u>0.56</u>	0.141 "J"	<1.25	0.129	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" : Detection between limit of detection and limit of quantitation
 NA = Parameter not analyzed
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-104
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																															
Benzene	5	<u>0.5</u>	<0.24	<0.27	<0.27	<0.27	<0.27	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.27	<0.17	<0.17	<0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.32	<0.32	<0.32	<0.33	<0.33	<0.33	
Ethylbenzene	700	<u>140</u>	<0.55	<0.82	<0.82	<0.82	<0.82	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.53	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.32	<0.32	<0.32	
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	0.26 "J"	<0.37	<0.37	<0.37	<0.37	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.43	<0.82	<0.82	<0.43	<0.57	<0.57	<0.57	<0.28	<0.28	<0.24	<0.24	<0.24	<0.47	<0.47	<0.47	
Naphthalene	100	<u>10</u>	0.033 "J"	<0.023	<0.023	<0.023	<0.023	<1.2	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.7	<2.17	<2.17	<1.7	<1.7	<1.7	<1.7	<2.1	<2.1	<1.3	<1.3	<1.3	<1.1	<1.1	<1.1	
Toluene	800	<u>160</u>	<0.69	<0.8	<0.8	<0.8	<0.8	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.33	<0.67	<0.67	<0.33	<0.45	<0.45	<0.45	<0.19	<0.19	<0.29	<0.29	<0.29	<0.26	<0.26	<0.26	
1,2,4-Trimethylbenzene	480*	<u>96*</u>	<2.2	<0.83	<0.83	<0.83	<0.83	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.56	<1.14	<1.14	<0.56	<0.73	<0.73	<0.73	<0.8	<0.8	<0.46	<0.46	<0.46	<0.3	<0.3	<0.3	
1,3,5-Trimethylbenzene			<1.4	<0.86	<0.86	<0.86	<0.86	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.58	<0.91	<0.91	<0.58	<0.75	<0.75	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.32	<0.32	<0.32
m&p-Xylene	2,000*	<u>400*</u>	<0.69	<1.6	<1.6	<1.6	<1.6	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<1	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.1	<1.1	<1.1	
o-Xylene			<0.63	<0.81	<0.81	<0.81	<0.81	<0.81	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.58	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.38	<0.38	<0.38
PAHs (µg/L)																															
Acenaphthene	--	--	<0.021	<0.021	0.022 "J"	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acenaphthylene	--	--	<0.02	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anthracene	3,000	<u>600</u>	<0.02	<0.02	<0.02	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (a) anthracene	--	--	<0.025	<0.025	<0.025	0.024 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (a) pyrene	0.2	<u>0.02</u>	<0.018	<0.018	<0.018	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (b) fluoranthene	0.2	<u>0.02</u>	<0.02	<0.02	<0.02	<0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (g,h,i) perylene	--	--	<0.023	<0.023	<0.023	<0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzo (k) fluoranthene	--	--	<0.027	<0.027	<0.027	<0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chrysene	0.2	<u>0.02</u>	<0.018	<0.018	<0.018	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dibenzo(a,h)anthracene	--	--	<0.023	<0.023	<0.023	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluoranthene	400	<u>80</u>	<0.026	<0.026	<0.026	0.023 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Fluorene	400	<u>80</u>	<0.02	<0.02	<0.02	<0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Indeno (1,2,3-cd)pyrene	--	--	<0.027	<0.027	<0.027	<0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1-Methylnaphthalene	--	--	0.020 "J"	<0.019	0.049 "J"	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	--	--	0.017 "J"	<0.016	<0.016	<0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	100	<u>10</u>	0.033 "J"	<0.023	<0.023	<0.023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Phenanthrene	--	--	<0.018	<0.018	<0.018	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pyrene	250	<u>50</u>	<0.025	<0.025	<0.025	<0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" : Detection between limit of detection and limit of quantitation
 NA = Parameter not analyzed
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-105
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																															
Benzene	5	<u>0.5</u>	690	930	1,200	NS	940	NS	660	1,070	261	420	580	2,600	440	400	650	510	710	NS	740	840	1,140	NS	850	490	1,110	690	1,020	530	
Ethylbenzene	700	140	69	101	109	NS	147	NS	92	165	61	65	39	134	37	82	34	16.4	45	NS	85	55	64	NS	58	12.2	96	100	44	17.4	
Methyl-tert-butyl-ether (MTBE)	60	12	<2.3	<3.7	<3.7	NS	<3.7	NS	<4.9	<9.8	<4.9	<0.49	<0.49	<4.9	<2.15	<16.4	<8.2	<2.15	NS	<5.7	<5.7	<5.7	NS	<2.4	<2.4	<2.4	<4.7	<9.47	<4.7		
Naphthalene	100	10	4.4	8.8	10.7	NS	<12	NS	<26	29.5	12.6	18.8	12.4	72	18.9	18.8	13.6 "J"	8.7 "J"	19	NS	23.2 "J"	<17	<17	NS	13.4 "J"	<13	<13	19.7 "J"	<22	<11	
Toluene	800	160	38	<8	19.9 "J"	NS	18.2 "J"	NS	<3.9	29.5	12.6	18.8	12.4	72	18.9	18.8	13.6 "J"	8.7 "J"	19	NS	25.3	23.4	30	NS	21.6	11.8	28	19	19.6	14.6	
1,2,4-Trimethylbenzene	480*	96*	85	13.8 "J"	41	NS	15.5 "J"	NS	7.9 "J"	26.7 "J"	17 "J"	60	15.9	56	18.5 "J"	30.8	<22.8	<11.4	21.9	NS	17.5 "J"	16.1 "J"	23.3 "J"	NS	23.2	7.9 "J"	22.1	15	13.8 "J"	3.9 "J"	
1,3,5-Trimethylbenzene			33 "J"	18.7 "J"	<8.6	NS	<8.6	NS	<8.3	<16.6	<8.3	1.46 "J"	<0.83	21.3 "J"	<8.3	2.95 "J"	<18.2	<9.1	<2.9	NS	<7.5	<7.5	<7.5	NS	<6.7	<6.7	<6.7	<3.2	<6.4	<3.2	
m&p-Xylene	2,000*	400*	230	32 "J"	82	NS	56	NS	20.1 "J"	83 "J"	36 "J"	76	23.8	149	30.6 "J"	59	<31.2	16.8 "J"	65	NS	79	61	91	NS	58	28.8	97	70	59 "J"	31.4 "J"	
o-Xylene			24.2	<8.1	8.5 "J"	NS	<8.1	NS	<6.6	<13.2	<6.6	5.9	2.81	15.8 "J"	8.2 "J"	5.9 "J"	<7.8	<3.9		NS	<5.8	<5.8	6.1 "J"	NS	<7	<7	<7	<3.8	<7.6	<3.8	
PAHs (µg/L)																															
Acenaphthene	--	--	2.94	1.26	1.28	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	--	--	0.66	0.204 "J"	0.293 "J"	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.2	<0.2	<0.2	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	--	--	<0.25	<0.25	<0.25	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.18	<0.18	<0.18	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.2	<0.2	<0.2	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	--	--	<0.23	<0.23	<0.23	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	--	--	<0.27	<0.27	<0.27	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.18	<0.18	<0.18	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	<0.23	<0.23	<0.23	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.26	<0.26	<0.26	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	80	3.5	1.4	1.65	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	--	--	<0.27	<0.27	<0.135	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	--	--	50	12.3	20	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	--	11.9	0.59	0.59	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	10	4.4	8.8	10.7	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	1.71	0.88	1.23	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	50	<0.25	<0.25	<0.125	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" : Detection between limit of detection and limit of quantitation
 NA = Parameter not analyzed
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-106
Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	ES	PAL	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20
PVOCs (µg/L)																										
Benzene	5	<u>0.5</u>	<2.7	<4.6	<2.3	<4.6	<0.46	<0.46	<0.46	<0.46	<0.46	<0.27	<0.17	<0.17	<0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.32	<0.32	<0.32	<0.48	<0.33	<0.33
Ethylbenzene	700	<u>140</u>	<8.2	<7.3	<3.65	<7.3	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.53	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.55	<0.32	<0.32
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	<3.7	<4.9	<2.45	<4.9	<0.49	<0.49	<0.49	<0.49	<0.49	<0.43	<0.82	<0.82	<0.43	<0.57	<0.57	<0.57	<0.28	<0.28	<0.24	<0.24	<0.24	<0.71	<0.47	<0.47
Naphthalene	100	<u>10</u>	<12	<26	<13	<26	<2.6	<2.6	<2.6	<2.6	<2.6	1.75 "J"	<2.17	<2.17	<1.7	<1.7	<1.7	<1.7	<2.1	<2.1	<1.3	<1.3	<1.3	<1.44	<1.1	<1.1
Toluene	800	<u>160</u>	<8	<3.9	<1.95	<3.9	<0.39	<0.39	<0.39	<0.39	<0.39	<0.33	<0.67	<0.67	<0.33	<0.45	<0.45	<0.45	<0.19	0.21 "J"	<0.29	<0.29	<0.29	<0.62	<0.26	<0.26
1,2,4-Trimethylbenzene	480*	<u>96*</u>	<8.3	<6.8	<3.4	<6.8	<0.68	<0.68	<0.68	<0.68	<0.68	<0.56	<1.14	<1.14	<0.56	<0.73	<0.73	<0.73	<0.8	<0.8	<0.46	<0.46	<0.46	<0.71	<0.3	<0.3
1,3,5-Trimethylbenzene			<8.6	<8.3	<4.15	<8.3	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.58	<0.91	<0.91	<0.58	<0.75	<0.75	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.66	<0.32
m&p-Xylene	2,000*	<u>400*</u>	<16	<14	<7	<14	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<1	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.35	<1.1	<1.1
o-Xylene			<8.1	<6.6	<3.3	<6.6	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.58	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.69	<0.38

Notes:
ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
--- No Wisconsin Administrative Code Standard established
PVOCs : Petroleum Volatile Organic Compounds
PAHs : Polycyclic Aromatic Hydrocarbons
All units expressed in micrograms per liter (µg/l)
* : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
"J" = Detection between limit of detection and limit of quantitation
Bold result indicates ES exceedance
Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-107
Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	ES	PAL	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20
PVOCs (µg/L)																										
Benzene	5	<u>0.5</u>	41	107	122	82	22.2	18.5	33	16.1	9.9	<0.27	8.7	<u>2.4</u>	<u>1.43</u>	<u>2.71</u>	<i>0.56 "J"</i>	<0.22	<u>0.75</u>	<u>2.29</u>	<i>0.51 "J"</i>	0.39 "J"	<i>0.56 "J"</i>	<i>1.14 "J"</i>	<0.33	<0.33
Ethylbenzene	700	<u>140</u>	<8.2	<7.3	<7.3	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.53	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.55	<0.32	<0.32
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	<3.7	8.1 "J"	<4.9	6.6	4.2	4.3	8.8	9.9	<u>17.4</u>	<0.43	11.6	<u>15.2</u>	<u>18.3</u>	11.3	10.2	<0.57	9.9	3.3	11.8	<u>15.3</u>	1.76	<i>1.77 "J"</i>	<u>12.5</u>	7.2
Naphthalene	100	<u>10</u>	<i>35 "J"</i>	<26	<26	9.9	4.7 "J"	<2.6	<2.6	3.11 "J"	3.7 "J"	<1.7	<2.17	<2.17	2.78 "J"	2.57 "J"	2.12 "J"	<1.7	<2.1	<2.1	<1.3	<1.3	<1.3	1.47 "J"	<1.1	<1.1
Toluene	800	<u>160</u>	<8	<3.9	<3.9	0.94 "J"	0.66 "J"	0.51 "J"	0.65 "J"	0.80 "J"	0.61 "J"	<0.33	<0.67	<0.67	0.51 "J"	0.64 "J"	0.57 "J"	<0.45	<0.19	<0.19	0.31 "J"	0.45 "J"	0.39 "J"	<0.62	<0.26	<0.26
1,2,4-Trimethylbenzene	480*	<u>96*</u>	<8.3	<6.8	<6.8	1.2 "J"	1.18 "J"	<0.68	1.2 "J"	<0.68	0.73 "J"	<0.56	<1.14	<1.14	<0.56	1.15 "J"	1.13 "J"	<0.73	<0.8	<0.8	<0.46	<0.46	0.53 "J"	<0.71	<0.3	<0.3
1,3,5-Trimethylbenzene			<8.6	<8.3	<8.3	1.01 "J"	1.23 "J"	<0.83	<0.83	1.05 "J"	<0.83	<0.58	<0.91	<0.91	0.68 "J"	0.85 "J"	0.92 "J"	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.66	<0.32	<0.32
m&p-Xylene	2,000*	<u>400*</u>	<16	<14	<14	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<1	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.35	<1.1	<1.1
o-Xylene			<8.1	<6.6	<6.6	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.58	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.69	<0.38

Notes:
ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
--- No Wisconsin Administrative Code Standard established
PVOCs : Petroleum Volatile Organic Compounds
PAHs : Polycyclic Aromatic Hydrocarbons
All units expressed in micrograms per liter (µg/l)
* : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
"J" = Detection between limit of detection and limit of quantitation
Bold result indicates ES exceedance
Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-108
Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	ES	PAL	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/2019	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																											
Benzene	5	<u><i>0.5</i></u>	NO SAMPLE COLLECTED	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.27	<0.17	<0.17	<0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.32	<0.32	<0.32	<0.33	<0.33	<0.33	
Ethylbenzene	700	<u><i>140</i></u>		<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.26	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.32	<0.32	<0.32
Methyl-tert-butyl-ether (MTBE)	60	<u><i>12</i></u>		<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.43	<0.82	<0.82	<0.43	<0.28	<0.57	<0.57	<0.28	<0.28	<0.24	<0.24	<0.24	<0.47	<0.47	<0.47
Naphthalene	100	<u><i>10</i></u>		<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.7	<2.17	<2.17	<1.7	<2.1	<1.7	<1.7	<2.1	<2.1	<1.3	<1.3	<1.3	<1.1	<1.1	<1.1
Toluene	800	<u><i>160</i></u>		<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.33	<0.67	<0.67	<0.33	<0.19	<0.45	<0.45	<0.19	<0.19	<0.29	<0.29	<0.29	<0.26	<0.26	<0.26
1,2,4-Trimethylbenzene	480*	<u><i>96*</i></u>		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.56	<1.14	<1.14	<0.56	<0.8	<0.73	<0.73	<0.8	<0.8	<0.46	<0.46	<0.46	<0.3	<0.3	<0.3
1,3,5-Trimethylbenzene				<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.58	<0.91	<0.91	<0.58	<0.63	<0.75	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.32	<0.32
m&p-Xylene	2,000*	<u><i>400*</i></u>		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<0.43	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.1	<1.1	<1.1
o-Xylene				<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.29	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.38	<0.38

Notes:
ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
--- No Wisconsin Administrative Code Standard established
PVOCs : Petroleum Volatile Organic Compounds
PAHs : Polycyclic Aromatic Hydrocarbons
All units expressed in micrograms per liter (µg/l)
* : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
"J" = Detection between limit of detection and limit of quantitation
Bold result indicates ES exceedance
Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well MW-109
Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	ES	PAL	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20
PVOCs (µg/L)																										
Benzene	5	<u>0.5</u>	<1.35	<2.3	<2.3	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.27	<0.17	<0.17	<0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.32	<0.32	<0.32	<0.33	<0.33	<0.33
Ethylbenzene	700	<u>140</u>	<4.1	<3.65	<3.65	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.26	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.32	<0.32	<0.32
Methyl-tert-butyl-ether (MTBE)	60	<u>12</u>	<1.85	<2.45	2.09	2.36	1.59 "J"	1.21 "J"	1.3 "J"	1.81	1.29 "J"	<0.43	<0.82	<0.82	0.92 "J"	0.38 "J"	0.67 "J"	0.82 "J"	0.58 "J"	<0.28	0.80	1.13	0.53 "J"	<0.47	0.57 "J"	0.67 "J"
Naphthalene	100	<u>10</u>	<6	<13	<13	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.7	<2.17	<2.17	<1.7	<2.1	<1.7	<1.7	<2.1	<2.1	<1.3	<1.3	<1.3	<1.1	<1.1	<1.1
Toluene	800	<u>160</u>	<4	<1.95	<1.95	<0.39	<0.39	<0.39	<0.39	<0.39	0.44 "J"	<0.33	<0.67	<0.67	<0.33	<0.19	<0.45	<0.45	<0.19	<0.19	<0.29	0.304 "J"	<0.29	<0.26	<0.26	<0.26
1,2,4-Trimethylbenzene	480*	<u>96*</u>	<4.15	<3.4	<3.4	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.56	<1.14	<1.14	<0.56	<0.8	<0.73	<0.73	<0.8	<0.8	<0.46	<0.46	<0.46	<0.3	<0.3	<0.3
1,3,5-Trimethylbenzene			<4.3	<4.15	<4.15	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.58	<0.91	<0.91	<0.58	<0.63	<0.75	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.32	<0.32
m&p-Xylene	2,000*	<u>400*</u>	<8	<7.0	<7.0	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<0.43	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.1	<1.1	<1.1
o-Xylene			<4.05	<3.3	<3.3	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.29	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.38	<0.38

Notes:
ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
--- No Wisconsin Administrative Code Standard established
PVOCs : Petroleum Volatile Organic Compounds
PAHs : Polycyclic Aromatic Hydrocarbons
All units expressed in micrograms per liter (µg/l)
* : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
"J" = Detection between limit of detection and limit of quantitation
Bold result indicates ES exceedance
Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well EP-02
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	12/21/11	3/14/12	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20		
PVOCs (µg/L)																																		
Benzene	5	0.5	19,400	15,000	17,100	17,300	350	20,200	15,900	16,000	16,700	23,100	19,700	19,300	18,500	22,400	19,400	22,200	21,100	24,000	20,400	19,900	23,800	17,000	20,600	17,600	23,200	21,900	NS	26,100	18,600	13,600		
Ethylbenzene	700	140	18,100	1,320	1,540	1,340	33	1,640	1,440	1,240	1,310	2,640	2,050	1,660	1,400	2,380	1,670	1,890	1,420	2,170	1,910	1,360	2,000	1,790	1,630	1,280	2,290	2,490	NS	3,800	1,820	1,910		
Methyl-tert-butyl-ether (MTBE)	60	12	450	530	490	580	12	560	380	430	460	460	470	450	510	480	520	530	440 "J"	278 "J"	450	430	410	311	400	316	430	330	NS	330	320	218		
Naphthalene	100	10	440 "J"	340 "J"	330	268	307	199	480	390 "J"	302 "J"	750 "J"	520	650 "J"	710 "J"	590 "J"	750 "J"	640	434	480 "J"	660	390 "J"	530 "J"	640	510 "J"	500 "J"	540 "J"	680	NS	800	580	480		
Toluene	800	160	5,100	3,500	2,170	1,270	36	700	480	620	650	1,030	490	1,710	930	750	520	1,200	720	590	540	1,400	1,190	530	380	300	620	560	NS	700	400	410		
1,2,4-Trimethylbenzene	480*	96*	1,450	1,100	1,210	1,010	23	1,190	1,170	1,440	1,250	1,790	1,660	1,530	1,430	1,670	1,590	1,900	1,420	1,410	1,640	1,270	1,620	1,340	1,470	1,480	1,820	1,830	NS	2,920	2,050	1,540		
1,3,5-Trimethylbenzene			380	350	301 "J"	340	7	340 "J"	330	430	370	520	480 "J"	430	380	460	400	500	312 "J"	320 "J"	370	246	370	296	247	250 "J"	400 "J"	380	NS	540	290	211		
m&p-Xylene	2000*	400*	6,800	5,000	5,300	4,800	113	6,300	5,100	5,700	5,100	8,000	5,800	5,300	6,600	5,600	6,300	4,700	6,500	5,500	4,200	5,700	4,900	4,800	4,200	6,300	6,200	NS	8,300	4,400	3,900			
o-Xylene			3,050	2,130	1,570	1,230	35	1,150	670	780	304	1,560	302 "J"	640	390	890	460	480	214 "J"	410	340	350	560	240	176	138 "J"	320 "J"	274	NS	304	119 "J"	106 "J"		
PAHs (µg/L)																																		
Acenaphthene	--	--	NA	NA	<1.05	1.3 "J"	<2.1	1.23 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	
Acenaphthylene	--	--	NA	NA	<1	<1	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Anthracene	3000	600	NA	NA	<1	<1	<2	<0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Benzo (a) anthracene	--	--	NA	NA	<1.25	<1.25	<2.5	<1.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Benzo (a) pyrene	0.2	0.02	NA	NA	<0.9	<0.9	<1.8	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Benzo (b) fluoranthene	0.2	0.02	NA	NA	<1	<1	<2	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Benzo (g,h,i) perylene	--	--	NA	NA	<1.15	<1.15	<2.3	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Benzo (k) fluoranthene	--	--	NA	NA	<1.35	<1.35	<2.7	<1.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Chrysene	0.2	0.02	NA	NA	<0.9	<0.9	<1.8	<0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Dibenzo(a,h)anthracene	--	--	NA	NA	<1.15	<1.15	<2.3	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Fluoranthene	400	80	NA	NA	<1.3	<1.3	<2.6	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Fluorene	400	80	NA	NA	1.46 "J"	2.15 "J"	<2	1.69 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Indeno (1,2,3-cd)pyrene	--	--	NA	NA	<1.35	<1.35	<2.7	<1.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
1-Methylnaphthalene	--	--	NA	NA	72	79	92	59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
2-Methylnaphthalene	--	--	NA	NA	134	154	130	99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Naphthalene	100	10	440 "J"	340 "J"	330	268	307	199	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Phenanthrene	--	--	NA	NA	1.92 "J"	4.8	2.87 "J"	2.59 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	
Pyrene	250	50	NA	NA	<1.25	<1.25	<2.5	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" = Detection between limit of detection and limit of quantitation
 NS = Parameter not sampled
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.1 (cont'd)
Groundwater Analytical Results
Monitoring Well EP-05
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	ES	PAL	12/21/11	3/14/12	5/21/13	8/15/13	11/26/13	2/25/14	12/2/14	3/24/15	6/3/15	9/14/15	12/30/15	3/15/16	6/16/16	9/27/16	12/23/16	3/21/17	6/7/17	9/12/17	12/19/17	3/26/18	6/6/18	9/21/18	12/18/18	3/12/19	6/20/19	9/11/19	12/17/19	3/26/20	6/23/20	9/16/20	
PVOCs (µg/L)																																	
Benzene	5	<u><i>0.5</i></u>	<0.5	<1.46	<0.24	<0.27	<0.27	<0.24	<0.27	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.27	<0.17	<0.17	<0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.32	<0.32	<0.32	<0.33	<0.33	<0.33	
Ethylbenzene	700	<u><i>140</i></u>	<0.78	<0.46	<0.55	<0.82	<0.82	<0.55	<0.82	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.56	<0.2	<0.2	<0.56	<0.26	<0.53	<0.53	<0.26	<0.26	<0.29	<0.29	<0.29	<0.32	<0.32	<0.32	
Methyl-tert-butyl-ether (MTBE)	60	<u><i>12</i></u>	<0.8	<0.57	<0.23	<0.37	<0.37	<0.23	<0.37	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.43	<0.82	<0.82	<0.43	<0.28	<0.58	<0.57	<0.28	<0.28	<0.24	<0.24	<0.47	<0.47	<0.47		
Naphthalene	100	<u><i>10</i></u>	<2.1	<2.3	<0.023	<0.023	0.024 *J*	<0.023	<1.2	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<1.7	<2.17	<2.17	<1.7	<2.1	<1.7	<1.7	<2.1	<1.3	<1.3	<1.3	<1.1	<1.1	<1.1		
Toluene	800	<u><i>160</i></u>	<0.53	<0.48	<0.69	<0.8	<0.8	<0.69	<0.8	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.33	<0.67	<0.67	<0.33	<0.19	<0.45	<0.45	<0.19	<0.19	<0.29	<0.29	<0.29	<0.26	<0.26	<0.26	
1,2,4-Trimethylbenzene	480*	<u><i>96*</i></u>	<0.8	<0.78	<2.2	<0.83	<0.83	<2.2	<0.83	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.56	<1.14	<1.14	<0.56	<0.8	<0.73	<0.73	<0.8	<0.8	<0.46	<0.46	<0.46	<0.3	<0.3		
1,3,5-Trimethylbenzene			<0.74	<0.79	<1.4	<0.86	<0.86	<1.4	<0.86	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.58	<0.91	<0.91	<0.58	<0.63	<0.75	<0.75	<0.63	<0.63	<0.67	<0.67	<0.67	<0.32	<0.32	<0.32	
m&p-Xylene	2,000*	<u><i>400*</i></u>	<1.1	<0.71	<0.69	<1.6	<1.6	<0.69	<1.6	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.1	<1.56	<1.56	<1.1	<0.43	<1	<1	<0.43	<0.43	<0.52	<0.52	<0.52	<1.1	<1.1	<1.1	
o-Xylene			<0.8	<0.74	<0.63	<0.81	<0.81	<0.63	<0.81	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.61	<0.39	<0.39	<0.61	<0.29	<0.58	<0.58	<0.29	<0.29	<0.7	<0.7	<0.7	<0.38	<0.38	<0.38	
PAHs (µg/L)																																	
Acenaphthene	--	--	NA	NA	<0.021	<0.021	<0.021	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acenaphthylene	--	--	NA	NA	<0.02	<0.02	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anthracene	3,000	<u><i>600</i></u>	NA	NA	<0.02	<0.02	<0.02	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	--	--	NA	NA	<0.025	<0.025	<0.025	<0.023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	<u><i>0.02</i></u>	NA	NA	<0.018	<0.018	<0.018	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	<u><i>0.02</i></u>	NA	NA	<0.02	<0.02	<0.02	<0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene	--	--	NA	NA	<0.023	<0.023	<0.023	<0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) fluoranthene	--	--	NA	NA	<0.027	<0.027	<0.027	<0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	<u><i>0.02</i></u>	NA	NA	<0.018	<0.018	<0.018	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	NA	NA	<0.023	<0.023	<0.023	<0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	400	<u><i>80</i></u>	NA	NA	<0.026	<0.026	<0.026	<0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	<u><i>80</i></u>	NA	NA	<0.02	<0.02	<0.02	<0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno (1,2,3-cd)pyrene	--	--	NA	NA	<0.027	<0.027	<0.027	<0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	--	--	NA	NA	<0.019	<0.019	<0.019	<0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	--	NA	NA	<0.016	<0.016	<0.016	<0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	<u><i>10</i></u>	<2.1	<2.3	<0.023	<0.023	0.024 *J*	<0.023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	<0.018	<0.018	<0.018	<0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	250	<u><i>50</i></u>	NA	NA	<0.05	<0.05	<0.05	<0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
 ES : Wisconsin Administrative Code NR 140 Enforcement Standards.
 PAL : Wisconsin Administrative Code NR 140 Preventive Action Limits.
 --- No Wisconsin Administrative Code Standard established
 PVOCs : Petroleum Volatile Organic Compounds
 PAHs : Polycyclic Aromatic Hydrocarbons
 All units expressed in micrograms per liter (µg/l)
 * : Regulatory Limit Based on Total Trimethylbenzenes OR Total Xylenes
 "J" = Detection between limit of detection and limit of quantitation
 Bold result indicates ES exceedance
 Italicized and underlined result indicates PAL exceedance

Table A.2.a
Soil Analytical Results Summary - VOCs, DRO, GRO

Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	USEPA RCLs (mg/kg)				Soil Boring Identification, Sample Depth, Saturation and Advancement Date															
	Former WAC RCL <i>(see note 3)</i>	Industrial Direct Contact	Non-Industrial Direct Contact	Soil to Groundwater	MW-100 / B-1	B-2	MW-101 / B-3	B-4	MW-102 / B-5	MW-103 / B-103	MW-104 / B-104	MW-105 / B-105	MW-106		MW-107		MW-108		MW-109	
					8-10' S 12/2011 <i>(see note 8)</i>	9-11' S 12/2011 <i>(see note 8)</i>	9-11' S 12/2011 <i>(see note 8)</i>	9-11' S 12/2011 <i>(see note 8)</i>	9-11' S 12/2011 <i>(see note 8)</i>	9-10' S 5/2013 <i>(see note 8)</i>	10-12' S 5/2013 <i>(see note 8)</i>	10-12' S 5/2013 <i>(see note 8)</i>	8-10' S 11/2014	12-14' S 11/2014	8-10' S 11/2014	13-15' S 11/2014	8-10' S 11/2014	12-14' S 11/2014	8-10' S 11/2014	12-14' S 11/2014
DRO (mg/kg)																				
Diesel Range Organics	100	-----	-----	-----	<10	17.2	277	50	<10	<10	<10	<10	31	<10	580	36	<10	<10	<10	<10
GRO (mg/kg)																				
Gasoline Range Organics	100	-----	-----	-----	80	100	136	1,100	126	<10	<10	<10	47	<10	217	11.4	<10	<10	<10	<10
VOCs (mg/kg)																				
Benzene	-----	7.07	<u>1.60</u>	0.0051	1.14	<u>2.25</u>	<u>1.82</u>	23.4	4.6	0.33	<0.0092	0.0126 "J"	<0.0092	<0.0092	0.136	0.0162 "J"	<0.0092	<0.0092	<0.0092	<0.0092
sec-Butylbenzene	-----	145	<u>145</u>	-----	<0.51	<0.51	0.73 "J"	1.99	<0.51	<0.041	<0.041	<0.041	0.62	<0.041	0.34	0.078 "J"	<0.041	<0.041	<0.041	<0.041
n-Butylbenzene	-----	108	<u>108</u>	-----	0.54 "J"	1.02 "J"	1.39 "J"	7	0.82 "J"	<0.026	<0.026	<0.026	0.40	<0.026	0.49	0.093	<0.026	<0.026	<0.026	<0.026
Ethylbenzene	-----	35	<u>8.02</u>	1.57	2.9	3.8	3.6	36	4.5	0.37	0.0233 "J"	<10	<0.01	<0.01	0.016 "J"	<0.01	<0.01	<0.01	<0.01	<0.01
Isopropylbenzene	-----	268	<u>268</u>	-----	<0.53	<0.53	0.55 "J"	3.2	<0.53	<0.025	<0.025	<0.025	0.172	<0.025	0.099	0.041 "J"	<0.025	<0.025	<0.025	<0.025
p-Isopropyltoluene	-----	162	<u>162</u>	-----	<0.45	<0.45	<0.45	1.24 "J"	<0.45	<0.031	<0.031	<0.031	<0.031	<0.031	0.239	<0.031	<0.031	<0.031	<0.031	<0.031
Methyl-tert-butyl-ether (MTBE)	-----	282	<u>63.8</u>	0.027	<0.12	<0.12	<0.12	<0.12	<0.12	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.077 "J"	<0.03	<0.03	<0.03	<0.03
Naphthalene	-----	24	<u>5.52</u>	0.6582	<1.07	1.39 "J"	2.9 "J"	<u>13.5</u>	3.1 "J"	<0.11	<0.11	<0.11	0.73	<0.11	<0.11	0.66	<0.11	<0.11	<0.11	<0.11
n-Propylbenzene	-----	264	264	-----	1.17 "J"	2.1	1.76	12	1.47 "J"	0.0263 "J"	<0.024	<0.024	0.262	<0.024	0.223	0.046 "J"	<0.024	<0.024	<0.024	<0.024
Toluene	-----	818	818	1.1072	0.55 "J"	0.8 "J"	0.84 "J"	80	8.4	0.037 "J"	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2,4-Trimethylbenzene	-----	219	<u>218</u>	1.3820	6.6	10.3	9.1	70	8	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.087	<0.026	<0.026	<0.026	<0.026
1,3,5-Trimethylbenzene	-----	182	<u>182</u>		1.81	2.53	2.23	19.5	1.94	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.048 "J"	<0.026	<0.026	<0.026
m&p-Xylene	-----	260	<u>260</u>	3.96	6.2	10	7.4	119	14.2	0.25	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068
o-Xylene	-----		<0.050		1.04 "J"	1.29 "J"	42	5.3	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031	<0.031

Notes:

- 1) DRO - Diesel Range Organics; GRO - Gasoline Range Organics; VOC - Volatile organic compounds
- 2) mg/kg - milligrams per kilogram
- 3) Former Wisconsin Administrative Code (WAC) Chapter NR 720.09 (4)(a)1 - Petroleum Contamination Generic residual contaminant level for DRO and GRO was 100 mg/kg.
- 4) USEPA RCLs : Soil Residual Contaminant Level (RCL) determined using generic USEPA Regional Screening Level Tables
- 5) Only Parameters with detections shown
- 6) ----- - Standard not established
- 7) "J" - Detection between limit of detection and limit of quantitation
- 8) Original VOC laboratory data presented in micrograms per kilogram (ug/kg), these results have been converted to mg/kg
- 9) S - Indicates saturated soil sample
- 10) Shaded results indicate result in excess of former WAC RCL
- 11) Bold results indicate soil-to-groundwater pathway RCL exceedance
- 12) Underlined results indicate non-industrial direct contact RCL exceedance
- 13) Italicized results indicate industrial direct contact RCL exceedance

Table A.2.b
Soil Analytical Results - PAHs

Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	USEPA RCLs (mg/kg)			Soil Boring Identification, Sample Depth, Saturation and Installation Date															
	Industrial Direct Contact	Non-Industrial Direct Contact	Soil to Groundwater	MW-100 / B-1	B-2	MW-101 / B-3	B-4	MW-102 / B-5	MW-103 / B-103	MW-104 / B-104	MW-105 / B-105	MW-106		MW-107		MW-108		MW-109	
				8-10' S 12/2011 <i>(see note 6)</i>	9-11' S 12/2011 <i>(see note 6)</i>	9-11' S 12/2011 <i>(see note 6)</i>	9-11' S 12/2011 <i>(see note 6)</i>	9-11' S 12/2011 <i>(see note 6)</i>	9-10' S 5/2013 <i>(see note 6)</i>	10-12' S 5/2013 <i>(see note 6)</i>	10-12' S 5/2013 <i>(see note 6)</i>	8-10' S 11/2014	12-14' S 11/2014	8-10' S 11/2014	13-15' S 11/2014	8-10' S 11/2014	12-14' S 11/2014	8-10' S 11/2014	12-14' S 11/2014
PAH's (mg/kg)																			
Acenaphthene	<i>45,200</i>	<u>3,590</u>	-----	<0.0097	<0.0097	0.123	0.0148 "J"	0.0104 "J"	<0.0218	<0.0218	<0.0218	0.111	<0.021	0.09	<0.021	<0.021	<0.021	<0.021	<0.021
Acenaphthylene	-----	-----	-----	<0.0084	<0.0084	0.045	<0.0084	<0.0084	<0.0192	<0.0192	<0.0192	0.043 "J"	<0.0195	0.0295 "J"	<0.0195	<0.0195	<0.0195	<0.0195	<0.0195
Anthracene	<i>100,000</i>	<u>17,900</u>	196.9492	<0.0102	<0.0102	0.056	<0.0102	<0.0102	<0.0195	<0.0195	<0.0195	0.128	<0.0188	0.037 "J"	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188
Benzo (a) anthracene	<i>20.8</i>	<u>1.14</u>	-----	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0229	<0.0229	<0.0229	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184
Benzo (a) pyrene	<i>2.11</i>	<u>0.115</u>	0.47	<0.0166	<0.0166	<0.0166	<0.0166	<0.0166	<0.0174	<0.0174	<0.0174	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Benzo (b) fluoranthene	<i>21.1</i>	<u>1.15</u>	0.2390	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0196	<0.0196	<0.0196	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Benzo (g,h,i) perylene	-----	-----	-----	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	<0.0227	<0.0227	<0.0227	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Benzo (k) fluoranthene	<i>211</i>	<u>11.5</u>	-----	<0.0161	<0.0161	<0.0161	<0.0161	<0.0161	<0.0216	<0.0216	<0.0216	<0.0206	<0.0206	<0.0206	<0.0206	<0.0206	<0.0206	<0.0206	<0.0206
Chrysene	<i>2.110</i>	<u>115</u>	0.0721	<0.0092	<0.0092	0.011 "J"	<0.0092	<0.0092	<0.0181	<0.0181	<0.0181	<0.0185	<0.0185	<0.0185	<0.0185	<0.0185	<0.0185	<0.0185	<0.0185
Dibenzo(a,h)anthracene	<i>2.11</i>	<u>0.115</u>	-----	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0223	<0.0223	<0.0223	<0.0224	<0.0224	<0.0224	<0.0224	<0.0224	<0.0224	<0.0224	<0.0224
Fluoranthene	<i>30,100</i>	<u>2,390</u>	88.8778	<0.0098	<0.0098	0.0257 "J"	<0.0098	<0.0098	<0.0211	<0.0211	<0.0211	<0.0181	<0.0181	0.0231 "J"	<0.0181	<0.0181	<0.0181	<0.0181	<0.0181
Fluorene	<i>30,100</i>	<u>2,390</u>	14.8299	<0.0107	0.013 "J"	0.248	0.0262 "J"	0.0212 "J"	<0.0222	<0.0222	<0.0222	0.22	<0.02	0.192	0.0204 "J"	<0.02	<0.02	<0.02	<0.02
Indeno (1,2,3-cd)pyrene	<i>21.10</i>	<u>1.15</u>	-----	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0239	<0.0239	<0.0239	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244
1-Methylnaphthalene	<i>72.7</i>	<u>17.6</u>	-----	0.13	0.287	1.69	0.299	0.172	<0.0207	<0.0207	0.051 "J"	1.17	<0.0195	2.33	0.63	<0.0195	<0.0195	<0.0195	<0.0195
2-Methylnaphthalene	<i>3,010</i>	<u>239</u>	-----	0.288	0.57	2.9	0.55	0.33	<0.0206	<0.0206	0.063	1.6	<0.0204	1.46	0.73	<0.0204	<0.0204	<0.0204	<0.0204
Naphthalene	<i>24</i>	<u>5.52</u>	0.6582	0.39	0.47	0.92	0.63	0.2	<0.0221	0.07 "J"	<0.0221	0.27	<0.0211	0.048 "J"	0.282	<0.0211	<0.0211	<0.0211	<0.0211
Phenanthrene	-----	-----	-----	0.0125 "J"	0.06	0.35	0.057	0.05	<0.0224	<0.0224	<0.0224	0.59	<0.0247	0.48	0.085	<0.0247	<0.0247	<0.0247	<0.0247
Pyrene	<i>22,600</i>	<u>1,790</u>	54.5455	<0.0095	<0.0095	0.081	0.011 "J"	<0.0095	<0.0231	<0.0231	<0.0231	0.069	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

- Notes:**
- 1) PAH - Polycyclic Aromatic Hydrocarbons
 - 2) mg/kg - milligrams per kilogram
 - 3) USEPA RCLs - Soil Residual Contaminant Level (RCL) determined using generic USEPA Regional Screening Level Tables
 - 4) ----- Standard not established
 - 5) "J" - Detection between limit of detection and limit of quantitation
 - 6) Original laboratory data presented in micrograms per kilogram (ug/kg), these results have been converted to mg/kg
 - 7) S - Indicates saturated soil sample
 - 8) Bold results indicate soil-to-groundwater pathway RCL exceedance
 - 9) Underlined results indicate non-industrial direct contact RCL exceedance
 - 10) Italicized results indicate industrial direct contact RCL exceedance

Table A.3.a
Residual Soil Analytical Results Summary - VOCs, DRO, GRO

Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Parameter	Former WAC RCL <i>(see note 3)</i>	USEPA RCLs (mg/kg)			Soil Boring Identification, Sample Depth, Saturation and Installation Date									
		Industrial Direct Contact	Non-Industrial Direct Contact	Soil to Groundwater	MW-100 / B-1 8-10' S 12/2011 <i>(see note 8)</i>	B-2 9-11' S 12/2011 <i>(see note 8)</i>	MW-101 / B-3 9-11' S 12/2011 <i>(see note 8)</i>	B-4 9-11' S 12/2011 <i>(see note 8)</i>	MW-102 / B-5 9-11' S 12/2011 <i>(see note 8)</i>	MW-103 / B-103 9-10' S 5/2013 <i>(see note 8)</i>	MW-105 / B-105 10-12' S 5/2013 <i>(see note 8)</i>	MW-106 8-10' S 11/2014	MW-107 8-10' S 11/2014	
DRO (mg/kg)														
Diesel Range Organics	100	-----	-----	-----	<10	17.2	277	50	<10	<10	<10	31	580	36
GRO (mg/kg)														
Gasoline Range Organics	100	-----	-----	-----	80	100	136	1,100	126	<10	<10	47	217	11.4
VOCs (mg/kg)														
Benzene	-----	<i>7.07</i>	<u>1.60</u>	0.0051	1.14	<u>2.25</u>	<u>1.82</u>	23.4	<u>4.6</u>	0.33	0.0126 "J"	<0.0092	0.136	0.0162 "J"
sec-Butylbenzene	-----	<i>145</i>	<u>145</u>	-----	<0.51	<0.51	0.73 "J"	1.99	<0.51	<0.041	<0.041	0.62	0.34	0.078 "J"
n-Butylbenzene	-----	<i>108</i>	<u>108</u>	-----	0.54 "J"	1.02 "J"	1.39 "J"	7	0.82 "J"	<0.026	<0.026	0.40	0.49	0.093
Ethylbenzene	-----	<i>35</i>	<u>8.02</u>	1.57	2.9	3.8	3.6	36	4.5	0.37	<10	<0.01	0.016 "J"	<0.01
Isopropylbenzene	-----	<i>268</i>	<u>268</u>	-----	<0.53	<0.53	0.55 "J"	3.2	<0.53	<0.025	<0.025	0.172	0.099	0.041 "J"
p-Isopropyltoluene	-----	<i>162</i>	<u>162</u>	-----	<0.45	<0.45	<0.45	1.24 "J"	<0.45	<0.031	<0.031	<0.031	0.239	<0.031
Methyl-tert-butyl-ether (MTBE)	-----	<i>282</i>	<u>63.8</u>	0.027	<0.12	<0.12	<0.12	<0.12	<0.12	<0.03	<0.03	<0.03	<0.03	0.077 "J"
Naphthalene	-----	<i>24</i>	<u>5.52</u>	0.6582	<1.07	1.39 "J"	2.9 "J"	<u>13.5</u>	3.1 "J"	<0.11	<0.11	0.73	<0.11	0.66
n-Propylbenzene	-----	<i>264</i>	<u>264</u>	-----	1.17 "J"	2.1	1.76	12	1.47 "J"	0.0263 "J"	<0.024	0.262	0.223	0.046 "J"
Toluene	-----	<i>818</i>	<u>818</u>	1.1072	0.55 "J"	0.8 "J"	0.84 "J"	80	8.4	0.037 "J"	<0.02	<0.02	<0.02	<0.02
1,2,4-Trimethylbenzene	-----	<i>219</i>	<u>218</u>	1.3820	6.6	10.3	9.1	70	8	<0.026	<0.026	<0.026	<0.026	0.087
1,3,5-Trimethylbenzene	-----	<i>182</i>	<u>182</u>		1.81	2.53	2.23	19.5	1.94	<0.026	<0.026	<0.026	<0.026	0.048 "J"
m&p-Xylene	-----	<i>260</i>	<u>260</u>	3.96	6.2	10	7.4	119	14.2	0.25	<0.068	<0.068	<0.068	<0.068
o-Xylene	-----				<0.050	1.04 "J"	1.29 "J"	42	5.3	<0.031	<0.031	<0.031	<0.031	<0.031

Notes:

- 1) DRO - Diesel Range Organics; GRO - Gasoline Range Organics; VOC - Volatile organic compounds
- 2) mg/kg - milligrams per kilogram
- 3) Former Wisconsin Administrative Code (WAC) Chapter NR 720.09 (4)(a)1 - Petroleum Contamination Generic residual contaminant level for DRO and GRO was 100 mg/kg.
- 4) USEPA RCLs : Soil Residual Contaminant Level (RCL) determined using generic USEPA Regional Screening Level Tables
- 5) Only Parameters with detections shown
- 6) ----- - Standard not established
- 7) "J" - Detection between limit of detection and limit of quantitation
- 8) Original VOC laboratory data presented in micrograms per kilogram (ug/kg), these results have been mathematically converted to mg/kg
- 9) S - Indicates saturated soil sample
- 10) Shaded results indicate result in excess of former WAC RCL
- 11) Bold results indicate soil-to-groundwater pathway RCL exceedance
- 12) Underlined results indicate non-industrial direct contact RCL exceedance
- 13) Italicized results indicate industrial direct contact RCL exceedance

**Table A.3.b
Residual Soil Analytical Results - PAHs**

Milwaukee South Terminal - Manifold Area
9135 North 107th Street
Milwaukee, Wisconsin

Parameter	USEPA RCLs (mg/kg)			MW-101 / B-3 9-11' S 12/2011 (see note 6)
	Industrial Direct Contact	Non- Industrial Direct Contact	Soil to Groundwater	
PAHs (mg/kg)				
Acenaphthene	<i>45,200</i>	<u>3,590</u>	-----	0.123
Acenaphthylene	-----	-----	-----	0.045
Anthracene	<i>100,000</i>	<u>17,900</u>	196.9492	0.056
Benzo (a) anthracene	<i>20.8</i>	<u>1.14</u>	-----	<0.0146
Benzo (a) pyrene	<i>2.11</i>	<u>0.115</u>	0.47	<0.0166
Benzo (b) fluoranthene	<i>21.1</i>	<u>1.15</u>	0.2390	<0.0167
Benzo (g,h,i) perylene	-----	-----	-----	<0.0082
Benzo (k) fluoranthene	<i>211</i>	<u>11.5</u>	-----	<0.0161
Chrysene	<i>2.110</i>	<u>115</u>	0.0721	0.011 "J"
Dibenzo(a,h)anthracene	<i>2.11</i>	<u>0.115</u>	-----	<0.0105
Fluoranthene	<i>30,100</i>	<u>2,390</u>	88.8778	0.0257 "J"
Fluorene	<i>30,100</i>	<u>2,390</u>	14.8299	0.248
Indeno (1,2,3-cd)pyrene	<i>21.10</i>	<u>1.15</u>	-----	<0.0095
1-Methylnaphthalene	<i>72.7</i>	<u>17.6</u>	-----	1.69
2-Methylnaphthalene	<i>3,010</i>	<u>239</u>	-----	2.9
Naphthalene	<i>24</i>	<u>5.52</u>	0.6582	0.92
Phenanthrene	-----	-----	-----	0.35
Pyrene	<i>22,600</i>	<u>1,790</u>	54.5455	0.081

Notes:

- 1) PAH - Polycyclic Aromatic Hydrocarbons
- 2) mg/kg - milligrams per kilogram
- 3) USEPA RCLs - Soil Residual Contaminant Level (RCL) determined using generic USEPA Regional Screening Level Tables
- 4) ----- Standard not established
- 5) "J" - Detection between limit of detection and limit of quantitation
- 6) Original laboratory data presented in micrograms per kilogram (ug/kg), these results have been mathematically converted to mg/kg
- 7) S - Indicates saturated soil sample
- 8) Bold results indicate soil-to-groundwater pathway RCL exceedance
- 9) Underlined results indicate non-industrial direct contact RCL exceedance
- 10) Italicized results indicate industrial direct contact RCL exceedance

Table A.6
Water Level Elevation Table
 Milwaukee South Terminal - Manifold Area
 9135 North 107th Street
 Milwaukee, Wisconsin

Date		MW-100	MW-101	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107	MW-108	MW-109	EP-01	EP-02	EP-02 **	EP-03	EP-04	EP-05	EP-07
December 21, 2011	DTW	5.01	0.74	11.61	-----	-----	-----	-----	-----	-----	-----	6.05	3.77	-----	6.46	7.05	6.11	5.39
	GW EL	736.67	737.06	725.79	-----	-----	-----	-----	-----	-----	-----	729.76	732.47	-----	731.10	731.24	733.07	731.79
March 14, 2012	DTW	3.81	1.55	2.42	-----	-----	-----	-----	-----	-----	-----	5.61	2.83	-----	4.30	5.41	4.11	3.25
	GW EL	737.87	736.25	734.98	-----	-----	-----	-----	-----	-----	-----	730.20	733.41	-----	733.26	732.88	735.07	733.93
May 21, 2013	DTW	3.81	1.49	1.51	3.44	4.47	0.68	-----	-----	-----	-----	5.89	3.64	-----	5.45	6.19	4.62	NM
	GW EL	737.87	736.31	735.89	735.50	734.63	735.93	-----	-----	-----	-----	729.92	732.60	-----	732.11	732.10	734.56	-----
August 15, 2013	DTW	4.47	2.04	1.92	4.35	5.30	1.96	-----	-----	-----	-----	6.98	3.82	-----	6.43	7.62	6.19	7.21
	GW EL	737.21	735.76	735.48	734.59	733.80	734.65	-----	-----	-----	-----	728.83	732.42	-----	731.13	730.67	732.99	729.97
November 26, 2013	DTW	4.55	3.39	2.90	4.38	5.07	2.50	-----	-----	-----	-----	7.18	4.02	-----	5.53	7.02	4.73	5.48
	GW EL	737.13	734.41	734.50	734.56	734.03	734.11	-----	-----	-----	-----	728.63	732.22	-----	732.03	731.27	734.45	731.70
February 25, 2014	DTW	5.37	5.08	5.87	8.14	6.71	NM - Ice	-----	-----	-----	-----	9.82	6.67	-----	5.71	7.40	4.38	7.19
	GW EL	736.31	732.72	731.53	730.80	732.39	-----	-----	-----	-----	-----	725.99	729.57	-----	731.85	730.89	734.80	729.99
December 3, 2014	DTW	4.73	3.36	2.82	4.19	4.75	2.02	3.56	4.59	NM - Dry	4.14	6.67	3.96	-----	5.11	6.33	4.46	5.07
	GW EL	736.95	734.44	734.58	734.75	734.35	734.59	736.62	737.56	-----	734.62	729.14	732.28	-----	732.45	731.96	734.72	732.11
March 24, 2015	DTW	4.76	2.79	2.17	4.72	5.63	NM - Ice	3.76	4.85	9.40	4.69	7.92	4.02	-----	5.95	7.83	5.01	6.51
	GW EL	736.92	735.01	735.23	734.22	733.47	-----	736.42	737.30	734.74	734.07	727.89	732.22	-----	731.61	730.46	734.17	730.67
June 3, 2015	DTW	4.10	1.86	1.25	3.53	4.06	3.29	3.74	5.13	8.58	3.62	6.89	3.34	-----	5.57	6.82	4.63	6.07
	GW EL	737.58	735.94	736.15	735.41	735.04	733.32	736.44	737.02	735.56	735.14	728.92	732.90	-----	731.99	731.47	734.55	731.11
September 14, 2015	DTW	4.13	2.52	1.98	3.85	4.21	2.02	3.84	5.47	10.17	3.57	6.46	3.93	-----	5.38	6.91	4.53	5.38
	GW EL	737.55	735.28	735.42	735.09	734.89	734.59	736.34	736.68	733.97	735.19	729.35	732.31	-----	732.18	731.38	734.65	731.80
December 30, 2015	DTW	3.70	1.81	1.44	3.14	3.73	0.60	3.32	3.53	5.03	3.23	5.60	3.32	-----	4.86	5.41	3.85	4.29
	GW EL	737.98	735.99	735.96	735.80	735.37	736.01	736.86	738.62	739.11	735.53	730.21	732.92	-----	732.70	732.88	735.33	732.89
March 15, 2016	DTW	3.61	1.46	1.51	3.10	3.31	1.56	3.24	3.92	5.54	3.17	5.92	2.97	-----	4.53	5.97	3.80	3.83
	GW EL	738.07	736.34	735.89	735.84	735.79	735.05	736.94	738.23	738.60	735.59	729.89	733.27	-----	733.03	732.32	735.38	733.35
June 16, 2016	DTW	3.99	1.73	1.47	3.01	3.56	1.42	3.36	5.17	7.93	3.26	5.97	-----	7.35	4.61	6.92	4.19	4.21
	GW EL	737.69	736.07	735.93	735.93	735.54	735.19	736.82	736.98	736.21	735.50	729.84	-----	733.22	732.95	731.37	734.99	732.97
September 27, 2016	DTW	3.97	2.46	1.41	3.30	3.82	1.70	3.52	5.50	11.13	3.47	5.99	-----	6.71	5.07	6.69	4.13	5.62
	GW EL	737.71	735.34	735.99	735.64	735.28	734.91	736.66	736.65	733.01	735.29	729.82	-----	733.86	732.49	731.60	735.05	731.56
December 23, 2016	DTW	5.04	3.43	3.73	6.22	6.80	2.68	3.90	5.39	9.09	5.62	7.13	-----	9.17	6.01	7.73	5.74	6.46
	GW EL	736.64	734.37	733.67	732.72	732.30	733.93	736.28	736.76	735.05	733.14	728.68	-----	731.40	731.55	730.56	733.44	730.72
March 21, 2017	DTW	3.94	1.47	1.24	2.75	3.18	1.39	3.13	3.69	4.90	3.04	5.78	-----	6.19	3.93	5.39	3.94	3.44
	GW EL	737.74	736.33	736.16	736.19	735.92	735.22	737.05	738.46	739.24	735.72	730.03	-----	734.38	733.63	732.90	735.24	733.74
June 7, 2017	DTW	4.31	1.51	1.61	3.52	4.69	1.94	4.02	5.13	7.03	3.62	5.72	-----	6.92	5.65	6.93	5.06	6.17
	GW EL	737.37	736.29	735.79	735.42	734.41	734.67	736.16	737.02	737.11	735.14	730.09	-----	733.65	731.91	731.36	734.12	731.01
September 12, 2017	DTW	4.58	3.54	1.74	4.27	5.57	2.11	5.33	6.36	11.51	5.02	6.89	-----	7.64	6.72	7.84	6.61	7.26
	GW EL	737.10	734.26	735.66	734.67	733.53	734.50	734.85	735.79	732.63	733.74	728.92	-----	732.93	730.84	730.45	732.57	729.92
December 19, 2017	DTW	5.43	3.27	2.06	5.43	6.31	2.53	4.58	6.80	11.54	5.46	8.07	-----	8.92	6.60	8.42	6.39	7.27
	GW EL	736.25	734.53	735.34	733.51	732.79	734.08	735.60	735.35	732.60	733.30	727.74	-----	731.65	730.96	729.87	732.79	729.91
March 26, 2018	DTW	5.28	2.40	2.02	4.87	5.53	NM - Ice	4.40	6.40	10.37	5.12	8.22	-----	8.40	6.62	8.51	6.03	7.26
	GW EL	736.40	735.40	735.38	734.07	733.57	-----	735.78	735.75	733.77	733.64	727.59	-----	732.17	730.94	729.78	733.15	729.92
June 6, 2018	DTW	4.58	2.03	1.78	3.97	4.96	1.94	4.24	5.36	7.68	3.84	6.56	-----	7.67	6.30	7.46	5.47	6.83
	GW EL	737.10	735.77	735.62	734.97	734.14	734.67	735.94	736.79	736.46	734.92	729.25	-----	732.90	731.26	730.83	733.71	730.35
September 21, 2018	DTW	4.01	2.40	1.36	3.39	3.55	1.87	3.26	4.21	6.55	3.29	5.93	-----	6.68	4.98	6.71	3.92	4.86
	GW EL	737.67	735.40	736.04	735.55	735.55	734.74	736.92	737.94	737.59	735.47	729.88	-----	733.89	732.58	731.58	735.26	732.32
December 1, 2018	DTW	5.06	2.58	NM - Ice	4.15	5.32	2.22	4.03	5.11	7.69	4.05	6.75	-----	8.41	6.17	7.58	5.44	6.50
	GW EL	736.62	735.22	-----	734.79	733.78	734.39	736.15	737.04	736.45	734.71	729.06	-----	732.16	731.39	730.71	733.74	730.68
March 12, 2019	DTW	4.97	NM - Ice	NM - Ice	7.02	7.31	NM - Ice	3.61	4.28	6.66	5.56	NM - Ice	-----	9.68	5.85	7.41	4.28	6.71
	GW EL	736.71	-----	-----	731.92	731.79	-----	736.57	737.87	737.48	733.20	-----	-----	730.89	731.71	730.88	734.90	730.47
June 20, 2019	DTW	4.33	1.97	1.21	3.59	4.08	1.72	4.09	5.54	8.07	3.63	6.07	-----	6.62	5.72	7.19	5.13	6.59
	GW EL	737.35	735.83	736.19	735.35	735.02	734.89	736.09	736.61	736.07	735.13	729.74	-----	733.95	731.84	731.10	734.05	730.59
September 11, 2019	DTW	4.40	3.25	1.42	4.18	4.51	2.02	5.35	7.16	11.72	4.60	7.10	-----	7.51	6.04	7.79	5.09	7.22
	GW EL	737.28	734.55	735.98	734.76	734.59	734.59	734.83	734.99	732.42	734.16	728.71	-----	733.06	731.52	730.50	734.09	729.96
December 17, 2019	DTW	5.05	2.79	2.94	4.62	5.53	2.64	4.84	4.94	7.23	4.44	6.50	-----	NM - Ice	5.56	7.17	5.24	5.66
	GW EL	736.63	735.01	734.46	734.32	733.57	733.97	735.34	737.21	736.91	734.32	729.31	-----	-----	732.00	731.12	733.94	731.52
March 26, 2020	DTW	4.06	1.60	1.53	3.34	4.29	1.97	3.81	4.27	5.95	3.43	5.58	-----	7.33	4.88	6.18	4.41	4.83
	GW EL	737.62	736.20	735.87	735.60	734.81	734.64	736.37	737.88	738.19	735.33	730.23	-----	733.24	732.68	732.11	734.77	732.35
June 23, 2020	DTW	4.43	2.18	0.75	3.56	3.77	2.14	4.13	6.02	9.17	3.89	6.56	-----	6.86	4.07	7.92	4.61	5.79
	GW EL	737.25	735.62	736.65	735.38	735.33	734.47	736.05	736.13	734.97	734.87	729.25	-----	733.71	733.49	730.37	734.57	731.39
September 16, 2020	DTW	4.18	2.56	1.38	3.48	4.07	1.83	3.32	4.74	7.14	3.33	5.68	-----	5.85	4.43	5.98	4.11	3.88
	GW EL	737.50	735.24	736.02	735.46	735.03	734.78	736.86	737.41	737.0								

APPENDIX A

SOIL BORING LOGS AND BOREHOLE ABANDONMENT FORMS

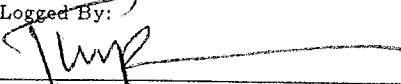
Field Soil Boring Log Information

Project No: D11-002-DOB

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Project Name US Venture NKE South		Start Date 12-2-2011	End Date 12-2-2011	Boring Number B-1
Boring Drilled By On-site		Drilling Method Direct push / HSA MW-100		
Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter Inches
Boring Location State Plane NE 1/4 of SE 1/4 of Section 6 T 8 N, R 21E		Eastings		Northings
County Milwaukee		State WI	DNR County Code 41	Civil Town/City/ or Village Milwaukee

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
				prob holed to 7'					
			7						
				brown silty clay, plastic trace coarse sand gas odors					
	60		12						
				brown silty clay, plastic to 14' change to gray silty clay trace coarse sand					
	30		16						
				EB @ 16' set well at 15'					

Logged By: 	Checked By:
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Field Soil Boring Log Information

Project No: DH-002-DOB

Page 1 of 1

Project Name <u>US Venture NKE South</u>		Start Date <u>12-2-2011</u>	End Date <u>12-2-2011</u>	Boring Number <u>B-2</u>
Boring Drilled By <u>On-site</u>		Drilling Method <u>Direct push / HSM</u>		
Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter Inches
Boring Location State Plane Easting Northing <u>NE</u> 1/4 of <u>SE</u> 1/4 of Section <u>6</u> T <u>8</u> N,R <u>21E</u>		Local Grid Location (If applicable) Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
County <u>milwaukee</u>	State <u>WI</u>	DNR County Code <u>41</u>	Civil Town/City/ or Village <u>Milwaukee</u>	

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
				pot holed to 5'					
			5						
				brown silty clay, plastic trace coarse sand gas odors					
	60		10						
				brown silty clay, plastic gas odors					
	60		15						
				EOB @ 15'					

Logged By: [Signature]

Checked By:

Field Soil Boring Log Information

Project No: DH-002-00B

Page 1 of 1

Project Name <u>VS Venture NKE South</u>		Start Date <u>12-2-2011</u>	End Date <u>12-2-2011</u>	Boring Number <u>B-3</u>
Boring Drilled By <u>On-site</u>		Drilling Method <u>Direct push / HSA</u>		
Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter Inches
Boring Location State Plane Easting Northing <u>NE</u> 1/4 of <u>SE</u> 1/4 of Section <u>6</u> T <u>8</u> N,R <u>21E</u>		Local Grid Location (If applicable) Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
County <u>milwaukee</u>	State <u>WI</u>	DNR County Code <u>41</u>	Civil Town/City/ or Village <u>milwaukee</u>	

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
				pot holed to 5'					
			5	brown/tan silty clay, plastic trace coarse sand					
	40		10	brown/tan silty clay, plastic trace coarse sand					
	36		15	EOB @ 15' set well at 15'					

Logged By: <u>[Signature]</u>	Checked By:
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Field Soil Boring Log Information

Project No: DW-002-00B

Page 1 of 1

Project Name <u>US Venture NRE South</u>		Start Date <u>12-2-2011</u>	End Date <u>12-2-2011</u>	Boring Number <u>B-4</u>
Boring Drilled By <u>On-site</u>		Drilling Method <u>Direct push / HSA</u>		
Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter Inches
Boring Location State Plane Easting Northing <u>NE</u> 1/4 of <u>SE</u> 1/4 of Section <u>6</u> T <u>8</u> N,R <u>21E</u>		Local Grid Location (If applicable) Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
County <u>milwaukee</u>	State <u>WI</u>	DNR County Code <u>4</u>	Civil Town/City/ or Village <u>milwaukee</u>	

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RGD/Comments
				part holed to 5'					
			5						
				brown/tan silty clay, plastic trace coarse sand gas odors					
60			10						
				brown/tan silty clay, plastic trace coarse sand to 13' then					
48			15	dark brown silty clay trace coarse sand					
				EOB @ 15'					

Logged By: [Signature]

Checked By:

Field Soil Boring Log Information

Project No: DW-002-DOB

Page 1 of 1

Project Name <u>US Venture NKE South</u>		Start Date <u>12-2-2011</u>	End Date <u>12-2-2011</u>	Boring Number <u>B-5</u>
Boring Drilled By <u>On-site</u>		Drilling Method <u>Direct push / HSA</u>		
Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter Inches
Boring Location State Plane Easting Northing <u>NE</u> 1/4 of <u>SE</u> 1/4 of Section <u>6</u> T <u>B</u> N,R <u>21E</u>		Local Grid Location (If applicable) Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
County <u>milwaukee</u>	State <u>WI</u>	DNR County Code <u>4</u>	Civil Town/City/ or Village <u>milwaukee</u>	

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
				pot held to 5'					
			5						
				tan/brown silty clay, plastic trace coarse sand gas odors					
	60		10						
				tan/brown silty clay, plastic trace coarse sand to 13' then dark brown silty clay, plastic trace coarse sand					
	60		15						
				EOB @ 15' set well @ 15'					


Logged By: <u>[Signature]</u>	Checked By:
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Facility/Project Name US Oil - 9135 N. 107th Street, Milwaukee, WI		License/Permit/Monitoring Number		Boring Number B-103	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: Firm: On-Site Environmental		Date Drilling Started 05/07/2013 m m d d y y y y	Date Drilling Completed 05/07/2013 m m d d y y y y	Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Well Name MW-1	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ' "	Long _____ ' "		
Facility ID	County Milwaukee	County Code	Civil Town/City/ or Village Greenfield		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Hydro-excavated, standing water removed before soil boring										
			7	brown gray silty clay, trace sand/ gravel, plastic, moist				0						
			9	brown silty clay, plastic, lean				0						
			10					0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm Endpoint Solutions Corp.

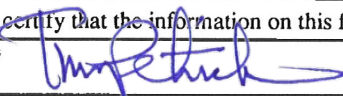
This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Facility/Project Name US Oil - 9135 N. 107th Street, Milwaukee, WI		License/Permit/Monitoring Number	Boring Number B-104
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: Firm: On-Site Environmental		Date Drilling Started 05/07/2013 m m d d y y y y	Date Drilling Completed 05/07/2013 m m d d y y y y
Drilling Method Direct Push	WI Unique Well No.	DNR Well ID No.	Well Name MW-1
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E	Lat _____ ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Long _____ ' "	Feet _____ Feet _____	
Facility ID	County Milwaukee	County Code	Civil Town/City/ or Village Greenfield

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Hydro-excavated, standing water removed before soil boring										
			2											
			3											
			4											
			5											
			6											
			7	brown silty clay, trace sand, plastic, moist				0						
			8					0						
			9					0						
			10					0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm Endpoint Solutions Corp.

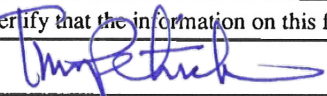
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Facility/Project Name US Oil - 9135 N. 107th Street, Milwaukee, WI		License/Permit/Monitoring Number	Boring Number B-105
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: Firm: On-Site Environmental		Date Drilling Started 05/07/2013 m m d d y y y y	Date Drilling Completed 05/07/2013 m m d d y y y y
Drilling Method Direct Push	WI Unique Well No.	DNR Well ID No.	Well Name MW-1
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ' "	Long _____ ' "
Facility ID	County Milwaukee	County Code	Civil Town/City/ or Village Greenfield

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Hydro-excavated, standing water removed before soil boring											
			2												
			3												
			4												
			5												
			6												
			7	brown silty clay, trace sand, plastic, moist				0							
			8					0							
			9					0							
			10					0							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm Endpoint Solutions Corp.

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- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name U.S. OIL MILW. SOUTH TERMINAL		License/Permit/Monitoring Number		Boring Number EP-02	
Boring Drilled By (Firm name and name of crew chief) ONSITE ENVIRONMENTAL - TONY KAPUGI		Date Drilling Started 04/14/09 MM DD YY		Date Drilling Completed 04/14/09 MM DD YY	
DNR Facility Well No. / WI Unique Well No.		Common Well Name EP-02		Final Static Water Level Feet MSL	
Boring Location State Plane N, E S/C/N Lat 0 0 0		Surface Elevation Feet MSL		Borehole Diameter 2 inches	
NE 1/4 of SE 1/4 of Section 6, T 8 N, R 21 W		Local Grid Location (If applicable) Feet N 0 0 0		Feet S 0 0 0	
County MILWAUKEE		DNR County Code		Civil Town/City/ or Village MILWAUKEE	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	42/60		1	GRAVEL SURFACE										
			2	CLAY, BLEN STIFF, MOIST, PETRO 0002, MUCH SAND & SILT, TRACE GRAVEL, GRAY MOTTLING										
			3											
			4											
			5											
			6											
	60/60		7	CLAY BLEN STIFF, MOIST, PETRO 0002, TRACE SAND MUCH SILT										
			8											
			9											
			10											
	60/60		11	SAME AS ABOVE. SATURATED AT 12.0' NO 0002										
			12	BT INO DRILL TO 16' SET WELL										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Wolter Firm: ENDPOINT SOLUTIONS

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name <u>U.S.O.I - Milwaukee South</u>		License/Permit/Monitoring Number	Boring Number <u>EP-05</u>
Boring Drilled By (Firm name and name of crew chief) <u>Onsite Environmental Tony Kauai</u>		Date Drilling Started <u>4/14/09</u> M M D D Y Y	Date Drilling Completed <u>12/1</u> M M D D Y Y
DNR Facility Well No. / WI Unique Well No.	Common Well Name <u>EP-05</u>	Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Boring Location State Plane _____ N, _____ E S/C/N		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <u>MILWAUKEE</u>		DNR County Code	Civil Town/City/ or Village <u>MILWAUKEE</u>
NE 1/4 of SE 1/4 of Section <u>6</u> , T <u>8</u> N, R <u>21</u> W		Long _____ Feet	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Grass, silt, organics → top 12'											
			2	Clay, Brown, silty, moist, trace sand + gravel, med stiff											
			3												
			4												
			5	- Same											
			6												
			7												
			8	- Same											
			9												
			10	Grades to grey starting 3-13'. End of sampling → 15'											
			11												
			12	Drilled to 18' - set well											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm Endpoint Solutions

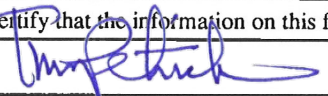
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other _____

Page 1 of

Facility/Project Name			License/Permit/Monitoring Number		Boring Number	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: _____			Date Drilling Started m m / d d / y y y y		Date Drilling Completed m m / d d / y y y y	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat _____ ' _____ '' Long _____ ' _____ ''		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County		County Code	Civil Town/City/ or Village	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			1														
			2														
			3														
			4														
			5														
			6														
			7														
			8														
			9														
			10														

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature  Firm _____

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other _____

Page 1 of

Facility/Project Name			License/Permit/Monitoring Number		Boring Number	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: _____			Date Drilling Started m m / d d / y y y y		Date Drilling Completed m m / d d / y y y y	Drilling Method
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat _____ ' _____ '' Long _____ ' _____ ''		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County	County Code	Civil Town/City/ or Village		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments				
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200					
			1															
			2															
			3															
			4															
			5															
			6															
			7															
			8															
			9															
			10															

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm _____
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

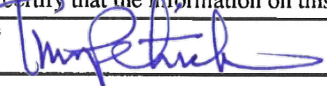
Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other _____

Page 1 of

Facility/Project Name			License/Permit/Monitoring Number		Boring Number	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: _____			Date Drilling Started m m / d d / y y y y		Date Drilling Completed m m / d d / y y y y	Drilling Method
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat _____ ' _____ '' Long _____ ' _____ ''		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County	County Code	Civil Town/City/ or Village		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			1														
			2														
			3														
			4														
			5														
			6														
			7														
			8														
			9														
			10														

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm _____

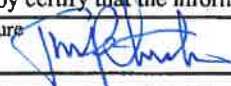
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 2

Facility/Project Name U.S. Oil Milwaukee South - 9135 N. 107th Street			License/Permit/Monitoring Number		Boring Number MW-109
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Tony Last Name: Firm: On-Site Enironmental			Date Drilling Started 11 / 24 / 2014 m m / d d / y y y y	Date Drilling Completed 11 / 24 / 2014 m m / d d / y y y y	Drilling Method direct push
WI Unique Well No.	DNR Well ID No.	Well Name MW-106	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane <u>NE</u> <input type="checkbox"/> <u>SE</u> <input type="checkbox"/> <u>SW</u> <input type="checkbox"/> <u>NW</u> <input type="checkbox"/>			Lat <u>0</u> ' " <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
NE 1/4 of SE 1/4 of Section 6, T 8 N, R 21 E			Long <u>0</u> ' "		
Facility ID		County Milwaukee	County Code 4 1	Civil Town/City/ or Village Milwaukee	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0	Hydro excavated approx 3' of standing water										
1	12/60		8	gray silty clay, trace fine sand, plastic, moist										sample 8 - 10'

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature:  Firm: Endpoint Solutions Corp.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Milwaukee	WI Unique Well # of Removed-Well B-2	Hicap # 2	Facility Name US Oil Milwaukee South
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)	
____ ° ____ ' N		_____	
____ ° ____ ' W		_____	
1/4 NE 1/4 SE	Section 6	Township E N	Range 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #		Original Well Owner US Venture, Inc	
Well Street Address 9135 N 10TH		Present Well Owner	
Well City / Village of Town Milwaukee		Mailing Address of Present Owner 425 Better Way	
Subdivision Name		City of Present Owner Appleton	State WI ZIP Code 54915
Reason For Removal From Service Investigation		WI Unique Well # of Replacement Well	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 12-2-2011	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Pump and piping removed?
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Liner(s) removed?
<input checked="" type="checkbox"/> Borehole / Drillhole		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Screen removed?
Construction Type:		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Casing left in place?
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Was casing cut off below surface?
<input checked="" type="checkbox"/> Other (specify): direct push	<input type="checkbox"/> Dug	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Did sealing material rise to surface?
Formation Type:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Did material settle after 24 hours?
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	If yes, was hole retopped?
Total Well Depth From Ground Surface (ft.) 15	Casing Diameter (in.) _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	If bentonite chips were used, were they hydrated with water from a known safe source?
Lower Drillhole Diameter (in.) 2.5	Casing Depth (ft.) _____	Required Method of Placing Sealing Material	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet)	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)?		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
5. Material Used To Fill Well / Drillhole: bentonite chips		Sealing Materials	
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	15	50 LBS	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing On Site Environmental	License #	Date of Filling & Sealing (mm/dd/yyyy) 12-2-2011	Date Received	Noted By
Street or Route	Telephone Number ()		Comments	
City San Prairie	State WI	ZIP Code	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County: Milwaukee WI Unique Well # of B-4 Hicap # 4
 Removed-Well
 Latitude / Longitude (Degrees and Minutes) Method Code (see instructions)
 _____ ° _____ ' N
 _____ ° _____ ' W
 1/4 NE 1/4 SE Section 6 Township E N Range 21 E W
 or Gov't Lot #
 Well Street Address: 9135 N 10TH
 Well City: Milwaukee Village of Town _____ Well ZIP Code _____
 Subdivision Name _____ Lot # _____

Facility Name: US Oil Milwaukee South
 Facility ID (FID or PWS) _____
 License/Permit/Monitoring # _____
 Original Well Owner: US Venture, Inc
 Present Well Owner _____
 Mailing Address of Present Owner: 425 Better Way
 City of Present Owner: Appleton State: WI ZIP Code: 54915

Reason For Removal From Service: Investigation WI Unique Well # of Replacement Well _____

3. Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy) _____
 Water Well
 Borehole / Drillhole If a Well Construction Report is available, please attach.
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): direct push
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Ground Surface (ft.): 15 Casing Diameter (in.) _____
 Lower Drillhole Diameter (in.): 2.5 Casing Depth (ft.) _____
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>	Surface	<u>15</u>	<u>50 lbs</u>	

6. Comments

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>On Site Environmental</u>	License #	Date of Filling & Sealing (mm/dd/yyyy) <u>12-2-2011</u>	Date Received	Noted By
Street or Route	Telephone Number ()		Comments	
City: <u>Sun Prairie</u>	State: <u>WI</u>	ZIP Code	Signature of Person Doing Work	
			Date Signed	

APPENDIX B

MONITORING WELL CONSTRUCTION AND WELL DEVELOPMENT FORMS

Facility/Project Name <u>U.S. Oil Milwaukee South</u>	Local Grid Location of Well ft. <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Well Name <u>EP-02</u>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <u>NE 1/4 of SE 1/4 of Sec. 6, T. 8 N, R. 21 E, W.</u>	Date Well Installed <u>4/14/09</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft. _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>Onsite Environmental</u> <u>Tony K</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No		

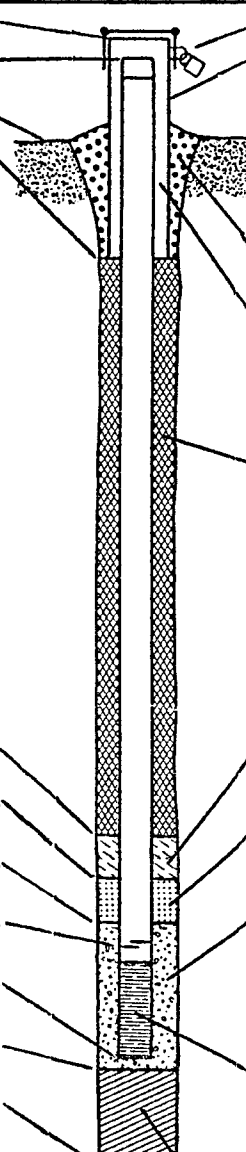
A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>1.2</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>3.0</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. <u>1.5</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Sidley 4000</u> b. Volume added <u>0.25</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size a. <u>Sidley 5</u> b. Volume added <u>3</u> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis): _____	10. Screen material: <u>monoplex</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>1.0</u> ft.	b. Manufacturer <u>monoplex</u> c. Slot size: <u>0.012</u> in. d. Slotted length: <u>1.0</u> ft.
F. Fine sand, top _____ ft. MSL or <u>3.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <u>4.0</u> ft.	
H. Screen joint, top _____ ft. MSL or <u>6.0</u> ft.	
I. Well bottom _____ ft. MSL or <u>16.0</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>16.0</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>16.0</u> ft.	
L. Borehole, diameter <u>8.25</u> in.	
M. O.D. well casing <u>2</u> in.	
N. I.D. well casing _____ in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm Endpoint Solutions

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Facility/Project Name <u>u.s. Oil - Milwaukee South</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <u>EP-05</u>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <u>NE 1/4 of SE 1/4 of Sec. 6, T. 9 N, R. 21 E, W.</u>	Date Well Installed <u>4/14/09</u> m m d d y y
Distance Well Is From Waste/Source Boundary _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <u>Onsite Environmental</u> <u>Tony Koguzi</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>5</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. <u>1.5</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input checked="" type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Sidley 4000</u> b. Volume added <u>.85</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size a. <u>Sidley #5</u> b. Volume added <u>3.2</u> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis): _____	10. Screen material: <u>monoflex pvc</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>1</u> ft.	b. Manufacturer <u>monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
F. Fine sand, top _____ ft. MSL or <u>5</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <u>6</u> ft.	
H. Screen joint, top _____ ft. MSL or <u>8</u> ft.	
I. Well bottom _____ ft. MSL or <u>18</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>18</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>18</u> ft.	
L. Borehole, diameter <u>8.25</u> in.	
M. O.D. well casing <u>2</u> in.	
N. I.D. well casing _____ in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm Endpoint Solutions

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Facility/Project Name OS Venture MKE South		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW 100	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		Lat. " Long. " or " or "		Date Well Installed 12/02/2011 m m d d y y y y	
Type of Well Well Code 11 / MW		St. Plane ft. N. ft. E. S/C/N		Well Installed By: Name (first, last) and Firm Tony On-site Environmental	
Distance from Waste/Source ft.		Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 6, T. 8 N., R. 21 E. W.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>		Gov. Lot Number			

<p>A. Protective pipe, top elevation ----- ft. MSL</p> <p>B. Well casing, top elevation 742.73 ft. MSL</p> <p>C. Land surface elevation 740.08 ft. MSL</p> <p>D. Surface seal, bottom ----- ft. MSL or ----- ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 6 in. b. Length: 5 ft. c. Material: stick up Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. 40-60 b. Volume added 0.5 ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added 3 ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: sil 40 pvc a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer Monoflex c. Slot size: 0.010 in. d. Slotted length: 10 ft.</p> <p>11. Backfill material (below filter pack): coars sand None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
--	---

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis, if required):

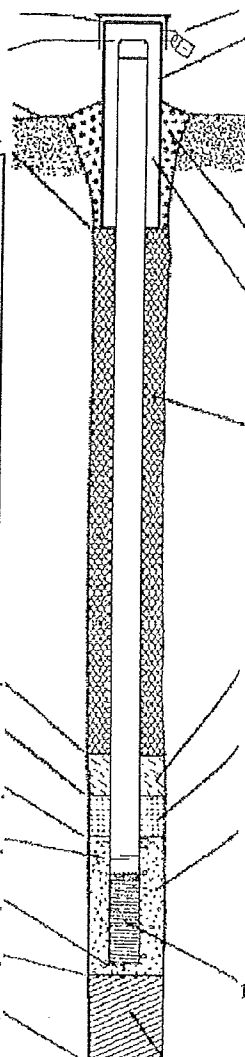
E. Bentonite seal, top	1	ft. MSL or	ft.
F. Fine sand, top	3	ft. MSL or	ft.
G. Filter pack, top	4	ft. MSL or	ft.
H. Screen joint, top	5	ft. MSL or	ft.
I. Well bottom	15	ft. MSL or	ft.
J. Filter pack, bottom	16	ft. MSL or	ft.
K. Borehole, bottom	16	ft. MSL or	ft.
L. Borehole, diameter	8.25	in.	
M. O.D. well casing	2.4	in.	
N. I.D. well casing	2.0	in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Signature]* Firm: Endpoint Solutions Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name OS Venture MKE South		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW - 101	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No.	
Facility ID		Lat. " Long. " or " or "		DNR Well ID No.	
Type of Well Well Code 11 / MW		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 12/02/2011 m m d d y y y y	
Distance from Waste/Source _____ ft.		Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 6, T. 8 N., R. 21 E. W.		Well Installed By: Name (first, last) and Firm Tony On-site Environmental	
Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation 138.53 ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top 1 ft. MSL or _____ ft.</p> <p>F. Fine sand, top 3 ft. MSL or _____ ft.</p> <p>G. Filter pack, top 4 ft. MSL or _____ ft.</p> <p>H. Screen joint, top 5 ft. MSL or _____ ft.</p> <p>I. Well bottom 15 ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom 15 ft. MSL or _____ ft.</p> <p>K. Borehole, bottom 15 ft. MSL or _____ ft.</p> <p>L. Borehole, diameter 8.25 in.</p> <p>M. O.D. well casing 2.4 in.</p> <p>N. I.D. well casing 2.0 in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 8 in. b. Length: 12 ft. c. Material: flush mount Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input checked="" type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. 40-60 b. Volume added 0.5 ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added 3 ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: sch 40 pvc a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>b. Manufacturer Monoflex c. Slot size: 0.110 in. d. Slotted length: 10 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Handwritten Signature]*

Firm **Endpoint Solutions Corp**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name DS Venture MKE South		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW-102	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		Lat. " Long. " or		Date Well Installed 12, 02, 2011 m m d d y y y y	
Type of Well Well Code 11 / MW		St. Plane ft. N. ft. E. S/C/N		Well Installed By: Name (first, last) and Firm Tony On-site Environmental	
Distance from Waste/Source ft.		Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 6, T. 8 N, R. 21 E W		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known			

<p>A. Protective pipe, top elevation ----- ft. MSL</p> <p>B. Well casing, top elevation 737.76 ft. MSL</p> <p>C. Land surface elevation ----- ft. MSL</p> <p>D. Surface seal, bottom ----- ft. MSL or ----- ft.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 8 in. b. Length: 12 ft. c. Material: flush mount Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. 40-60 b. Volume added 0.5 ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added 3 ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: sch 40 pvc a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer Monoflex c. Slot size: 0.110 in. d. Slotted length: 10 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
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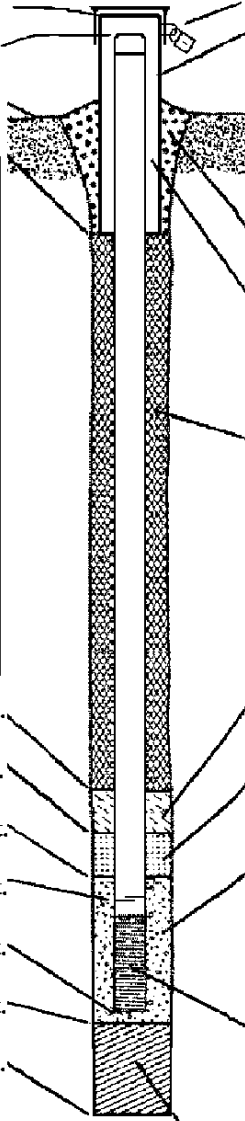
<p>E. Bentonite seal, top 1 ft. MSL or ----- ft.</p> <p>F. Fine sand, top 3 ft. MSL or ----- ft.</p> <p>G. Filter pack, top 4 ft. MSL or ----- ft.</p> <p>H. Screen joint, top 5 ft. MSL or ----- ft.</p> <p>I. Well bottom 15 ft. MSL or ----- ft.</p> <p>J. Filter pack, bottom 15 ft. MSL or ----- ft.</p> <p>K. Borehole, bottom 15 ft. MSL or ----- ft.</p> <p>L. Borehole, diameter 8.25 in.</p> <p>M. O.D. well casing 2.4 in.</p> <p>N. I.D. well casing 2.0 in.</p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Firm: **Endpoint Solutions Corp**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		Lat. " Long. " or		Date Well Installed m m / d d / y y y y	
Type of Well Well Code /		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm	
Distance from Waste/Source ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	

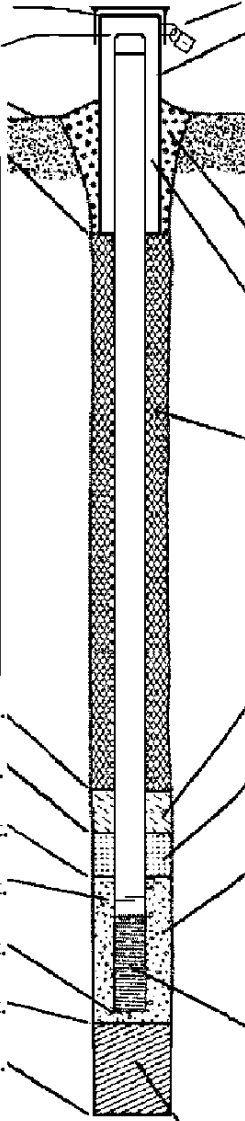
<p>A. Protective pipe, top elevation ----- ft. MSL</p> <p>B. Well casing, top elevation ----- ft. MSL</p> <p>C. Land surface elevation ----- ft. MSL</p> <p>D. Surface seal, bottom ----- ft. MSL or ----- ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top ----- ft. MSL or ----- ft.</p> <p>F. Fine sand, top ----- ft. MSL or ----- ft.</p> <p>G. Filter pack, top ----- ft. MSL or ----- ft.</p> <p>H. Screen joint, top ----- ft. MSL or ----- ft.</p> <p>I. Well bottom ----- ft. MSL or ----- ft.</p> <p>J. Filter pack, bottom ----- ft. MSL or ----- ft.</p> <p>K. Borehole, bottom ----- ft. MSL or ----- ft.</p> <p>L. Borehole, diameter ----- in.</p> <p>M. O.D. well casing ----- in.</p> <p>N. I.D. well casing ----- in.</p>	 <p>1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: ----- in. b. Length: ----- ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: _____ a. Screen type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer _____ c. Slot size: 0. _____ in. d. Slotted length: ----- ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Tom Fitch Firm _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name _____		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name _____	
Facility License, Permit or Monitoring No. _____		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. _____ DNR Well ID No. _____	
Facility ID _____		Lat. _____ " Long. _____ " or _____		Date Well Installed _____ / _____ / _____ m m d d y y y y	
Type of Well _____		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm _____	
Well Code _____ / _____		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>			

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or _____ ft.</p> <p>I. Well bottom _____ ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or _____ ft.</p> <p>L. Borehole, diameter _____ in.</p> <p>M. O.D. well casing _____ in.</p> <p>N. I.D. well casing _____ in.</p>	 <p>1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: _____ a. Screen type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer _____ c. Slot size: 0. _____ in. d. Slotted length: _____ ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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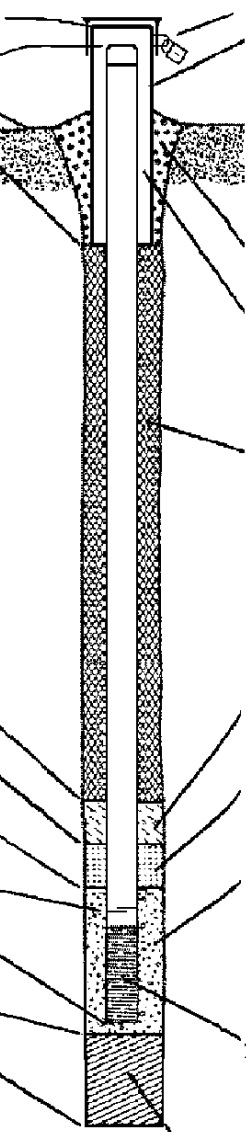
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm _____

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Facility/Project Name _____		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name _____	
Facility License, Permit or Monitoring No. _____		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. _____ DNR Well ID No. _____	
Facility ID _____		Lat. _____ " Long. _____ " or _____		Date Well Installed _____	
Type of Well _____		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm _____	
Well Code _____ / _____		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>			

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation _____ ft. MSL
- C. Land surface elevation _____ ft. MSL
- D. Surface seal, bottom _____ ft. MSL or _____ ft.



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: _____ in.
 - b. Length: _____ ft.
 - c. Material: Steel 04
Other _____
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30
Concrete 01
Other _____
- 4. Material between well casing and protective pipe: Bentonite 30
Other _____
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 33
 - b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight Bentonite slurry 31
 - d. _____ % Bentonite Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 - c. _____ Other _____
- 7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other _____
- 10. Screen material:
 - a. Screen type: Factory cut 11
Continuous slot 01
Other _____
 - b. Manufacturer _____
 - c. Slot size: _____ 0. _____ in.
 - d. Slotted length: _____ ft.
- 11. Backfill material (below filter pack): None 14
Other _____

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other _____

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis, if required):

- E. Bentonite seal, top _____ ft. MSL or _____ ft.
- F. Fine sand, top _____ ft. MSL or _____ ft.
- G. Filter pack, top _____ ft. MSL or _____ ft.
- H. Screen joint, top _____ ft. MSL or _____ ft.
- I. Well bottom _____ ft. MSL or _____ ft.
- J. Filter pack, bottom _____ ft. MSL or _____ ft.
- K. Borehole, bottom _____ ft. MSL or _____ ft.
- L. Borehole, diameter _____ in.
- M. O.D. well casing _____ in.
- N. I.D. well casing _____ in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature _____ Firm _____

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Facility/Project Name	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name	
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No.	DNR Well ID No.
Facility ID	Lat. " Long. " or St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed m / d / y y y y	
Type of Well Well Code _____ / _____	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm	
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number	

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation _____ ft. MSL
- C. Land surface elevation _____ ft. MSL
- D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

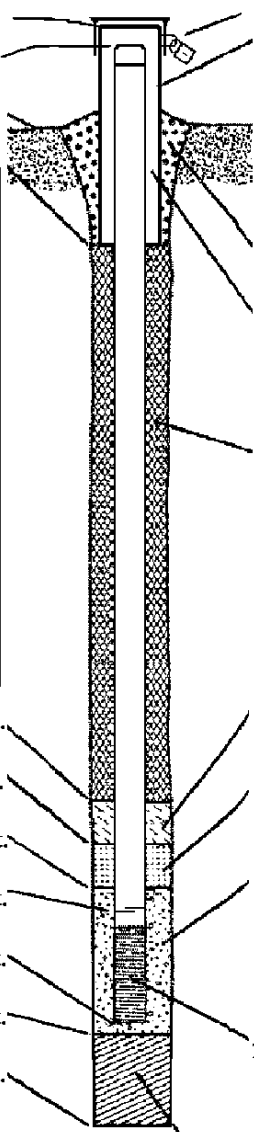
13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 5 0
Hollow Stem Auger 4 1
Other

15. Drilling fluid used: Water 0 2 Air 0 1
Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis, if required):



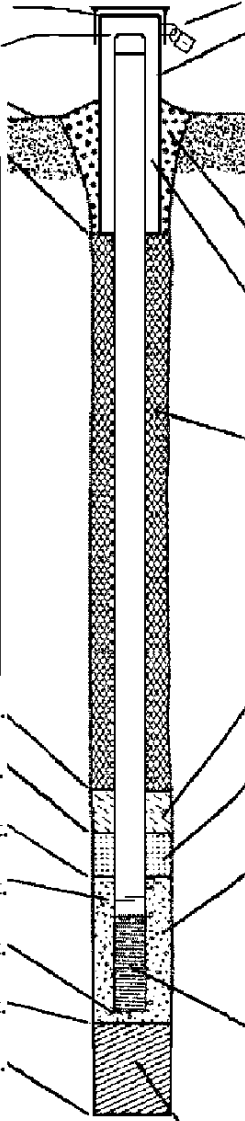
- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: _____ in.
 - b. Length: _____ ft.
 - c. Material: Steel 0 4
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 3 0
Concrete 0 1
Other
- 4. Material between well casing and protective pipe: Bentonite 3 0
Other
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 3 3
 - b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight Bentonite slurry 3 1
 - d. _____ % Bentonite Bentonite-cement grout 5 0
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other
- 10. Screen material:
 - a. Screen type: Factory cut 1 1
Continuous slot 0 1
Other
 - b. Manufacturer _____
 - c. Slot size: 0. _____ in.
 - d. Slotted length: _____ ft.
- 11. Backfill material (below filter pack): None 1 4
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name _____		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name _____	
Facility License, Permit or Monitoring No. _____		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. _____ DNR Well ID No. _____	
Facility ID _____		Lat. _____ " Long. _____ " or _____		Date Well Installed _____ / _____ / _____ m m d d y y y y	
Type of Well _____		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm _____	
Well Code _____ / _____		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>			

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or _____ ft.</p> <p>I. Well bottom _____ ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or _____ ft.</p> <p>L. Borehole, diameter _____ in.</p> <p>M. O.D. well casing _____ in.</p> <p>N. I.D. well casing _____ in.</p>	 <p>1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: _____ a. Screen type: Factory cut <input type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: 0. _____ in. d. Slotted length: _____ ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm _____

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>U.S. OIL - MILW SOUTH</u>	County Name <u>MILWAUKEE</u>	Well Name <u>EP-02</u>	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 16.0 ft.

5. Inside diameter of well 2. in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well 13.0 gal.

8. Volume of water added (if any) 0. gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

PURGED DRY X3

11. Depth to Water Before Development After Development
(from top of well casing) a. 2.90 ft. 0.96 ft.

Date b. 04/17/2009 04/20/2009
m m d d y y y y m m d d y y y y

Time c. 10:30 a.m. 13:15 p.m.

12. Sediment in well _____ inches bottom _____ inches

13. Water clarity Clear 10 Turbid 20
(Describe) (Describe)
Turbid 15 Turbid 25

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: WADE Last Name: WOLLERMANN

Firm: ENDPOINT SOLUTIONS

Name and Address of Facility Contact/Owner/Responsible Party

First Name: DON Last Name: JOHNSON

Facility/Firm: U.S. OIL CO., INC.

Street: 558 CARTER COURT

City/State/Zip: KIMBERLY, WI 54136

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: WADE WOLLERMANN

Firm: ENDPOINT SOLUTIONS

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>U.S. OIL - MILW SOUTH</u>	County Name <u>MILWAUKEE</u>	Well Name <u>EP-05</u>	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 45 min.
4. Depth of well (from top of well casing) 18.0 ft.
5. Inside diameter of well 2.0 in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well 2.5 gal.
8. Volume of water added (if any) 0. gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>18.76</u> ft. | <u>15.69</u> ft. |
| Date | b. <u>04/17/2009</u>
m m d d y y y y | <u>04/20/2009</u>
m m d d y y y y |
| Time | c. <u>16:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>13:15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | _____ mg/l | _____ mg/l |
| 15. COD | _____ mg/l | _____ mg/l |
| 16. Well developed by: Name (first, last) and Firm | | |
| First Name: | <u>WADE</u> | Last Name: <u>WOLGEMANN</u> |
| Firm: <u>ENDPOINT SOLUTIONS</u> | | |

17. Additional comments on development:

PURGED ONLY 3x

Name and Address of Facility Contact /Owner/Responsible Party

First Name: DON Last Name: JOHNSTON

Facility/Firm: U.S. OIL CO., INC.

Street: 558 CARTER COURT

City/State/Zip: KIMBELLY, WI 54136

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: WADE WOLGEMANN

Firm: ENDPOINT SOLUTIONS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>DS Oil Milwaukee South</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-100</u>
Facility License, Permit or Monitoring Number	County Code <u>41</u>	Wis. Unique Well Number _____
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other surged with pump

3. Time spent developing well 20 min.

4. Depth of well (from top of well casing) 17 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 75 gal.

7. Volume of water removed from well 7 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.01</u> ft.	<u>16.00</u> ft.
Date	b. <u>12/21/2011</u> m m d d y y y y	<u>12/21/2011</u> m m d d y y y y
Time	c. <u>13:10</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.

12. Sediment in well bottom — inches — inches

13. Water clarity Clear 10 Turbid 15
(Describe) _____ (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Tim Last Name: Petrina

Firm: Endpoint

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: DS Oil Milwaukee South

Street: 9135 N 107th Street

City/State/Zip: Milwaukee, WI

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Tim Petrina

Firm: Endpoint

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name US Oil Milwaukee South County Name Milwaukee Well Name MW-101
Facility License, Permit or Monitoring Number _____ County Code 41 Wis. Unique Well Number _____ DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other surged with pump

3. Time spent developing well 20 min.

4. Depth of well (from top of well casing) 15 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 8 gal.

7. Volume of water removed from well 1 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water (from top of well casing)

Before Development After Development
a. 0.74 ft. 14.5 ft.

Date b. 12/21/2011 12/21/2011
m m d d y y y y m m d d y y y y

Time c. 13:30 a.m. p.m. 13:50 a.m. p.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 10 Turbid 20
Turbid 15 Turbid 25
(Describe) (Describe)

_____ brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Tim Last Name: Petru

Firm: Endpoint

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: US Oil Milwaukee South
Street: 9135 N 107th Street
City/State/Zip: Milwaukee, WI

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Tim Petru

Firm: Endpoint

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name VS oil Milwaukee South County Name Milwaukee Well Name MW-102
Facility License, Permit or Monitoring Number _____ County Code 41 Wis. Unique Well Number _____ DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other surged with pump
3. Time spent developing well 15 min.
4. Depth of well (from top of well casing) 15 ft.
5. Inside diameter of well 2.07 in.
6. Volume of water in filter pack and well casing 3 gal.
7. Volume of water removed from well 3 gal.
8. Volume of water added (if any) 0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>11.61</u> ft. | <u>14.5</u> ft. |
| Date | b. <u>12/21/2011</u>
m m d d y y y y | <u>12/21/2011</u>
m m d d y y y y |
| Time | c. <u>13:55</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <u>14:10</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | <u>---</u> inches | <u>---</u> inches |
| 13. Water clarity | Clear <input checked="" type="checkbox"/> 10
Turbid <input type="checkbox"/> 15
(Describe) | Clear <input type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 25
(Describe)
<u>Brown</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | <u>---</u> mg/l | <u>---</u> mg/l |
| 15. COD | <u>---</u> mg/l | <u>---</u> mg/l |

16. Well developed by: Name (first, last) and Firm
First Name: Tim Last Name: Petrich
Firm: Endpoint

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: VS Oil Milwaukee South
Street: 4135 N 107th Street
City/State/Zip: Milwaukee, WI

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]
Print Name: Tim Petrich
Firm: Endpoint

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) _____ ft.

5. Inside diameter of well _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ ft.	_____ ft.
Date	b. ____/____/____	____/____/____
	m m d d y y y y	m m d d y y y y
Time	c. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____	Clear <input type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: _____ Last Name: _____

Firm: _____

Name and Address of Facility Contact /Owner/Responsible Party

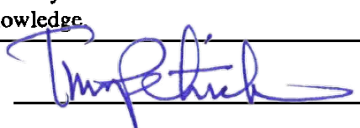
First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) _____ ft.

5. Inside diameter of well _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ ft.	_____ ft.
Date	b. ____/____/____	____/____/____
	m m d d y y y y	m m d d y y y y
Time	c. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____	Clear <input type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: _____ Last Name: _____

Firm: _____

Name and Address of Facility Contact/Owner/Responsible Party

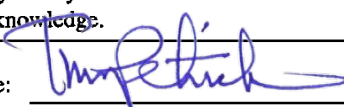
First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) _____ ft.

5. Inside diameter of well _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. _____ ft. _____ ft.

Date b. ____/____/____ ____/____/____
m m d d y y y y m m d d y y y y

Time c. ____:____ a.m. p.m. ____:____ a.m. p.m.

12. Sediment in well _____ inches _____ inches
bottom

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: _____ Last Name: _____

Firm: _____

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) _____ ft.

5. Inside diameter of well _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ ft.	_____ ft.
Date	b. ____/____/____	____/____/____
	m m d d y y y y	m m d d y y y y
Time	c. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____	Clear <input type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: _____ Last Name: _____

Firm: _____

Name and Address of Facility Contact /Owner/Responsible Party

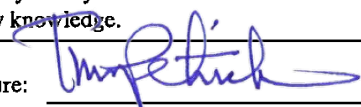
First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) _____ ft.

5. Inside diameter of well _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. _____ ft. _____ ft.

Date b. ____/____/____ ____/____/____
m m d d y y y y m m d d y y y y

Time c. ____:____ a.m. p.m. ____:____ a.m. p.m.

12. Sediment in well _____ inches _____ inches
bottom

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: _____ Last Name: _____

Firm: _____

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____
3. Time spent developing well _____ min.
4. Depth of well (from top of well casing) _____ ft.
5. Inside diameter of well _____ in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well _____ gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ ft.	_____ ft.
Date	b. ____/____/____ m m d d y y y y	____/____/____ m m d d y y y y
Time	c. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____	Clear <input type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

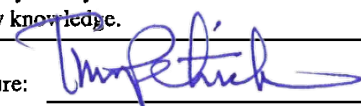
First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other _____

Facility/Project Name	County Name	Well Name	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____
3. Time spent developing well _____ min.
4. Depth of well (from top of well casing) _____ ft.
5. Inside diameter of well _____ in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well _____ gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ ft.	_____ ft.
Date	b. ____/____/____	____/____/____
	m m d d y y y y	m m d d y y y y
Time	c. ____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____	Clear <input type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party


First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:  _____

Print Name: _____

Firm: _____

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX C

SOIL AND GROUNDWATER ANALYTICAL DATA AND CHAIN-OF-CUSTODY FORMS

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WADE WOLLERMANN
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
HALES CORNERS, WI 53130

Report Date 05-Jan-12

Project Name MILWAUKEE SOUTH
Project # 014-002-008

Invoice # E23259

Lab Code 5023259A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	7.6	ug/l	0.1	0.31	10	M8270D	12/28/2011	12/30/2011	MDK	1
Acenaphthylene	2.06	ug/l	0.14	0.43	10	M8270D	12/28/2011	12/30/2011	MDK	1
Anthracene	2.74	ug/l	0.09	0.3	10	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)anthracene	0.97	ug/l	0.14	0.44	10	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)pyrene	0.38	ug/l	0.11	0.34	10	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(b)fluoranthene	0.57	ug/l	0.13	0.41	10	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(g,h,i)perylene	0.202 "J"	ug/l	0.15	0.48	10	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(k)fluoranthene	0.238 "J"	ug/l	0.15	0.47	10	M8270D	12/28/2011	12/30/2011	MDK	1
Chrysene	0.59	ug/l	0.13	0.42	10	M8270D	12/28/2011	12/30/2011	MDK	1
Dibenzo(a,h)anthracene	< 0.16	ug/l	0.16	0.5	10	M8270D	12/28/2011	12/30/2011	MDK	1
Fluoranthene	2.27	ug/l	0.12	0.39	10	M8270D	12/28/2011	12/30/2011	MDK	1
Fluorene	12.4	ug/l	0.08	0.25	10	M8270D	12/28/2011	12/30/2011	MDK	1
Indeno(1,2,3-cd)pyrene	0.184 "J"	ug/l	0.15	0.49	10	M8270D	12/28/2011	12/30/2011	MDK	1
1-Methyl naphthalene	63	ug/l	0.09	0.28	10	M8270D	12/28/2011	12/30/2011	MDK	1
2-Methyl naphthalene	45	ug/l	0.13	0.4	10	M8270D	12/28/2011	12/30/2011	MDK	1
Naphthalene	10.1	ug/l	0.15	0.47	10	M8270D	12/28/2011	12/30/2011	MDK	1
Phenanthrene	17.7	ug/l	0.1	0.33	10	M8270D	12/28/2011	12/30/2011	MDK	1
Pyrene	2.71	ug/l	0.13	0.42	10	M8270D	12/28/2011	12/30/2011	MDK	1
VOC's										
Benzene	192	ug/l	5	16	10	8260B	12/28/2011	12/28/2011	CJR	1
Bromobenzene	< 7.4	ug/l	7.4	24	10	8260B	12/28/2011	12/28/2011	CJR	1
Bromodichloromethane	< 6.8	ug/l	6.8	22	10	8260B	12/28/2011	12/28/2011	CJR	1
Bromoform	< 4.3	ug/l	4.3	14	10	8260B	12/28/2011	12/28/2011	CJR	1
tert-Butylbenzene	< 7.1	ug/l	7.1	23	10	8260B	12/28/2011	12/28/2011	CJR	1
sec-Butylbenzene	< 10	ug/l	10	33	10	8260B	12/28/2011	12/28/2011	CJR	1
n-Butylbenzene	< 9	ug/l	9	29	10	8260B	12/28/2011	12/28/2011	CJR	1
Carbon Tetrachloride	< 4.7	ug/l	4.7	15	10	8260B	12/28/2011	12/28/2011	CJR	1
Chlorobenzene	< 5.1	ug/l	5.1	16	10	8260B	12/28/2011	12/28/2011	CJR	1

Project Name MILWAUKEE SOUTH
Project # 014-002-008

Invoice # E23259

Lab Code 5023259A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
Chloroethane	< 14	ug/l	14	45	10	8260B		12/28/2011	CJR	1
Chloroform	< 4.9	ug/l	4.9	15	10	8260B		12/28/2011	CJR	1
Chloromethane	< 19	ug/l	19	61	10	8260B		12/28/2011	CJR	1
2-Chlorotoluene	< 7	ug/l	7	22	10	8260B		12/28/2011	CJR	1
4-Chlorotoluene	< 4.4	ug/l	4.4	14	10	8260B		12/28/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	89	10	8260B		12/28/2011	CJR	1
Dibromochloromethane	< 5.5	ug/l	5.5	18	10	8260B		12/28/2011	CJR	1
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		12/28/2011	CJR	1
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	10	8260B		12/28/2011	CJR	1
1,2-Dichlorobenzene	< 7.6	ug/l	7.6	24	10	8260B		12/28/2011	CJR	1
Dichlorodifluoromethane	< 18	ug/l	18	59	10	8260B		12/28/2011	CJR	1
1,2-Dichloroethane	< 5	ug/l	5	16	10	8260B		12/28/2011	CJR	1
1,1-Dichloroethane	< 9.8	ug/l	9.8	31	10	8260B		12/28/2011	CJR	1
1,1-Dichloroethene	< 6	ug/l	6	19	10	8260B		12/28/2011	CJR	1
cis-1,2-Dichloroethene	< 7.4	ug/l	7.4	24	10	8260B		12/28/2011	CJR	1
trans-1,2-Dichloroethene	< 7.9	ug/l	7.9	25	10	8260B		12/28/2011	CJR	1
1,2-Dichloropropane	< 4	ug/l	4	13	10	8260B		12/28/2011	CJR	1
2,2-Dichloropropane	< 19	ug/l	19	59	10	8260B		12/28/2011	CJR	8
1,3-Dichloropropane	< 7.1	ug/l	7.1	23	10	8260B		12/28/2011	CJR	1
Di-isopropyl ether	< 6.9	ug/l	6.9	22	10	8260B		12/28/2011	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		12/28/2011	CJR	1
Ethylbenzene	14.8 "J"	ug/l	7.8	25	10	8260B		12/28/2011	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	68	10	8260B		12/28/2011	CJR	1
Isopropylbenzene	< 9.2	ug/l	9.2	29	10	8260B		12/28/2011	CJR	1
p-Isopropyltoluene	< 9.2	ug/l	9.2	29	10	8260B		12/28/2011	CJR	1
Methylene chloride	< 11	ug/l	11	34	10	8260B		12/28/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 8	ug/l	8	25	10	8260B		12/28/2011	CJR	1
Naphthalene	30.3 "J"	ug/l	21	68	10	8260B		12/28/2011	CJR	1
n-Propylbenzene	< 5.9	ug/l	5.9	19	10	8260B		12/28/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 5.3	ug/l	5.3	17	10	8260B		12/28/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 10	ug/l	10	32	10	8260B		12/28/2011	CJR	1
Tetrachloroethene	< 4.4	ug/l	4.4	14	10	8260B		12/28/2011	CJR	8
Toluene	18.5	ug/l	5.3	17	10	8260B		12/28/2011	CJR	1
1,2,4-Trichlorobenzene	< 15	ug/l	15	46	10	8260B		12/28/2011	CJR	1
1,2,3-Trichlorobenzene	< 13	ug/l	13	42	10	8260B		12/28/2011	CJR	1
1,1,1-Trichloroethane	< 8.5	ug/l	8.5	27	10	8260B		12/28/2011	CJR	1
1,1,2-Trichloroethane	< 4.7	ug/l	4.7	15	10	8260B		12/28/2011	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		12/28/2011	CJR	1
Trichlorofluoromethane	< 17	ug/l	17	53	10	8260B		12/28/2011	CJR	1
1,2,4-Trimethylbenzene	50	ug/l	8	25	10	8260B		12/28/2011	CJR	1
1,3,5-Trimethylbenzene	34	ug/l	7.4	24	10	8260B		12/28/2011	CJR	1
Vinyl Chloride	< 1.8	ug/l	1.8	5.6	10	8260B		12/28/2011	CJR	1
m&p-Xylene	92	ug/l	11	35	10	8260B		12/28/2011	CJR	1
o-Xylene	13.1 "J"	ug/l	8	26	10	8260B		12/28/2011	CJR	1
SUR - 4-Bromofluorobenzene	111	REC %			10	8260B		12/28/2011	CJR	1
SUR - Dibromofluoromethane	97	REC %			10	8260B		12/28/2011	CJR	1
SUR - Toluene-d8	109	REC %			10	8260B		12/28/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			10	8260B		12/28/2011	CJR	1

Project Name MILWAUKEE SOUTH
 Project # 014-002-008

Invoice # E23259

Lab Code 5023259B
 Sample ID MW -101
 Sample Matrix Water
 Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	10.5	ug/l	0.5	1.55	50	M8270D	12/28/2011	12/30/2011	MDK	1
Acenaphthylene	3.5	ug/l	0.7	2.15	50	M8270D	12/28/2011	12/30/2011	MDK	1
Anthracene	2.56	ug/l	0.45	1.5	50	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)anthracene	0.99 "J"	ug/l	0.7	2.2	50	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)pyrene	< 0.55	ug/l	0.55	1.7	50	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(b)fluoranthene	< 0.65	ug/l	0.65	2.05	50	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(g,h,i)perylene	< 0.75	ug/l	0.75	2.4	50	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(k)fluoranthene	< 0.75	ug/l	0.75	2.35	50	M8270D	12/28/2011	12/30/2011	MDK	1
Chrysene	< 0.65	ug/l	0.65	2.1	50	M8270D	12/28/2011	12/30/2011	MDK	1
Dibenzo(a,h)anthracene	< 0.8	ug/l	0.8	2.5	50	M8270D	12/28/2011	12/30/2011	MDK	1
Fluoranthene	1.09 "J"	ug/l	0.6	1.95	50	M8270D	12/28/2011	12/30/2011	MDK	1
Fluorene	19.5	ug/l	0.4	1.25	50	M8270D	12/28/2011	12/30/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.75	ug/l	0.75	2.45	50	M8270D	12/28/2011	12/30/2011	MDK	1
1-Methyl naphthalene	183	ug/l	0.45	1.4	50	M8270D	12/28/2011	12/30/2011	MDK	1
2-Methyl naphthalene	258	ug/l	0.65	2	50	M8270D	12/28/2011	12/30/2011	MDK	1
Naphthalene	97	ug/l	0.75	2.35	50	M8270D	12/28/2011	12/30/2011	MDK	1
Phenanthrene	29	ug/l	0.5	1.65	50	M8270D	12/28/2011	12/30/2011	MDK	1
Pyrene	3.14	ug/l	0.65	2.1	50	M8270D	12/28/2011	12/30/2011	MDK	1
VOC's										
Benzene	3400	ug/l	25	80	50	8260B		12/28/2011	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		12/28/2011	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		12/28/2011	CJR	1
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		12/28/2011	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		12/28/2011	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		12/28/2011	CJR	1
n-Butylbenzene	< 45	ug/l	45	145	50	8260B		12/28/2011	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		12/28/2011	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		12/28/2011	CJR	1
Chloroethane	< 70	ug/l	70	225	50	8260B		12/28/2011	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B		12/28/2011	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B		12/28/2011	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B		12/28/2011	CJR	1
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B		12/28/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B		12/28/2011	CJR	1
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B		12/28/2011	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B		12/28/2011	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B		12/28/2011	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B		12/28/2011	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B		12/28/2011	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B		12/28/2011	CJR	1
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B		12/28/2011	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B		12/28/2011	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B		12/28/2011	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B		12/28/2011	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B		12/28/2011	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B		12/28/2011	CJR	8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B		12/28/2011	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B		12/28/2011	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		12/28/2011	CJR	1
Ethylbenzene	370	ug/l	39	125	50	8260B		12/28/2011	CJR	1

Project Name MILWAUKEE SOUTH
Project # 014-002-008

Invoice # E23259

Lab Code 5023259B
Sample ID MW -101
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B	12/28/2011	12/28/2011	CJR	1
Isopropylbenzene	< 46	ug/l	46	145	50	8260B	12/28/2011	12/28/2011	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B	12/28/2011	12/28/2011	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B	12/28/2011	12/28/2011	CJR	1
Methyl tert-butyl ether (MTBE)	180	ug/l	40	125	50	8260B	12/28/2011	12/28/2011	CJR	1
Naphthalene	264 "J"	ug/l	105	340	50	8260B	12/28/2011	12/28/2011	CJR	1
n-Propylbenzene	36 "J"	ug/l	29.5	95	50	8260B	12/28/2011	12/28/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B	12/28/2011	12/28/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B	12/28/2011	12/28/2011	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B	12/28/2011	12/28/2011	CJR	1
Toluene	252	ug/l	26.5	85	50	8260B	12/28/2011	12/28/2011	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B	12/28/2011	12/28/2011	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B	12/28/2011	12/28/2011	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B	12/28/2011	12/28/2011	CJR	1
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B	12/28/2011	12/28/2011	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B	12/28/2011	12/28/2011	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B	12/28/2011	12/28/2011	CJR	1
1,2,4-Trimethylbenzene	700	ug/l	40	125	50	8260B	12/28/2011	12/28/2011	CJR	1
1,3,5-Trimethylbenzene	208	ug/l	37	120	50	8260B	12/28/2011	12/28/2011	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B	12/28/2011	12/28/2011	CJR	1
m&p-Xylene	1650	ug/l	55	175	50	8260B	12/28/2011	12/28/2011	CJR	1
o-Xylene	258	ug/l	40	130	50	8260B	12/28/2011	12/28/2011	CJR	1
SUR - Toluene-d8	110	REC %			50	8260B	12/28/2011	12/28/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			50	8260B	12/28/2011	12/28/2011	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			50	8260B	12/28/2011	12/28/2011	CJR	1
SUR - Dibromofluoromethane	105	REC %			50	8260B	12/28/2011	12/28/2011	CJR	1

Lab Code 5023259C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	11.5	ug/l	1	3.1	100	M8270D	12/28/2011	12/30/2011	MDK	1
Acenaphthylene	3.4 "J"	ug/l	1.4	4.3	100	M8270D	12/28/2011	12/30/2011	MDK	1
Anthracene	4.8	ug/l	0.9	3	100	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)anthracene	2.58 "J"	ug/l	1.4	4.4	100	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(a)pyrene	< 1.1	ug/l	1.1	3.4	100	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(b)fluoranthene	< 1.3	ug/l	1.3	4.1	100	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(g,h,i)perylene	< 1.5	ug/l	1.5	4.8	100	M8270D	12/28/2011	12/30/2011	MDK	1
Benzo(k)fluoranthene	< 1.5	ug/l	1.5	4.7	100	M8270D	12/28/2011	12/30/2011	MDK	1
Chrysene	< 1.3	ug/l	1.3	4.2	100	M8270D	12/28/2011	12/30/2011	MDK	1
Dibenzo(a,h)anthracene	< 1.6	ug/l	1.6	5	100	M8270D	12/28/2011	12/30/2011	MDK	1
Fluoranthene	3.9 "J"	ug/l	1.2	3.9	100	M8270D	12/28/2011	12/30/2011	MDK	1
Fluorene	23.8	ug/l	0.8	2.5	100	M8270D	12/28/2011	12/30/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.5	ug/l	1.5	4.9	100	M8270D	12/28/2011	12/30/2011	MDK	1
1-Methyl naphthalene	273	ug/l	0.9	2.8	100	M8270D	12/28/2011	12/30/2011	MDK	1
2-Methyl naphthalene	480	ug/l	1.3	4	100	M8270D	12/28/2011	12/30/2011	MDK	1
Naphthalene	350	ug/l	1.5	4.7	100	M8270D	12/28/2011	12/30/2011	MDK	1
Phenanthrene	39	ug/l	1	3.3	100	M8270D	12/28/2011	12/30/2011	MDK	1
Pyrene	6.3	ug/l	1.3	4.2	100	M8270D	12/28/2011	12/30/2011	MDK	1

Project Name MILWAUKEE SOUTH
Project # 014-002-008

Invoice # E23259

Lab Code 5023259C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
VOC's										
Benzene	4900	ug/l	25	80	50	8260B		12/28/2011	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		12/28/2011	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		12/28/2011	CJR	1
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		12/28/2011	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		12/28/2011	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		12/28/2011	CJR	1
n-Butylbenzene	58 "J"	ug/l	45	145	50	8260B		12/28/2011	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		12/28/2011	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		12/28/2011	CJR	1
Chloroethane	< 70	ug/l	70	225	50	8260B		12/28/2011	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B		12/28/2011	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B		12/28/2011	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B		12/28/2011	CJR	1
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B		12/28/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B		12/28/2011	CJR	3
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B		12/28/2011	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B		12/28/2011	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B		12/28/2011	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B		12/28/2011	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B		12/28/2011	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B		12/28/2011	CJR	1
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B		12/28/2011	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B		12/28/2011	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B		12/28/2011	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B		12/28/2011	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B		12/28/2011	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B		12/28/2011	CJR	8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B		12/28/2011	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B		12/28/2011	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		12/28/2011	CJR	1
Ethylbenzene	1510	ug/l	39	125	50	8260B		12/28/2011	CJR	1
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B		12/28/2011	CJR	1
Isopropylbenzene	80 "J"	ug/l	46	145	50	8260B		12/28/2011	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B		12/28/2011	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B		12/28/2011	CJR	1
Methyl tert-butyl ether (MTBE)	118 "J"	ug/l	40	125	50	8260B		12/28/2011	CJR	1
Naphthalene	640	ug/l	105	340	50	8260B		12/28/2011	CJR	1
n-Propylbenzene	217	ug/l	29.5	95	50	8260B		12/28/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B		12/28/2011	CJR	3
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B		12/28/2011	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B		12/28/2011	CJR	1
Toluene	4600	ug/l	26.5	85	50	8260B		12/28/2011	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B		12/28/2011	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B		12/28/2011	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B		12/28/2011	CJR	1
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B		12/28/2011	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B		12/28/2011	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B		12/28/2011	CJR	1
1,2,4-Trimethylbenzene	1730	ug/l	40	125	50	8260B		12/28/2011	CJR	1
1,3,5-Trimethylbenzene	460	ug/l	37	120	50	8260B		12/28/2011	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B		12/28/2011	CJR	1

Project Name MILWAUKEE SOUTH
Project # 014-002-008

Invoice # E23259

Lab Code 5023259C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/21/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Dat	Analyst	Code
m&p-Xylene	5300	ug/l	55	175	50	8260B		12/28/2011	CJR	1
o-Xylene	1850	ug/l	40	130	50	8260B		12/28/2011	CJR	1
SUR - Toluene-d8	105	REC %			50	8260B		12/28/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			50	8260B		12/28/2011	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			50	8260B		12/28/2011	CJR	1
SUR - Dibromofluoromethane	90	REC %			50	8260B		12/28/2011	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.
- 8 Closing calibration standard not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field. The laboratory analytical services associated with this report were performed in compliance with Synergy Environmental lab's Quality Assurance Program Manual.

Authorized Signature

Michael J. Ricker

CHAIN OF CUSTODY RECORD



Environmental Lab, Inc.

Chain # **No** 100

Page 1 of 1

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required
 Normal Turn Around
(Rushes accepted only with prior authorization)

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: **014-002-008**
 Sampler: (signature) *IMP*

Project (Name / Location): **US Oil MKE South**

Reports To: **Tim Pfeiffer** Invoice To: _____
 Company: **Endpoint** Company: _____
 Address: **1206 SW Jamesville** Address: *Sue*
 City State Zip: **Hales Corners** City State Zip: _____
 Phone: _____ Phone: _____
 FAX: _____ FAX: _____

Analysis Requested		Other Analysis										PID/ FID								
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS									
X	X			X					X											
X	X			X					X											
X	X			X					X											
X	X			X					X											
X	X			X					X											

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
S02S163A	B-1/MW-100	12/2/11			X	N	3	S	Meq
B	B-2				X	N	3	S	Meq
C	B-3/MW-101				X	N	3	S	Meq
D	B-4				X	N	3	S	Meq
E	B-5/MW-102				X	N	3	S	Meq

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *Refrigerated*

Temp. of Temp. Blank: _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *IMP* Time *11:55* Date *12/2/11*

Received By: (sign) *Danielle Adams* Time _____ Date *12/5/11*

Received in Laboratory By: *Christy J. Ross* Time: *8:00* Date: *12/6/11*

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
HALES CORNERS, WI 53130

Report Date 19-Dec-11

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163A
Sample ID B-1/MW-100 8-10'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.2	%			1	5021		12/8/2011	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		12/7/2011	MDK	1
Gasoline Range Organics	80	mg/kg	2.8	8.8	1	GRO95/8021		12/9/2011	CJR	1
PAH SIM										
Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	12/9/2011	12/12/2011	MDK	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	12/9/2011	12/12/2011	MDK	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	12/9/2011	12/12/2011	MDK	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	12/9/2011	12/12/2011	MDK	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	12/9/2011	12/12/2011	MDK	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	12/9/2011	12/12/2011	MDK	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	12/9/2011	12/12/2011	MDK	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	12/9/2011	12/12/2011	MDK	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	12/9/2011	12/12/2011	MDK	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	12/9/2011	12/12/2011	MDK	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	12/9/2011	12/12/2011	MDK	1
Fluorene	< 10.7	ug/kg	10.7	33.9	1	M8270D	12/9/2011	12/12/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	12/9/2011	12/12/2011	MDK	1
1-Methyl naphthalene	130	ug/kg	17.9	56.9	1	M8270D	12/9/2011	12/12/2011	MDK	1
2-Methyl naphthalene	288	ug/kg	9.6	30.4	1	M8270D	12/9/2011	12/12/2011	MDK	1
Naphthalene	390	ug/kg	10.8	34.5	1	M8270D	12/9/2011	12/12/2011	MDK	1
Phenanthrene	12.5 "J"	ug/kg	9.8	31.1	1	M8270D	12/9/2011	12/12/2011	MDK	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	12/9/2011	12/12/2011	MDK	1
VOC's										
Benzene	1140	ug/kg	89	280	10	8260B		12/6/2011	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		12/6/2011	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163A
Sample ID B-1/MW-100 8-10'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 200	ug/kg	200	620	10	8260B	12/6/2011	12/6/2011	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B	12/6/2011	12/6/2011	CJR	1
sec-Butylbenzene	< 510	ug/kg	510	1620	10	8260B	12/6/2011	12/6/2011	CJR	1
n-Butylbenzene	540 "J"	ug/kg	480	1520	10	8260B	12/6/2011	12/6/2011	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B	12/6/2011	12/6/2011	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B	12/6/2011	12/6/2011	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B	12/6/2011	12/6/2011	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B	12/6/2011	12/6/2011	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B	12/6/2011	12/6/2011	CJR	1
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B	12/6/2011	12/6/2011	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B	12/6/2011	12/6/2011	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B	12/6/2011	12/6/2011	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B	12/6/2011	12/6/2011	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B	12/6/2011	12/6/2011	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B	12/6/2011	12/6/2011	CJR	8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B	12/6/2011	12/6/2011	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B	12/6/2011	12/6/2011	CJR	1
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B	12/6/2011	12/6/2011	CJR	1
Ethylbenzene	2900	ug/kg	550	1750	10	8260B	12/6/2011	12/6/2011	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B	12/6/2011	12/6/2011	CJR	1
Isopropylbenzene	< 530	ug/kg	530	1680	10	8260B	12/6/2011	12/6/2011	CJR	1
p-Isopropyltoluene	< 450	ug/kg	450	1430	10	8260B	12/6/2011	12/6/2011	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B	12/6/2011	12/6/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B	12/6/2011	12/6/2011	CJR	1
Naphthalene	< 1070	ug/kg	1070	3400	10	8260B	12/6/2011	12/6/2011	CJR	1
n-Propylbenzene	1170 "J"	ug/kg	530	1690	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B	12/6/2011	12/6/2011	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B	12/6/2011	12/6/2011	CJR	1
Toluene	550 "J"	ug/kg	500	1590	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B	12/6/2011	12/6/2011	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B	12/6/2011	12/6/2011	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,4-Trimethylbenzene	6600	ug/kg	800	2530	10	8260B	12/6/2011	12/6/2011	CJR	1
1,3,5-Trimethylbenzene	1810	ug/kg	480	1510	10	8260B	12/6/2011	12/6/2011	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B	12/6/2011	12/6/2011	CJR	1
m&p-Xylene	6200	ug/kg	860	2740	10	8260B	12/6/2011	12/6/2011	CJR	1
o-Xylene	< 500	ug/kg	500	1590	10	8260B	12/6/2011	12/6/2011	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			10	8260B	12/6/2011	12/6/2011	CJR	1
SUR - Dibromofluoromethane	96	Rec %			10	8260B	12/6/2011	12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163A
Sample ID B-1/MW-100 8-10'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	117	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Toluene-d8	114	Rec %			10	8260B		12/6/2011	CJR	1

Lab Code 5023163B
Sample ID B-2 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	82.3	%			1	5021		12/8/2011	MDK	1
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Organic

General

Diesel Range Organics	17.2	mg/kg	0.81	2.6	1	DRO95		12/7/2011	MDK	1 54
Gasoline Range Organics	100	mg/kg	28	88	10	GRO95/8021		12/6/2011	CJR	1

PAH SIM

Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	12/9/2011	12/13/2011	MDK	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	12/9/2011	12/13/2011	MDK	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	12/9/2011	12/13/2011	MDK	1
Fluorene	13 "J"	ug/kg	10.7	33.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	12/9/2011	12/13/2011	MDK	1
1-Methyl naphthalene	287	ug/kg	17.9	56.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
2-Methyl naphthalene	570	ug/kg	9.6	30.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Naphthalene	470	ug/kg	10.8	34.5	1	M8270D	12/9/2011	12/13/2011	MDK	1
Phenanthrene	60	ug/kg	9.8	31.1	1	M8270D	12/9/2011	12/13/2011	MDK	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	12/9/2011	12/13/2011	MDK	1

VOC's

Benzene	2250	ug/kg	89	280	10	8260B		12/6/2011	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		12/6/2011	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
Bromoform	< 200	ug/kg	200	620	10	8260B		12/6/2011	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B		12/6/2011	CJR	1
sec-Butylbenzene	< 510	ug/kg	510	1620	10	8260B		12/6/2011	CJR	1
n-Butylbenzene	1020 "J"	ug/kg	480	1520	10	8260B		12/6/2011	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B		12/6/2011	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B		12/6/2011	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B		12/6/2011	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B		12/6/2011	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B		12/6/2011	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B		12/6/2011	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B		12/6/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B		12/6/2011	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B		12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163B
Sample ID B-2 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B		12/6/2011	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B		12/6/2011	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B		12/6/2011	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B		12/6/2011	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B		12/6/2011	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B		12/6/2011	CJR	8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B		12/6/2011	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B		12/6/2011	CJR	1
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B		12/6/2011	CJR	1
Ethylbenzene	3800	ug/kg	550	1750	10	8260B		12/6/2011	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B		12/6/2011	CJR	1
Isopropylbenzene	< 530	ug/kg	530	1680	10	8260B		12/6/2011	CJR	1
p-Isopropyltoluene	< 450	ug/kg	450	1430	10	8260B		12/6/2011	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B		12/6/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B		12/6/2011	CJR	1
Naphthalene	1390 "J"	ug/kg	1070	3400	10	8260B		12/6/2011	CJR	1
n-Propylbenzene	2100	ug/kg	530	1690	10	8260B		12/6/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B		12/6/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B		12/6/2011	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B		12/6/2011	CJR	1
Toluene	800 "J"	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B		12/6/2011	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B		12/6/2011	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B		12/6/2011	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B		12/6/2011	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B		12/6/2011	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B		12/6/2011	CJR	1
1,2,4-Trimethylbenzene	10300	ug/kg	800	2530	10	8260B		12/6/2011	CJR	1
1,3,5-Trimethylbenzene	2530	ug/kg	480	1510	10	8260B		12/6/2011	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B		12/6/2011	CJR	1
m&p-Xylene	10000	ug/kg	860	2740	10	8260B		12/6/2011	CJR	1
o-Xylene	1040 "J"	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1
SUR - Toluene-d8	112	Rec %			10	8260B		12/6/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	92	Rec %			10	8260B		12/6/2011	CJR	1
SUR - 4-Bromofluorobenzene	106	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Dibromofluoromethane	95	Rec %			10	8260B		12/6/2011	CJR	1

Lab Code 5023163C
Sample ID B-3/MW-101 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.8	%			1	5021		12/8/2011	MDK	1
Organic										

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163C
Sample ID B-3/MW-101 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
Diesel Range Organics	277	mg/kg	0.81	2.6	1	DRO95		12/7/2011	MDK	1 54
Gasoline Range Organics	136	mg/kg	28	88	10	GRO95/8021		12/6/2011	CJR	1
PAH SIM										
Acenaphthene	123	ug/kg	9.7	30.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Acenaphthylene	45	ug/kg	8.4	26.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Anthracene	56	ug/kg	10.2	32.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Chrysene	11 "J"	ug/kg	9.2	29.3	1	M8270D	12/9/2011	12/13/2011	MDK	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	12/9/2011	12/13/2011	MDK	1
Fluoranthene	25.7 "J"	ug/kg	9.8	31.3	1	M8270D	12/9/2011	12/13/2011	MDK	1
Fluorene	248	ug/kg	10.7	33.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	12/9/2011	12/13/2011	MDK	1
1-Methyl naphthalene	1690	ug/kg	17.9	56.9	1	M8270D	12/9/2011	12/13/2011	MDK	1
2-Methyl naphthalene	2900	ug/kg	9.6	30.4	1	M8270D	12/9/2011	12/13/2011	MDK	1
Naphthalene	920	ug/kg	10.8	34.5	1	M8270D	12/9/2011	12/13/2011	MDK	1
Phenanthrene	650	ug/kg	9.8	31.1	1	M8270D	12/9/2011	12/13/2011	MDK	1
Pyrene	81	ug/kg	9.5	30.3	1	M8270D	12/9/2011	12/13/2011	MDK	1
VOC's										
Benzene	1820	ug/kg	89	280	10	8260B		12/6/2011	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		12/6/2011	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
Bromoform	< 200	ug/kg	200	620	10	8260B		12/6/2011	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B		12/6/2011	CJR	1
sec-Butylbenzene	730 "J"	ug/kg	510	1620	10	8260B		12/6/2011	CJR	1
n-Butylbenzene	1390 "J"	ug/kg	480	1520	10	8260B		12/6/2011	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B		12/6/2011	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B		12/6/2011	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B		12/6/2011	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B		12/6/2011	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B		12/6/2011	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B		12/6/2011	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B		12/6/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B		12/6/2011	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B		12/6/2011	CJR	1
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B		12/6/2011	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B		12/6/2011	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B		12/6/2011	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B		12/6/2011	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B		12/6/2011	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B		12/6/2011	CJR	8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B		12/6/2011	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B		12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163C
Sample ID B-3/MW-101 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B		12/6/2011	CJR	1
Ethylbenzene	3600	ug/kg	550	1750	10	8260B		12/6/2011	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B		12/6/2011	CJR	1
Isopropylbenzene	550 "J"	ug/kg	530	1680	10	8260B		12/6/2011	CJR	1
p-Isopropyltoluene	< 450	ug/kg	450	1430	10	8260B		12/6/2011	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B		12/6/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B		12/6/2011	CJR	1
Naphthalene	2900 "J"	ug/kg	1070	3400	10	8260B		12/6/2011	CJR	1
n-Propylbenzene	1760	ug/kg	530	1690	10	8260B		12/6/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B		12/6/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B		12/6/2011	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B		12/6/2011	CJR	1
Toluene	840 "J"	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B		12/6/2011	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B		12/6/2011	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B		12/6/2011	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B		12/6/2011	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B		12/6/2011	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B		12/6/2011	CJR	1
1,2,4-Trimethylbenzene	9100	ug/kg	800	2530	10	8260B		12/6/2011	CJR	1
1,3,5-Trimethylbenzene	2230	ug/kg	480	1510	10	8260B		12/6/2011	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B		12/6/2011	CJR	1
m&p-Xylene	7400	ug/kg	860	2740	10	8260B		12/6/2011	CJR	1
o-Xylene	1290 "J"	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1
SUR - Dibromofluoromethane	93	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Toluene-d8	115	Rec %			10	8260B		12/6/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			10	8260B		12/6/2011	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			10	8260B		12/6/2011	CJR	1

Lab Code 5023163D
Sample ID B-4 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.8	%			1	5021		12/8/2011	MDK	1
Organic										
General										
Diesel Range Organics	49.7	mg/kg	0.81	2.6	1	DRO95		12/7/2011	MDK	1 54
Gasoline Range Organics	1100	mg/kg	28	88	10	GRO95/8021		12/6/2011	CJR	1
PAH SIM										
Acenaphthene	14.8 "J"	ug/kg	9.7	30.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	12/15/2011	12/15/2011	MDK	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163D
Sample ID B-4 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	12/15/2011	12/15/2011	MDK	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	12/15/2011	12/15/2011	MDK	1
Fluorene	26.2 "J"	ug/kg	10.7	33.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	12/15/2011	12/15/2011	MDK	1
1-Methyl naphthalene	299	ug/kg	17.9	56.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
2-Methyl naphthalene	550	ug/kg	9.6	30.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Naphthalene	630	ug/kg	10.8	34.5	1	M8270D	12/15/2011	12/15/2011	MDK	1
Phenanthrene	57	ug/kg	9.8	31.1	1	M8270D	12/15/2011	12/15/2011	MDK	1
Pyrene	11 "J"	ug/kg	9.5	30.3	1	M8270D	12/15/2011	12/15/2011	MDK	1
VOC's										
Benzene	23400	ug/kg	89	280	10	8260B		12/6/2011	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		12/6/2011	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
Bromoform	< 200	ug/kg	200	620	10	8260B		12/6/2011	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B		12/6/2011	CJR	1
sec-Butylbenzene	1990	ug/kg	510	1620	10	8260B		12/6/2011	CJR	1
n-Butylbenzene	7000	ug/kg	480	1520	10	8260B		12/6/2011	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B		12/6/2011	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B		12/6/2011	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B		12/6/2011	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B		12/6/2011	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B		12/6/2011	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B		12/6/2011	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B		12/6/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B		12/6/2011	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B		12/6/2011	CJR	1
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B		12/6/2011	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B		12/6/2011	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B		12/6/2011	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B		12/6/2011	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B		12/6/2011	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B		12/6/2011	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B		12/6/2011	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B		12/6/2011	CJR	8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B		12/6/2011	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B		12/6/2011	CJR	1
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B		12/6/2011	CJR	1
Ethylbenzene	36000	ug/kg	550	1750	10	8260B		12/6/2011	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B		12/6/2011	CJR	1
Isopropylbenzene	3200	ug/kg	530	1680	10	8260B		12/6/2011	CJR	1
p-Isopropyltoluene	1240 "J"	ug/kg	450	1430	10	8260B		12/6/2011	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B		12/6/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B		12/6/2011	CJR	1
Naphthalene	13500	ug/kg	1070	3400	10	8260B		12/6/2011	CJR	1
n-Propylbenzene	12000	ug/kg	530	1690	10	8260B		12/6/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B		12/6/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B		12/6/2011	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B		12/6/2011	CJR	1
Toluene	80000	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163D
Sample ID B-4 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B		12/6/2011	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B		12/6/2011	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B		12/6/2011	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B		12/6/2011	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B		12/6/2011	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B		12/6/2011	CJR	1
1,2,4-Trimethylbenzene	70000	ug/kg	800	2530	10	8260B		12/6/2011	CJR	1
1,3,5-Trimethylbenzene	19500	ug/kg	480	1510	10	8260B		12/6/2011	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B		12/6/2011	CJR	1
m&p-Xylene	119000	ug/kg	860	2740	10	8260B		12/6/2011	CJR	1
o-Xylene	42000	ug/kg	500	1590	10	8260B		12/6/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Toluene-d8	113	Rec %			10	8260B		12/6/2011	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Dibromofluoromethane	98	Rec %			10	8260B		12/6/2011	CJR	1

Lab Code 5023163E
Sample ID B-5/MW-102 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.2	%			1	5021		12/8/2011	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		12/7/2011	MDK	1
Gasoline Range Organics	126	mg/kg	28	88	10	GRO95/8021		12/6/2011	CJR	1
PAH SIM										
Acenaphthene	10.4 "J"	ug/kg	9.7	30.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	12/15/2011	12/15/2011	MDK	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	12/15/2011	12/15/2011	MDK	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	12/15/2011	12/15/2011	MDK	1
Fluorene	21.2 "J"	ug/kg	10.7	33.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	12/15/2011	12/15/2011	MDK	1
1-Methyl naphthalene	172	ug/kg	17.9	56.9	1	M8270D	12/15/2011	12/15/2011	MDK	1
2-Methyl naphthalene	330	ug/kg	9.6	30.4	1	M8270D	12/15/2011	12/15/2011	MDK	1
Naphthalene	200	ug/kg	10.8	34.5	1	M8270D	12/15/2011	12/15/2011	MDK	1
Phenanthrene	50	ug/kg	9.8	31.1	1	M8270D	12/15/2011	12/15/2011	MDK	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	12/15/2011	12/15/2011	MDK	1
VOC's										
Benzene	4600	ug/kg	89	280	10	8260B		12/6/2011	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		12/6/2011	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163E
Sample ID B-5/MW-102 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 200	ug/kg	200	620	10	8260B	12/6/2011	12/6/2011	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B	12/6/2011	12/6/2011	CJR	1
sec-Butylbenzene	< 510	ug/kg	510	1620	10	8260B	12/6/2011	12/6/2011	CJR	1
n-Butylbenzene	820 "J"	ug/kg	480	1520	10	8260B	12/6/2011	12/6/2011	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B	12/6/2011	12/6/2011	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B	12/6/2011	12/6/2011	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B	12/6/2011	12/6/2011	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B	12/6/2011	12/6/2011	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B	12/6/2011	12/6/2011	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B	12/6/2011	12/6/2011	CJR	1
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B	12/6/2011	12/6/2011	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B	12/6/2011	12/6/2011	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B	12/6/2011	12/6/2011	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B	12/6/2011	12/6/2011	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B	12/6/2011	12/6/2011	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B	12/6/2011	12/6/2011	CJR	8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B	12/6/2011	12/6/2011	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B	12/6/2011	12/6/2011	CJR	1
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B	12/6/2011	12/6/2011	CJR	1
Ethylbenzene	4500	ug/kg	550	1750	10	8260B	12/6/2011	12/6/2011	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B	12/6/2011	12/6/2011	CJR	1
Isopropylbenzene	< 530	ug/kg	530	1680	10	8260B	12/6/2011	12/6/2011	CJR	1
p-Isopropyltoluene	< 450	ug/kg	450	1430	10	8260B	12/6/2011	12/6/2011	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B	12/6/2011	12/6/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B	12/6/2011	12/6/2011	CJR	1
Naphthalene	3100 "J"	ug/kg	1070	3400	10	8260B	12/6/2011	12/6/2011	CJR	1
n-Propylbenzene	1470 "J"	ug/kg	530	1690	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B	12/6/2011	12/6/2011	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B	12/6/2011	12/6/2011	CJR	1
Toluene	8400	ug/kg	500	1590	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B	12/6/2011	12/6/2011	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B	12/6/2011	12/6/2011	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B	12/6/2011	12/6/2011	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B	12/6/2011	12/6/2011	CJR	1
1,2,4-Trimethylbenzene	8000	ug/kg	800	2530	10	8260B	12/6/2011	12/6/2011	CJR	1
1,3,5-Trimethylbenzene	1940	ug/kg	480	1510	10	8260B	12/6/2011	12/6/2011	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B	12/6/2011	12/6/2011	CJR	1
m&p-Xylene	14200	ug/kg	860	2740	10	8260B	12/6/2011	12/6/2011	CJR	1
o-Xylene	5300	ug/kg	500	1590	10	8260B	12/6/2011	12/6/2011	CJR	1
SUR - Toluene-d8	114	Rec %			10	8260B	12/6/2011	12/6/2011	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			10	8260B	12/6/2011	12/6/2011	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-008

Invoice # E23163

Lab Code 5023163E
Sample ID B-5/MW-102 9-11'
Sample Matrix soil
Sample Date 12/2/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 4-Bromofluorobenzene	108	Rec %			10	8260B		12/6/2011	CJR	1
SUR - Dibromofluoromethane	93	Rec %			10	8260B		12/6/2011	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 8 Closing calibration standard not within established limits.
- 54 Possible gasoline contamination indicated outside DRO window.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field. The laboratory analytical services associated with this report were performed in compliance with Synergy Environmental lab's Quality Assurance Program Manual.

Authorized Signature

Michael J. Ricker

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **Oil-002-008**
Sampler: (signature) **[Signature]**

Project (Name / Location): **Milwaukee South Manifold**
Reports To: **Jim Feina** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **12065 W Jamesville** Address: **[Signature]**
City State Zip: **Hales Corners** City State Zip: _____
Phone: _____ Phone: _____
FAX: _____ FAX: _____

		Analysis Requested										Other Analysis											
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
S-22533A	MW 101	3/14	215		X	N	4	GW	HeP						X					X			
B	MW 102		230		X	N	4	GW							X					X			
C	MW 100		200		X	N	4	GW							X					X			

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: **Dubon**
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) **[Signature]** Time **7:30** Date **3/15/12**
Received By: (sign) **[Signature]** Time _____ Date _____
Received in Laboratory By: **[Signature]** Time: **8:16** Date: **3-16-12**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
HALES CORNERS, WI 53130

Report Date 26-Mar-12

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533A
Sample ID MW 101
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	9.7	ug/l	1.25	4.1	50	M8270D	3/20/2012	3/20/2012	MJR	1
Acenaphthylene	3.1	ug/l	0.95	3	50	M8270D	3/20/2012	3/20/2012	MJR	1
Anthracene	2.71 "J"	ug/l	0.9	2.9	50	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(a)anthracene	1.75 "J"	ug/l	1.2	3.75	50	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(a)pyrene	< 0.9	ug/l	0.9	2.9	50	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(b)fluoranthene	1.14 "J"	ug/l	1	3.3	50	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(g,h,i)perylene	< 0.95	ug/l	0.95	3	50	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(k)fluoranthene	< 1.1	ug/l	1.1	3.6	50	M8270D	3/20/2012	3/20/2012	MJR	1
Chrysene	1.28 "J"	ug/l	0.95	2.95	50	M8270D	3/20/2012	3/20/2012	MJR	1
Dibenzo(a,h)anthracene	< 0.95	ug/l	0.95	3.05	50	M8270D	3/20/2012	3/20/2012	MJR	1
Fluoranthene	2.34 "J"	ug/l	1.1	3.45	50	M8270D	3/20/2012	3/20/2012	MJR	1
Fluorene	21.6	ug/l	1	3.2	50	M8270D	3/20/2012	3/20/2012	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.9	ug/l	0.9	2.9	50	M8270D	3/20/2012	3/20/2012	MJR	1
1-Methyl naphthalene	157	ug/l	1.1	3.6	50	M8270D	3/20/2012	3/20/2012	MJR	1
2-Methyl naphthalene	219	ug/l	1.2	3.9	50	M8270D	3/20/2012	3/20/2012	MJR	1
Naphthalene	88	ug/l	1.05	3.35	50	M8270D	3/20/2012	3/20/2012	MJR	1
Phenanthrene	34	ug/l	0.95	3.1	50	M8270D	3/20/2012	3/20/2012	MJR	1
Pyrene	4.7	ug/l	1	3.25	50	M8270D	3/20/2012	3/20/2012	MJR	1
VOC's										
Benzene	4900	ug/l	25	80	50	8260B		3/23/2012	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		3/23/2012	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		3/23/2012	CJR	1
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		3/23/2012	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		3/23/2012	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		3/23/2012	CJR	1
n-Butylbenzene	< 45	ug/l	45	145	50	8260B		3/23/2012	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		3/23/2012	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		3/23/2012	CJR	1

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533A
Sample ID MW 101
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chloroethane	< 70	ug/l	70	225	50	8260B	3/23/2012	3/23/2012	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B	3/23/2012	3/23/2012	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B	3/23/2012	3/23/2012	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B	3/23/2012	3/23/2012	CJR	1
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B	3/23/2012	3/23/2012	CJR	1
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B	3/23/2012	3/23/2012	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B	3/23/2012	3/23/2012	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B	3/23/2012	3/23/2012	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B	3/23/2012	3/23/2012	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B	3/23/2012	3/23/2012	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B	3/23/2012	3/23/2012	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B	3/23/2012	3/23/2012	CJR	8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B	3/23/2012	3/23/2012	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B	3/23/2012	3/23/2012	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B	3/23/2012	3/23/2012	CJR	1
Ethylbenzene	298	ug/l	39	125	50	8260B	3/23/2012	3/23/2012	CJR	1
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B	3/23/2012	3/23/2012	CJR	1
Isopropylbenzene	< 46	ug/l	46	145	50	8260B	3/23/2012	3/23/2012	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B	3/23/2012	3/23/2012	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B	3/23/2012	3/23/2012	CJR	1
Methyl tert-butyl ether (MTBE)	240	ug/l	40	125	50	8260B	3/23/2012	3/23/2012	CJR	1
Naphthalene	130 "J"	ug/l	105	340	50	8260B	3/23/2012	3/23/2012	CJR	1
n-Propylbenzene	< 29.5	ug/l	29.5	95	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B	3/23/2012	3/23/2012	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B	3/23/2012	3/23/2012	CJR	1
Toluene	148	ug/l	26.5	85	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B	3/23/2012	3/23/2012	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B	3/23/2012	3/23/2012	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,4-Trimethylbenzene	330	ug/l	40	125	50	8260B	3/23/2012	3/23/2012	CJR	1
1,3,5-Trimethylbenzene	134	ug/l	37	120	50	8260B	3/23/2012	3/23/2012	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B	3/23/2012	3/23/2012	CJR	1
m&p-Xylene	770	ug/l	55	175	50	8260B	3/23/2012	3/23/2012	CJR	1
o-Xylene	72 "J"	ug/l	40	130	50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - Dibromofluoromethane	92	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - Toluene-d8	98	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533B
Sample ID MW 102
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.6 "J"	ug/l	0.25	0.82	10	M8270D	3/20/2012	3/21/2012	MJR	1
Acenaphthylene	< 0.19	ug/l	0.19	0.6	10	M8270D	3/20/2012	3/21/2012	MJR	1
Anthracene	< 0.18	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/21/2012	MJR	1
Benzo(a)anthracene	< 0.24	ug/l	0.24	0.75	10	M8270D	3/20/2012	3/21/2012	MJR	1
Benzo(a)pyrene	< 0.18	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/21/2012	MJR	1
Benzo(b)fluoranthene	< 0.2	ug/l	0.2	0.66	10	M8270D	3/20/2012	3/21/2012	MJR	1
Benzo(g,h,i)perylene	< 0.19	ug/l	0.19	0.6	10	M8270D	3/20/2012	3/21/2012	MJR	1
Benzo(k)fluoranthene	< 0.22	ug/l	0.22	0.72	10	M8270D	3/20/2012	3/21/2012	MJR	1
Chrysene	< 0.19	ug/l	0.19	0.59	10	M8270D	3/20/2012	3/21/2012	MJR	1
Dibenzo(a,h)anthracene	< 0.19	ug/l	0.19	0.61	10	M8270D	3/20/2012	3/21/2012	MJR	1
Fluoranthene	< 0.22	ug/l	0.22	0.69	10	M8270D	3/20/2012	3/21/2012	MJR	1
Fluorene	0.55 "J"	ug/l	0.2	0.64	10	M8270D	3/20/2012	3/21/2012	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.18	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/21/2012	MJR	1
1-Methyl naphthalene	2.33	ug/l	0.22	0.72	10	M8270D	3/20/2012	3/21/2012	MJR	1
2-Methyl naphthalene	0.41 "J"	ug/l	0.24	0.78	10	M8270D	3/20/2012	3/21/2012	MJR	1
Naphthalene	5.1	ug/l	0.21	0.67	10	M8270D	3/20/2012	3/21/2012	MJR	1
Phenanthrene	< 0.19	ug/l	0.19	0.62	10	M8270D	3/20/2012	3/21/2012	MJR	1
Pyrene	< 0.2	ug/l	0.2	0.65	10	M8270D	3/20/2012	3/21/2012	MJR	1
VOC's										
Benzene	4900	ug/l	25	80	50	8260B		3/23/2012	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		3/23/2012	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		3/23/2012	CJR	1
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		3/23/2012	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		3/23/2012	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		3/23/2012	CJR	1
n-Butylbenzene	52 "J"	ug/l	45	145	50	8260B		3/23/2012	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		3/23/2012	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		3/23/2012	CJR	1
Chloroethane	< 70	ug/l	70	225	50	8260B		3/23/2012	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B		3/23/2012	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B		3/23/2012	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B		3/23/2012	CJR	1
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B		3/23/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B		3/23/2012	CJR	1
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B		3/23/2012	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B		3/23/2012	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B		3/23/2012	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B		3/23/2012	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B		3/23/2012	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B		3/23/2012	CJR	1
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B		3/23/2012	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B		3/23/2012	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B		3/23/2012	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B		3/23/2012	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B		3/23/2012	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B		3/23/2012	CJR	8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B		3/23/2012	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B		3/23/2012	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		3/23/2012	CJR	1
Ethylbenzene	460	ug/l	39	125	50	8260B		3/23/2012	CJR	1

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533B
Sample ID MW 102
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B	3/23/2012	3/23/2012	CJR	1
Isopropylbenzene	< 46	ug/l	46	145	50	8260B	3/23/2012	3/23/2012	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B	3/23/2012	3/23/2012	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B	3/23/2012	3/23/2012	CJR	1
Methyl tert-butyl ether (MTBE)	410	ug/l	40	125	50	8260B	3/23/2012	3/23/2012	CJR	1
Naphthalene	224 "J"	ug/l	105	340	50	8260B	3/23/2012	3/23/2012	CJR	1
n-Propylbenzene	90 "J"	ug/l	29.5	95	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B	3/23/2012	3/23/2012	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B	3/23/2012	3/23/2012	CJR	1
Toluene	710	ug/l	26.5	85	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B	3/23/2012	3/23/2012	CJR	1
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B	3/23/2012	3/23/2012	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B	3/23/2012	3/23/2012	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B	3/23/2012	3/23/2012	CJR	1
1,2,4-Trimethylbenzene	1020	ug/l	40	125	50	8260B	3/23/2012	3/23/2012	CJR	1
1,3,5-Trimethylbenzene	291	ug/l	37	120	50	8260B	3/23/2012	3/23/2012	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B	3/23/2012	3/23/2012	CJR	1
m&p-Xylene	2290	ug/l	55	175	50	8260B	3/23/2012	3/23/2012	CJR	1
o-Xylene	710	ug/l	40	130	50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - Toluene-d8	97	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1
SUR - Dibromofluoromethane	93	REC %			50	8260B	3/23/2012	3/23/2012	CJR	1

Lab Code 5023533C
Sample ID MW 100
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	6.5	ug/l	0.25	0.82	10	M8270D	3/20/2012	3/20/2012	MJR	1
Acenaphthylene	1.47	ug/l	0.19	0.6	10	M8270D	3/20/2012	3/20/2012	MJR	1
Anthracene	1.17	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(a)anthracene	0.81	ug/l	0.24	0.75	10	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(a)pyrene	0.252 "J"	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(b)fluoranthene	0.46 "J"	ug/l	0.2	0.66	10	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(g,h,i)perylene	< 0.19	ug/l	0.19	0.6	10	M8270D	3/20/2012	3/20/2012	MJR	1
Benzo(k)fluoranthene	0.237 "J"	ug/l	0.22	0.72	10	M8270D	3/20/2012	3/20/2012	MJR	1
Chrysene	0.54 "J"	ug/l	0.19	0.59	10	M8270D	3/20/2012	3/20/2012	MJR	1
Dibenzo(a,h)anthracene	< 0.19	ug/l	0.19	0.61	10	M8270D	3/20/2012	3/20/2012	MJR	1
Fluoranthene	1.99	ug/l	0.22	0.69	10	M8270D	3/20/2012	3/20/2012	MJR	1
Fluorene	9.5	ug/l	0.2	0.64	10	M8270D	3/20/2012	3/20/2012	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.18	ug/l	0.18	0.58	10	M8270D	3/20/2012	3/20/2012	MJR	1
1-Methyl naphthalene	29.7	ug/l	0.22	0.72	10	M8270D	3/20/2012	3/20/2012	MJR	1
2-Methyl naphthalene	69	ug/l	0.24	0.78	10	M8270D	3/20/2012	3/20/2012	MJR	1
Naphthalene	53	ug/l	0.21	0.67	10	M8270D	3/20/2012	3/20/2012	MJR	1
Phenanthrene	17.3	ug/l	0.19	0.62	10	M8270D	3/20/2012	3/20/2012	MJR	1
Pyrene	2.4	ug/l	0.2	0.65	10	M8270D	3/20/2012	3/20/2012	MJR	1

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533C
Sample ID MW 100
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
VOC's										
Benzene	1290	ug/l	5	16	10	8260B		3/23/2012	CJR	1
Bromobenzene	< 7.4	ug/l	7.4	24	10	8260B		3/23/2012	CJR	1
Bromodichloromethane	< 6.8	ug/l	6.8	22	10	8260B		3/23/2012	CJR	1
Bromoform	< 4.3	ug/l	4.3	14	10	8260B		3/23/2012	CJR	1
tert-Butylbenzene	< 7.1	ug/l	7.1	23	10	8260B		3/23/2012	CJR	1
sec-Butylbenzene	< 10	ug/l	10	33	10	8260B		3/23/2012	CJR	1
n-Butylbenzene	16.4 "J"	ug/l	9	29	10	8260B		3/23/2012	CJR	1
Carbon Tetrachloride	< 4.7	ug/l	4.7	15	10	8260B		3/23/2012	CJR	1
Chlorobenzene	< 5.1	ug/l	5.1	16	10	8260B		3/23/2012	CJR	1
Chloroethane	< 14	ug/l	14	45	10	8260B		3/23/2012	CJR	1
Chloroform	< 4.9	ug/l	4.9	15	10	8260B		3/23/2012	CJR	1
Chloromethane	< 19	ug/l	19	61	10	8260B		3/23/2012	CJR	1
2-Chlorotoluene	< 7	ug/l	7	22	10	8260B		3/23/2012	CJR	1
4-Chlorotoluene	< 4.4	ug/l	4.4	14	10	8260B		3/23/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	89	10	8260B		3/23/2012	CJR	1
Dibromochloromethane	< 5.5	ug/l	5.5	18	10	8260B		3/23/2012	CJR	1
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		3/23/2012	CJR	1
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	10	8260B		3/23/2012	CJR	1
1,2-Dichlorobenzene	< 7.6	ug/l	7.6	24	10	8260B		3/23/2012	CJR	1
Dichlorodifluoromethane	< 18	ug/l	18	59	10	8260B		3/23/2012	CJR	1
1,2-Dichloroethane	< 5	ug/l	5	16	10	8260B		3/23/2012	CJR	1
1,1-Dichloroethane	< 9.8	ug/l	9.8	31	10	8260B		3/23/2012	CJR	1
1,1-Dichloroethene	< 6	ug/l	6	19	10	8260B		3/23/2012	CJR	1
cis-1,2-Dichloroethene	< 7.4	ug/l	7.4	24	10	8260B		3/23/2012	CJR	1
trans-1,2-Dichloroethene	< 7.9	ug/l	7.9	25	10	8260B		3/23/2012	CJR	1
1,2-Dichloropropane	< 4	ug/l	4	13	10	8260B		3/23/2012	CJR	1
2,2-Dichloropropane	< 19	ug/l	19	59	10	8260B		3/23/2012	CJR	8
1,3-Dichloropropane	< 7.1	ug/l	7.1	23	10	8260B		3/23/2012	CJR	1
Di-isopropyl ether	< 6.9	ug/l	6.9	22	10	8260B		3/23/2012	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		3/23/2012	CJR	1
Ethylbenzene	264	ug/l	7.8	25	10	8260B		3/23/2012	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	68	10	8260B		3/23/2012	CJR	1
Isopropylbenzene	< 9.2	ug/l	9.2	29	10	8260B		3/23/2012	CJR	1
p-Isopropyltoluene	< 9.2	ug/l	9.2	29	10	8260B		3/23/2012	CJR	1
Methylene chloride	< 11	ug/l	11	34	10	8260B		3/23/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 8	ug/l	8	25	10	8260B		3/23/2012	CJR	1
Naphthalene	57 "J"	ug/l	21	68	10	8260B		3/23/2012	CJR	1
n-Propylbenzene	14.4 "J"	ug/l	5.9	19	10	8260B		3/23/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 5.3	ug/l	5.3	17	10	8260B		3/23/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 10	ug/l	10	32	10	8260B		3/23/2012	CJR	1
Tetrachloroethene	< 4.4	ug/l	4.4	14	10	8260B		3/23/2012	CJR	1
Toluene	66	ug/l	5.3	17	10	8260B		3/23/2012	CJR	1
1,2,4-Trichlorobenzene	< 15	ug/l	15	46	10	8260B		3/23/2012	CJR	1
1,2,3-Trichlorobenzene	< 13	ug/l	13	42	10	8260B		3/23/2012	CJR	1
1,1,1-Trichloroethane	< 8.5	ug/l	8.5	27	10	8260B		3/23/2012	CJR	1
1,1,2-Trichloroethane	< 4.7	ug/l	4.7	15	10	8260B		3/23/2012	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		3/23/2012	CJR	1
Trichlorofluoromethane	< 17	ug/l	17	53	10	8260B		3/23/2012	CJR	1
1,2,4-Trimethylbenzene	185	ug/l	8	25	10	8260B		3/23/2012	CJR	1
1,3,5-Trimethylbenzene	115	ug/l	7.4	24	10	8260B		3/23/2012	CJR	1
Vinyl Chloride	< 1.8	ug/l	1.8	5.6	10	8260B		3/23/2012	CJR	1

Project Name MILWAUKEE SOUTH MANIFOLD
Project # 014-002-008

Invoice # E23533

Lab Code 5023533C
Sample ID MW 100
Sample Matrix Water
Sample Date 3/14/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	390	ug/l	11	35	10	8260B		3/23/2012	CJR	1
o-Xylene	18.8 "J"	ug/l	8	26	10	8260B		3/23/2012	CJR	1
SUR - Toluene-d8	95	REC %			10	8260B		3/23/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			10	8260B		3/23/2012	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			10	8260B		3/23/2012	CJR	1
SUR - Dibromofluoromethane	93	REC %			10	8260B		3/23/2012	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 8 Closing calibration standard not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature Michael J. Ricker

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
HALES CORNERS, WI 53130

Report Date 30-May-13

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207A
Sample ID MW-105
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	2.94	ug/l	0.21	0.68	10	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	0.66	ug/l	0.2	0.63	10	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	< 0.2	ug/l	0.2	0.64	10	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	< 0.18	ug/l	0.18	0.58	10	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	< 0.2	ug/l	0.2	0.63	10	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	< 0.23	ug/l	0.23	0.75	10	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	< 0.27	ug/l	0.27	0.87	10	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	< 0.18	ug/l	0.18	0.58	10	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.23	ug/l	0.23	0.72	10	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	< 0.26	ug/l	0.26	0.84	10	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	3.5	ug/l	0.2	0.63	10	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.27	ug/l	0.27	0.85	10	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	50	ug/l	0.19	0.61	10	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	11.9	ug/l	0.16	0.52	10	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	4.4	ug/l	0.23	0.75	10	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	1.71	ug/l	0.18	0.59	10	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	< 0.25	ug/l	0.25	0.8	10	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	690	ug/l	2.4	7.7	10	8260B		5/28/2013	CJR	1
Ethylbenzene	69	ug/l	5.5	17	10	8260B		5/28/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.3	ug/l	2.3	7.4	10	8260B		5/28/2013	CJR	1
Toluene	38	ug/l	6.9	22	10	8260B		5/28/2013	CJR	1
1,2,4-Trimethylbenzene	85	ug/l	22	69	10	8260B		5/28/2013	CJR	1
1,3,5-Trimethylbenzene	33 "J"	ug/l	14	45	10	8260B		5/28/2013	CJR	1
m&p-Xylene	230	ug/l	6.9	22	10	8260B		5/28/2013	CJR	1
o-Xylene	24.2	ug/l	6.3	20	10	8260B		5/28/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207B
Sample ID MW-103
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.88	ug/l	0.042	0.136	2	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	0.213	ug/l	0.04	0.126	2	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	0.1 "J"	ug/l	0.04	0.128	2	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	0.264	ug/l	0.05	0.156	2	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	0.41	ug/l	0.036	0.116	2	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	0.72	ug/l	0.04	0.126	2	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	0.53	ug/l	0.046	0.15	2	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	0.285	ug/l	0.054	0.174	2	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	0.45	ug/l	0.036	0.116	2	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	0.098 "J"	ug/l	0.046	0.144	2	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	0.6	ug/l	0.052	0.168	2	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	0.75	ug/l	0.04	0.126	2	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	0.41	ug/l	0.054	0.17	2	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	15.8	ug/l	0.038	0.122	2	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	5.8	ug/l	0.032	0.104	2	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	14	ug/l	0.046	0.15	2	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	1.64	ug/l	0.036	0.118	2	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	0.56	ug/l	0.05	0.16	2	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	330	ug/l	2.4	7.7	10	8260B		5/28/2013	CJR	1
Ethylbenzene	243	ug/l	5.5	17	10	8260B		5/28/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.3	ug/l	2.3	7.4	10	8260B		5/28/2013	CJR	1
Toluene	21.9 "J"	ug/l	6.9	22	10	8260B		5/28/2013	CJR	1
1,2,4-Trimethylbenzene	< 22	ug/l	22	69	10	8260B		5/28/2013	CJR	1
1,3,5-Trimethylbenzene	17.9 "J"	ug/l	14	45	10	8260B		5/28/2013	CJR	1
m&p-Xylene	77	ug/l	6.9	22	10	8260B		5/28/2013	CJR	1
o-Xylene	< 6.3	ug/l	6.3	20	10	8260B		5/28/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207C
Sample ID MW-104
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	5/24/2013	5/24/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	5/24/2013	5/24/2013	MDK	2
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	5/24/2013	5/24/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	5/24/2013	5/24/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	5/24/2013	5/24/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	5/24/2013	5/24/2013	MDK	2
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	5/24/2013	5/24/2013	MDK	1
1-Methyl naphthalene	0.020 "J"	ug/l	0.019	0.061	1	M8270D	5/24/2013	5/24/2013	MDK	1
2-Methyl naphthalene	0.017 "J"	ug/l	0.016	0.052	1	M8270D	5/24/2013	5/24/2013	MDK	1
Naphthalene	0.033 "J"	ug/l	0.023	0.075	1	M8270D	5/24/2013	5/24/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	5/24/2013	5/24/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	5/24/2013	5/24/2013	MDK	2
PVOC										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		5/29/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		5/29/2013	CJR	1
Methyl tert-butyl ether (MTBE)	0.26 "J"	ug/l	0.23	0.74	1	8260B		5/29/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		5/29/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		5/29/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		5/29/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/29/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/29/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207D
Sample ID MW-102
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	3.01	ug/l	0.42	1.36	20	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	0.86 "J"	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	0.68 "J"	ug/l	0.4	1.28	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	< 0.5	ug/l	0.5	1.56	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	< 0.36	ug/l	0.36	1.16	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	< 0.4	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	< 0.46	ug/l	0.46	1.5	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	< 0.36	ug/l	0.36	1.16	20	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.46	ug/l	0.46	1.44	20	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	0.53 "J"	ug/l	0.52	1.68	20	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	5.0	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.7	20	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	99	ug/l	0.38	1.22	20	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	184	ug/l	0.32	1.04	20	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	184	ug/l	0.46	1.5	20	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	7.8	ug/l	0.36	1.18	20	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	1.09 "J"	ug/l	0.5	1.6	20	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	7500	ug/l	12	38.5	50	8260B		5/24/2013	CJR	1
Ethylbenzene	580	ug/l	27.5	85	50	8260B		5/24/2013	CJR	1
Methyl tert-butyl ether (MTBE)	590	ug/l	11.5	37	50	8260B		5/24/2013	CJR	1
Toluene	590	ug/l	34.5	110	50	8260B		5/24/2013	CJR	1
1,2,4-Trimethylbenzene	1000	ug/l	110	345	50	8260B		5/24/2013	CJR	1
1,3,5-Trimethylbenzene	272	ug/l	70	225	50	8260B		5/24/2013	CJR	1
m&p-Xylene	2350	ug/l	34.5	110	50	8260B		5/24/2013	CJR	1
o-Xylene	740	ug/l	31.5	100	50	8260B		5/24/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207E
Sample ID EP-02
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 1.05	ug/l	1.05	3.4	50	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	< 1	ug/l	1	3.15	50	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	< 1	ug/l	1	3.2	50	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	< 1.25	ug/l	1.25	3.9	50	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	< 0.9	ug/l	0.9	2.9	50	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	< 1	ug/l	1	3.15	50	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	< 1.15	ug/l	1.15	3.75	50	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	< 1.35	ug/l	1.35	4.35	50	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	< 0.9	ug/l	0.9	2.9	50	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	< 1.15	ug/l	1.15	3.6	50	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	< 1.3	ug/l	1.3	4.2	50	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	1.46 "J"	ug/l	1	3.15	50	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.35	ug/l	1.35	4.25	50	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	72	ug/l	0.95	3.05	50	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	134	ug/l	0.8	2.6	50	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	330	ug/l	1.15	3.75	50	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	1.92 "J"	ug/l	0.9	2.95	50	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	< 1.25	ug/l	1.25	4	50	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	17100	ug/l	24	77	100	8260B		5/24/2013	CJR	1
Ethylbenzene	1540	ug/l	55	170	100	8260B		5/24/2013	CJR	1
Methyl tert-butyl ether (MTBE)	490	ug/l	23	74	100	8260B		5/24/2013	CJR	1
Toluene	2170	ug/l	69	220	100	8260B		5/24/2013	CJR	1
1,2,4-Trimethylbenzene	1210	ug/l	220	690	100	8260B		5/24/2013	CJR	1
1,3,5-Trimethylbenzene	301 "J"	ug/l	140	450	100	8260B		5/24/2013	CJR	1
m&p-Xylene	5300	ug/l	69	220	100	8260B		5/24/2013	CJR	1
o-Xylene	1570	ug/l	63	200	100	8260B		5/24/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
 Project # 014-002-010

Invoice # E25207

Lab Code 5025207F
 Sample ID MW-100
 Sample Matrix Water
 Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	2.64	ug/l	0.105	0.34	5	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	0.5	ug/l	0.1	0.315	5	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	0.76	ug/l	0.1	0.32	5	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	0.153 "J"	ug/l	0.125	0.39	5	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	< 0.09	ug/l	0.09	0.29	5	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	< 0.1	ug/l	0.1	0.315	5	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	< 0.115	ug/l	0.115	0.375	5	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	< 0.135	ug/l	0.135	0.435	5	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	0.12 "J"	ug/l	0.09	0.29	5	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.115	ug/l	0.115	0.36	5	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	0.39 "J"	ug/l	0.13	0.42	5	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	2.92	ug/l	0.1	0.315	5	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.135	ug/l	0.135	0.425	5	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	21.6	ug/l	0.095	0.305	5	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	1.9	ug/l	0.08	0.26	5	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	31.3	ug/l	0.115	0.375	5	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	3.08	ug/l	0.09	0.295	5	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	0.49	ug/l	0.125	0.4	5	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	1500	ug/l	4.8	15.4	20	8260B		5/28/2013	CJR	1
Ethylbenzene	590	ug/l	11	34	20	8260B		5/28/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	14.8	20	8260B		5/28/2013	CJR	1
Toluene	63	ug/l	13.8	44	20	8260B		5/28/2013	CJR	1
1,2,4-Trimethylbenzene	283	ug/l	44	138	20	8260B		5/28/2013	CJR	1
1,3,5-Trimethylbenzene	< 28	ug/l	28	90	20	8260B		5/28/2013	CJR	1
m&p-Xylene	470	ug/l	13.8	44	20	8260B		5/28/2013	CJR	1
o-Xylene	19.4 "J"	ug/l	12.6	40	20	8260B		5/28/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
Project # 014-002-010

Invoice # E25207

Lab Code 5025207G
Sample ID MW-101
Sample Matrix Water
Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	2.6	ug/l	0.42	1.36	20	M8270D	5/24/2013	5/28/2013	MDK	1
Acenaphthylene	0.59 "J"	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Anthracene	< 0.4	ug/l	0.4	1.28	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)anthracene	< 0.5	ug/l	0.5	1.56	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(a)pyrene	< 0.36	ug/l	0.36	1.16	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(b)fluoranthene	< 0.4	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(g,h,i)perylene	< 0.46	ug/l	0.46	1.5	20	M8270D	5/24/2013	5/28/2013	MDK	1
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	5/24/2013	5/28/2013	MDK	1
Chrysene	< 0.36	ug/l	0.36	1.16	20	M8270D	5/24/2013	5/28/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.46	ug/l	0.46	1.44	20	M8270D	5/24/2013	5/28/2013	MDK	1
Fluoranthene	< 0.52	ug/l	0.52	1.68	20	M8270D	5/24/2013	5/28/2013	MDK	1
Fluorene	2.92	ug/l	0.4	1.26	20	M8270D	5/24/2013	5/28/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.7	20	M8270D	5/24/2013	5/28/2013	MDK	1
1-Methyl naphthalene	49	ug/l	0.38	1.22	20	M8270D	5/24/2013	5/28/2013	MDK	1
2-Methyl naphthalene	46	ug/l	0.32	1.04	20	M8270D	5/24/2013	5/28/2013	MDK	1
Naphthalene	88	ug/l	0.46	1.5	20	M8270D	5/24/2013	5/28/2013	MDK	1
Phenanthrene	2.21	ug/l	0.36	1.18	20	M8270D	5/24/2013	5/28/2013	MDK	1
Pyrene	< 0.5	ug/l	0.5	1.6	20	M8270D	5/24/2013	5/28/2013	MDK	1
PVOC										
Benzene	5000	ug/l	12	38.5	50	8260B		5/24/2013	CJR	1
Ethylbenzene	520	ug/l	27.5	85	50	8260B		5/24/2013	CJR	1
Methyl tert-butyl ether (MTBE)	220	ug/l	11.5	37	50	8260B		5/24/2013	CJR	1
Toluene	150	ug/l	34.5	110	50	8260B		5/24/2013	CJR	1
1,2,4-Trimethylbenzene	340 "J"	ug/l	110	345	50	8260B		5/24/2013	CJR	1
1,3,5-Trimethylbenzene	116 "J"	ug/l	70	225	50	8260B		5/24/2013	CJR	1
m&p-Xylene	770	ug/l	34.5	110	50	8260B		5/24/2013	CJR	1
o-Xylene	58 "J"	ug/l	31.5	100	50	8260B		5/24/2013	CJR	1

Project Name US OIL MKE SOUTH MANIFOLD
 Project # 014-002-010

Invoice # E25207

Lab Code 5025207H
 Sample ID EP-05
 Sample Matrix Water
 Sample Date 5/21/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	5/24/2013	5/24/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	5/24/2013	5/24/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	5/24/2013	5/24/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	5/24/2013	5/24/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	5/24/2013	5/24/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	5/24/2013	5/24/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	5/24/2013	5/24/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	5/24/2013	5/24/2013	MDK	1
1-Methyl naphthalene	< 0.019	ug/l	0.019	0.061	1	M8270D	5/24/2013	5/24/2013	MDK	1
2-Methyl naphthalene	< 0.016	ug/l	0.016	0.052	1	M8270D	5/24/2013	5/24/2013	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.075	1	M8270D	5/24/2013	5/24/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	5/24/2013	5/24/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	5/24/2013	5/24/2013	MDK	1
PVOC										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		5/28/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		5/28/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		5/28/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		5/28/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		5/28/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		5/28/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		5/28/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		5/28/2013	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

- 1 Laboratory QC within limits.
- 2 Relative percent difference failed for laboratory spiked samples.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
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Report Date 24-May-13

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140A
Sample ID B-103 9-10'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.0	%			1	5021		5/13/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/15/2013	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/16/2013	CJR	1
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)anthracene	< 22.9	ug/kg	22.9	72.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)pyrene	< 17.4	ug/kg	17.4	55.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(b)fluoranthene	< 19.6	ug/kg	19.6	62.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(g,h,i)perylene	< 22.7	ug/kg	22.7	72.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(k)fluoranthene	< 21.6	ug/kg	21.6	68.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
Chrysene	< 18.1	ug/kg	18.1	57.7	1	M8270D	5/13/2013	5/14/2013	MDK	1
Dibenzo(a,h)anthracene	< 22.3	ug/kg	22.3	71	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluoranthene	< 21.1	ug/kg	21.1	67.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 23.9	ug/kg	23.9	76.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
1-Methyl naphthalene	< 20.7	ug/kg	20.7	65.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
2-Methyl naphthalene	< 20.6	ug/kg	20.6	65.4	1	M8270D	5/13/2013	5/14/2013	MDK	1
Naphthalene	< 22.1	ug/kg	22.1	70.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Phenanthrene	< 22.4	ug/kg	22.4	71.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Pyrene	< 23.1	ug/kg	23.1	73.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
VOC's										
Benzene	330	ug/kg	9.2	29	1	8260B		5/13/2013	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		5/13/2013	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		5/13/2013	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		5/13/2013	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140A
Sample ID B-103 9-10'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		5/13/2013	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		5/13/2013	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		5/13/2013	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		5/13/2013	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		5/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		5/13/2013	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		5/13/2013	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		5/13/2013	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		5/13/2013	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		5/13/2013	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		5/13/2013	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		5/13/2013	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		5/13/2013	CJR	1
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		5/13/2013	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		5/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1
Ethylbenzene	370	ug/kg	10	33	1	8260B		5/13/2013	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		5/13/2013	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		5/13/2013	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		5/13/2013	CJR	1
Naphthalene	< 114	ug/kg	114	363	1	8260B		5/13/2013	CJR	1
n-Propylbenzene	26.3 "J"	ug/kg	24	75	1	8260B		5/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		5/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Toluene	37 "J"	ug/kg	20	65	1	8260B		5/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		5/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		5/13/2013	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		5/13/2013	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		5/13/2013	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		5/13/2013	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
m&p-Xylene	250	ug/kg	68	216	1	8260B		5/13/2013	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	90	Rec %			1	8260B		5/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		5/13/2013	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		5/13/2013	CJR	1
SUR - Toluene-d8	100	Rec %			1	8260B		5/13/2013	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140B
Sample ID B-104 10-12'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.6	%			1	5021		5/13/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/15/2013	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/16/2013	CJR	1
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)anthracene	< 22.9	ug/kg	22.9	72.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)pyrene	< 17.4	ug/kg	17.4	55.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(b)fluoranthene	< 19.6	ug/kg	19.6	62.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(g,h,i)perylene	< 22.7	ug/kg	22.7	72.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(k)fluoranthene	< 21.6	ug/kg	21.6	68.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
Chrysene	< 18.1	ug/kg	18.1	57.7	1	M8270D	5/13/2013	5/14/2013	MDK	1
Dibenzo(a,h)anthracene	< 22.3	ug/kg	22.3	71	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluoranthene	< 21.1	ug/kg	21.1	67.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 23.9	ug/kg	23.9	76.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
1-Methyl naphthalene	< 20.7	ug/kg	20.7	65.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
2-Methyl naphthalene	< 20.6	ug/kg	20.6	65.4	1	M8270D	5/13/2013	5/14/2013	MDK	1
Naphthalene	70 "J"	ug/kg	22.1	70.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Phenanthrene	< 22.4	ug/kg	22.4	71.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Pyrene	< 23.1	ug/kg	23.1	73.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		5/13/2013	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		5/13/2013	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		5/13/2013	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		5/13/2013	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		5/13/2013	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		5/13/2013	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		5/13/2013	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		5/13/2013	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		5/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		5/13/2013	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		5/13/2013	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		5/13/2013	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		5/13/2013	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		5/13/2013	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		5/13/2013	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		5/13/2013	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		5/13/2013	CJR	1
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		5/13/2013	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		5/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140B
Sample ID B-104 10-12'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	23.3 "J"	ug/kg	10	33	1	8260B		5/13/2013	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		5/13/2013	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		5/13/2013	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		5/13/2013	CJR	1
Naphthalene	< 114	ug/kg	114	363	1	8260B		5/13/2013	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		5/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		5/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		5/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		5/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		5/13/2013	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		5/13/2013	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		5/13/2013	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		5/13/2013	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		5/13/2013	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
SUR - Toluene-d8	102	Rec %			1	8260B		5/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		5/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		5/13/2013	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		5/13/2013	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140C
Sample ID B-105 10-12'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.6	%			1	5021		5/13/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/15/2013	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/16/2013	CJR	1
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)anthracene	< 22.9	ug/kg	22.9	72.9	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(a)pyrene	< 17.4	ug/kg	17.4	55.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(b)fluoranthene	< 19.6	ug/kg	19.6	62.3	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(g,h,i)perylene	< 22.7	ug/kg	22.7	72.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Benzo(k)fluoranthene	< 21.6	ug/kg	21.6	68.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
Chrysene	< 18.1	ug/kg	18.1	57.7	1	M8270D	5/13/2013	5/14/2013	MDK	1
Dibenzo(a,h)anthracene	< 22.3	ug/kg	22.3	71	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluoranthene	< 21.1	ug/kg	21.1	67.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 23.9	ug/kg	23.9	76.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
1-Methyl naphthalene	51 "J"	ug/kg	20.7	65.8	1	M8270D	5/13/2013	5/14/2013	MDK	1
2-Methyl naphthalene	63 "J"	ug/kg	20.6	65.4	1	M8270D	5/13/2013	5/14/2013	MDK	1
Naphthalene	< 22.1	ug/kg	22.1	70.2	1	M8270D	5/13/2013	5/14/2013	MDK	1
Phenanthrene	< 22.4	ug/kg	22.4	71.1	1	M8270D	5/13/2013	5/14/2013	MDK	1
Pyrene	< 23.1	ug/kg	23.1	73.6	1	M8270D	5/13/2013	5/14/2013	MDK	1
VOC's										
Benzene	12.6 "J"	ug/kg	9.2	29	1	8260B		5/13/2013	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		5/13/2013	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		5/13/2013	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		5/13/2013	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		5/13/2013	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		5/13/2013	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		5/13/2013	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		5/13/2013	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		5/13/2013	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		5/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		5/13/2013	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		5/13/2013	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		5/13/2013	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		5/13/2013	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		5/13/2013	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		5/13/2013	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		5/13/2013	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		5/13/2013	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		5/13/2013	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		5/13/2013	CJR	1
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		5/13/2013	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		5/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		5/13/2013	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E25140

Lab Code 5025140C
Sample ID B-105 10-12'
Sample Matrix Soil
Sample Date 5/7/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		5/13/2013	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		5/13/2013	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		5/13/2013	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		5/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		5/13/2013	CJR	1
Naphthalene	< 114	ug/kg	114	363	1	8260B		5/13/2013	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		5/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		5/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		5/13/2013	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		5/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		5/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		5/13/2013	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		5/13/2013	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		5/13/2013	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		5/13/2013	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		5/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		5/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		5/13/2013	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		5/13/2013	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		5/13/2013	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		5/13/2013	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		5/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		5/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		5/13/2013	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		5/13/2013	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS LLC
12065 WEST JANESVILLE ROAD
HALES CORNERS, WI 53130

Report Date 27-Aug-13

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E25621

Lab Code 5025621A
Sample ID EP-05
Sample Matrix Water
Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	< 0.019	ug/l	0.019	0.061	1	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	< 0.016	ug/l	0.016	0.052	1	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.075	1	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	8/22/2013	8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E25621

Lab Code 5025621B
Sample ID EP-02
Sample Matrix Water
Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.3 "J"	ug/l	1.05	3.4	50	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	< 1	ug/l	1	3.15	50	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 1	ug/l	1	3.2	50	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 1.25	ug/l	1.25	3.9	50	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.9	ug/l	0.9	2.9	50	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 1	ug/l	1	3.15	50	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 1.15	ug/l	1.15	3.75	50	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 1.35	ug/l	1.35	4.35	50	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.9	ug/l	0.9	2.9	50	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 1.15	ug/l	1.15	3.6	50	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	< 1.3	ug/l	1.3	4.2	50	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	2.15 "J"	ug/l	1	3.15	50	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.35	ug/l	1.35	4.25	50	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	79	ug/l	0.95	3.05	50	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	154	ug/l	0.8	2.6	50	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	268	ug/l	1.15	3.75	50	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	4.8	ug/l	0.9	2.95	50	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	< 1.25	ug/l	1.25	4	50	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	17300	ug/l	13.5	42.5	50	GRO95/8021	8/22/2013	8/22/2013	CJR	3
Ethylbenzene	1340	ug/l	41	130	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	580	ug/l	18.5	60	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
Toluene	1270	ug/l	40	130	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
1,2,4-Trimethylbenzene	1010	ug/l	41.5	130	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
1,3,5-Trimethylbenzene	340	ug/l	43	135	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
m&p-Xylene	4800	ug/l	80	260	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1
o-Xylene	1230	ug/l	40.5	130	50	GRO95/8021	8/22/2013	8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-010

Invoice # E25621

Lab Code 5025621C
 Sample ID MW-104
 Sample Matrix Water
 Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	< 0.019	ug/l	0.019	0.061	1	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	< 0.016	ug/l	0.016	0.052	1	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.075	1	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		8/22/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		8/22/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		8/22/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		8/22/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		8/22/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		8/22/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-010

Invoice # E25621

Lab Code 5025621D
 Sample ID MW-103
 Sample Matrix Water
 Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.084 "J"	ug/l	0.042	0.136	2	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	< 0.04	ug/l	0.04	0.126	2	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 0.04	ug/l	0.04	0.128	2	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	0.077 "J"	ug/l	0.05	0.156	2	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	0.081 "J"	ug/l	0.036	0.116	2	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	0.149	ug/l	0.04	0.126	2	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	0.108 "J"	ug/l	0.046	0.15	2	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.054	ug/l	0.054	0.174	2	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	0.093 "J"	ug/l	0.036	0.116	2	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.046	ug/l	0.046	0.144	2	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	0.142 "J"	ug/l	0.052	0.168	2	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	< 0.04	ug/l	0.04	0.126	2	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	0.086 "J"	ug/l	0.054	0.17	2	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	0.058 "J"	ug/l	0.038	0.122	2	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	0.046 "J"	ug/l	0.032	0.104	2	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	0.11 "J"	ug/l	0.046	0.15	2	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	0.087 "J"	ug/l	0.036	0.118	2	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	0.141 "J"	ug/l	0.05	0.16	2	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	306	ug/l	2.7	8.5	10	GRO95/8021		8/22/2013	CJR	1
Ethylbenzene	< 8.2	ug/l	8.2	26	10	GRO95/8021		8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	20.6	ug/l	3.7	12	10	GRO95/8021		8/22/2013	CJR	1
Toluene	< 8	ug/l	8	26	10	GRO95/8021		8/22/2013	CJR	1
1,2,4-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		8/22/2013	CJR	1
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		8/22/2013	CJR	1
m&p-Xylene	< 16	ug/l	16	52	10	GRO95/8021		8/22/2013	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E25621

Lab Code 5025621E
Sample ID MW-102
Sample Matrix Water
Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	3.8	ug/l	0.42	1.36	20	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	1.33	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	0.65 "J"	ug/l	0.4	1.28	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 0.5	ug/l	0.5	1.56	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.36	ug/l	0.36	1.16	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 0.4	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.46	ug/l	0.46	1.5	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.36	ug/l	0.36	1.16	20	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.46	ug/l	0.46	1.44	20	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	0.78 "J"	ug/l	0.52	1.68	20	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	9.0	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.7	20	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	115	ug/l	0.38	1.22	20	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	196	ug/l	0.32	1.04	20	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	197	ug/l	0.46	1.5	20	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	14	ug/l	0.36	1.18	20	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	2.27	ug/l	0.5	1.6	20	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	9800	ug/l	13.5	42.5	50	GRO95/8021		8/22/2013	CJR	1
Ethylbenzene	840	ug/l	41	130	50	GRO95/8021		8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	610	ug/l	18.5	60	50	GRO95/8021		8/22/2013	CJR	1
Toluene	1560	ug/l	40	130	50	GRO95/8021		8/22/2013	CJR	1
1,2,4-Trimethylbenzene	860	ug/l	41.5	130	50	GRO95/8021		8/22/2013	CJR	1
1,3,5-Trimethylbenzene	290	ug/l	43	135	50	GRO95/8021		8/22/2013	CJR	1
m&p-Xylene	3200	ug/l	80	260	50	GRO95/8021		8/22/2013	CJR	1
o-Xylene	1100	ug/l	40.5	130	50	GRO95/8021		8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-010

Invoice # E25621

Lab Code 5025621F
 Sample ID MW-101
 Sample Matrix Water
 Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.91	ug/l	0.42	1.36	20	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	< 0.4	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 0.4	ug/l	0.4	1.28	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 0.5	ug/l	0.5	1.56	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.36	ug/l	0.36	1.16	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 0.4	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.46	ug/l	0.46	1.5	20	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.36	ug/l	0.36	1.16	20	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.46	ug/l	0.46	1.44	20	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	< 0.52	ug/l	0.52	1.68	20	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	2.05	ug/l	0.4	1.26	20	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.7	20	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	30.6	ug/l	0.38	1.22	20	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	11.6	ug/l	0.32	1.04	20	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	58	ug/l	0.46	1.5	20	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	0.86 "J"	ug/l	0.36	1.18	20	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	< 0.5	ug/l	0.5	1.6	20	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	5200	ug/l	13.5	42.5	50	GRO95/8021		8/22/2013	CJR	1
Ethylbenzene	490	ug/l	41	130	50	GRO95/8021		8/22/2013	CJR	1
Methyl tert-butyl ether (MTBE)	256	ug/l	18.5	60	50	GRO95/8021		8/22/2013	CJR	1
Toluene	133	ug/l	40	130	50	GRO95/8021		8/22/2013	CJR	1
1,2,4-Trimethylbenzene	300	ug/l	41.5	130	50	GRO95/8021		8/22/2013	CJR	1
1,3,5-Trimethylbenzene	118 "J"	ug/l	43	135	50	GRO95/8021		8/22/2013	CJR	1
m&p-Xylene	540	ug/l	80	260	50	GRO95/8021		8/22/2013	CJR	1
o-Xylene	112 "J"	ug/l	40.5	130	50	GRO95/8021		8/22/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E25621

Lab Code 5025621G
Sample ID MW-100
Sample Matrix Water
Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.67	ug/l	0.105	0.34	5	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	0.32	ug/l	0.1	0.315	5	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	0.106 "J"	ug/l	0.1	0.32	5	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	0.162 "J"	ug/l	0.125	0.39	5	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	0.12 "J"	ug/l	0.09	0.29	5	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	0.186 "J"	ug/l	0.1	0.315	5	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.115	ug/l	0.115	0.375	5	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.135	ug/l	0.135	0.435	5	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	0.169 "J"	ug/l	0.09	0.29	5	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.115	ug/l	0.115	0.36	5	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	0.52	ug/l	0.13	0.42	5	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	2.01	ug/l	0.1	0.315	5	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.135	ug/l	0.135	0.425	5	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	16.7	ug/l	0.095	0.305	5	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	0.171 "J"	ug/l	0.08	0.26	5	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	17.7	ug/l	0.115	0.375	5	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	1.77	ug/l	0.09	0.295	5	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	0.53	ug/l	0.125	0.4	5	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	1420	ug/l	2.7	8.5	10	GRO95/8021		8/23/2013	CJR	1
Ethylbenzene	238	ug/l	8.2	26	10	GRO95/8021		8/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	12.2	ug/l	3.7	12	10	GRO95/8021		8/23/2013	CJR	1
Toluene	39	ug/l	8	26	10	GRO95/8021		8/23/2013	CJR	1
1,2,4-Trimethylbenzene	131	ug/l	8.3	26	10	GRO95/8021		8/23/2013	CJR	1
1,3,5-Trimethylbenzene	43	ug/l	8.6	27	10	GRO95/8021		8/23/2013	CJR	1
m&p-Xylene	174	ug/l	16	52	10	GRO95/8021		8/23/2013	CJR	1
o-Xylene	13.9 "J"	ug/l	8.1	26	10	GRO95/8021		8/23/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E25621

Lab Code 5025621H
Sample ID MW-105
Sample Matrix Water
Sample Date 8/15/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.26	ug/l	0.21	0.68	10	M8270D	8/22/2013	8/23/2013	MDK	1
Acenaphthylene	0.204 "J"	ug/l	0.2	0.63	10	M8270D	8/22/2013	8/23/2013	MDK	1
Anthracene	< 0.2	ug/l	0.2	0.64	10	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(a)pyrene	< 0.18	ug/l	0.18	0.58	10	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(b)fluoranthene	< 0.2	ug/l	0.2	0.63	10	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(g,h,i)perylene	< 0.23	ug/l	0.23	0.75	10	M8270D	8/22/2013	8/23/2013	MDK	1
Benzo(k)fluoranthene	< 0.27	ug/l	0.27	0.87	10	M8270D	8/22/2013	8/23/2013	MDK	1
Chrysene	< 0.18	ug/l	0.18	0.58	10	M8270D	8/22/2013	8/23/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.23	ug/l	0.23	0.72	10	M8270D	8/22/2013	8/23/2013	MDK	1
Fluoranthene	< 0.26	ug/l	0.26	0.84	10	M8270D	8/22/2013	8/23/2013	MDK	1
Fluorene	1.37	ug/l	0.2	0.63	10	M8270D	8/22/2013	8/23/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.27	ug/l	0.27	0.85	10	M8270D	8/22/2013	8/23/2013	MDK	1
1-Methyl naphthalene	12.3	ug/l	0.19	0.61	10	M8270D	8/22/2013	8/23/2013	MDK	1
2-Methyl naphthalene	0.59	ug/l	0.16	0.52	10	M8270D	8/22/2013	8/23/2013	MDK	1
Naphthalene	8.8	ug/l	0.23	0.75	10	M8270D	8/22/2013	8/23/2013	MDK	1
Phenanthrene	0.88	ug/l	0.18	0.59	10	M8270D	8/22/2013	8/23/2013	MDK	1
Pyrene	< 0.25	ug/l	0.25	0.8	10	M8270D	8/22/2013	8/23/2013	MDK	1
PVOC										
Benzene	930	ug/l	2.7	8.5	10	GRO95/8021		8/23/2013	CJR	1
Ethylbenzene	101	ug/l	8.2	26	10	GRO95/8021		8/23/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		8/23/2013	CJR	1
Toluene	< 8	ug/l	8	26	10	GRO95/8021		8/23/2013	CJR	1
1,2,4-Trimethylbenzene	13.8 "J"	ug/l	8.3	26	10	GRO95/8021		8/23/2013	CJR	1
1,3,5-Trimethylbenzene	18.7 "J"	ug/l	8.6	27	10	GRO95/8021		8/23/2013	CJR	1
m&p-Xylene	32 "J"	ug/l	16	52	10	GRO95/8021		8/23/2013	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		8/23/2013	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

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Report Date 06-Dec-13

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184A
Sample ID MW 100
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	3.01	ug/l	0.21	0.68	10	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	0.91	ug/l	0.2	0.63	10	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	0.87	ug/l	0.2	0.64	10	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	0.58 "J"	ug/l	0.25	0.78	10	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	0.241 "J"	ug/l	0.18	0.58	10	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	0.307 "J"	ug/l	0.2	0.63	10	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 0.23	ug/l	0.23	0.75	10	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 0.27	ug/l	0.27	0.87	10	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	0.32 "J"	ug/l	0.18	0.58	10	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.23	ug/l	0.23	0.72	10	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	1.14	ug/l	0.26	0.84	10	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	4.1	ug/l	0.2	0.63	10	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.27	ug/l	0.27	0.85	10	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	21.5	ug/l	0.19	0.61	10	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	0.32 "J"	ug/l	0.16	0.52	10	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	10.3	ug/l	0.23	0.75	10	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	6.2	ug/l	0.18	0.59	10	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	1.34	ug/l	0.25	0.8	10	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	1680	ug/l	2.7	8.5	10	GRO95/8021		12/6/2013	CJR	1
Ethylbenzene	266	ug/l	8.2	26	10	GRO95/8021		12/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		12/6/2013	CJR	1
Toluene	40	ug/l	8	26	10	GRO95/8021		12/6/2013	CJR	1
1,2,4-Trimethylbenzene	58	ug/l	8.3	26	10	GRO95/8021		12/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		12/6/2013	CJR	1
m&p-Xylene	88	ug/l	16	52	10	GRO95/8021		12/6/2013	CJR	1
o-Xylene	16.3 "J"	ug/l	8.1	26	10	GRO95/8021		12/6/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184B
Sample ID MW 101
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.39	ug/l	0.42	1.36	20	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	< 0.4	ug/l	0.4	1.26	20	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 0.4	ug/l	0.4	1.28	20	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 0.5	ug/l	0.5	1.56	20	M8270D	11/27/2013	12/3/2013	MDK	6
Benzo(a)pyrene	< 0.36	ug/l	0.36	1.16	20	M8270D	11/27/2013	12/3/2013	MDK	6
Benzo(b)fluoranthene	< 0.4	ug/l	0.4	1.26	20	M8270D	11/27/2013	12/3/2013	MDK	6
Benzo(g,h,i)perylene	< 0.46	ug/l	0.46	1.5	20	M8270D	11/27/2013	12/3/2013	MDK	6
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	11/27/2013	12/3/2013	MDK	6
Chrysene	< 0.36	ug/l	0.36	1.16	20	M8270D	11/27/2013	12/3/2013	MDK	6
Dibenzo(a,h)anthracene	< 0.46	ug/l	0.46	1.44	20	M8270D	11/27/2013	12/3/2013	MDK	6
Fluoranthene	< 0.52	ug/l	0.52	1.68	20	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	2.01	ug/l	0.4	1.26	20	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.7	20	M8270D	11/27/2013	12/3/2013	MDK	6
1-Methyl naphthalene	40	ug/l	0.38	1.22	20	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	28.8	ug/l	0.32	1.04	20	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	65	ug/l	0.46	1.5	20	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	1.33	ug/l	0.36	1.18	20	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 0.5	ug/l	0.5	1.6	20	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	5100	ug/l	13.5	42.5	50	GRO95/8021		12/4/2013	CJR	1
Ethylbenzene	350	ug/l	41	130	50	GRO95/8021		12/4/2013	CJR	1
Methyl tert-butyl ether (MTBE)	304	ug/l	18.5	60	50	GRO95/8021		12/4/2013	CJR	1
Toluene	580	ug/l	40	130	50	GRO95/8021		12/4/2013	CJR	1
1,2,4-Trimethylbenzene	380	ug/l	41.5	130	50	GRO95/8021		12/4/2013	CJR	1
1,3,5-Trimethylbenzene	143	ug/l	43	135	50	GRO95/8021		12/4/2013	CJR	1
m&p-Xylene	730	ug/l	80	260	50	GRO95/8021		12/4/2013	CJR	1
o-Xylene	146	ug/l	40.5	130	50	GRO95/8021		12/4/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184C
Sample ID MW 102
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	2.15 "J"	ug/l	1.05	3.4	50	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	< 1	ug/l	1	3.15	50	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 1	ug/l	1	3.2	50	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 1.25	ug/l	1.25	3.9	50	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 0.9	ug/l	0.9	2.9	50	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 1	ug/l	1	3.15	50	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 1.15	ug/l	1.15	3.75	50	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 1.35	ug/l	1.35	4.35	50	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 0.9	ug/l	0.9	2.9	50	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 1.15	ug/l	1.15	3.6	50	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	< 1.3	ug/l	1.3	4.2	50	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	3.8	ug/l	1	3.15	50	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.35	ug/l	1.35	4.25	50	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	89	ug/l	0.95	3.05	50	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	119	ug/l	0.8	2.6	50	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	188	ug/l	1.15	3.75	50	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	4.6	ug/l	0.9	2.95	50	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 1.25	ug/l	1.25	4	50	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	9600	ug/l	13.5	42.5	50	GRO95/8021		12/4/2013	CJR	1
Ethylbenzene	880	ug/l	41	130	50	GRO95/8021		12/4/2013	CJR	1
Methyl tert-butyl ether (MTBE)	580	ug/l	18.5	60	50	GRO95/8021		12/4/2013	CJR	1
Toluene	1540	ug/l	40	130	50	GRO95/8021		12/4/2013	CJR	1
1,2,4-Trimethylbenzene	1000	ug/l	41.5	130	50	GRO95/8021		12/4/2013	CJR	1
1,3,5-Trimethylbenzene	320	ug/l	43	135	50	GRO95/8021		12/4/2013	CJR	1
m&p-Xylene	3800	ug/l	80	260	50	GRO95/8021		12/4/2013	CJR	1
o-Xylene	1130	ug/l	40.5	130	50	GRO95/8021		12/4/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184D
Sample ID MW 103
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.75	ug/l	0.021	0.068	1	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	0.11	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	0.031 "J"	ug/l	0.02	0.064	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	0.032 "J"	ug/l	0.026	0.084	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	0.5	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	7.9	ug/l	0.019	0.061	1	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	0.08	ug/l	0.016	0.052	1	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	1.52	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	0.35	ug/l	0.018	0.059	1	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	263	ug/l	0.27	0.85	1	GRO95/8021		12/5/2013	CJR	1
Ethylbenzene	94	ug/l	0.82	2.6	1	GRO95/8021		12/5/2013	CJR	1
Methyl tert-butyl ether (MTBE)	24.5	ug/l	0.37	1.2	1	GRO95/8021		12/5/2013	CJR	1
Toluene	8.3	ug/l	0.8	2.6	1	GRO95/8021		12/5/2013	CJR	1
1,2,4-Trimethylbenzene	1.29 "J"	ug/l	0.83	2.6	1	GRO95/8021		12/5/2013	CJR	1
1,3,5-Trimethylbenzene	0.98 "J"	ug/l	0.86	2.7	1	GRO95/8021		12/5/2013	CJR	1
m&p-Xylene	15	ug/l	1.6	5.2	1	GRO95/8021		12/5/2013	CJR	1
o-Xylene	2.03 "J"	ug/l	0.81	2.6	1	GRO95/8021		12/5/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184E
Sample ID MW 104
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.022 "J"	ug/l	0.021	0.068	1	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	0.049 "J"	ug/l	0.019	0.061	1	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	< 0.016	ug/l	0.016	0.052	1	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/4/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/4/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/4/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/4/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/4/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/4/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184F
Sample ID MW 105
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.28	ug/l	0.105	0.34	5	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	0.293 "J"	ug/l	0.1	0.315	5	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 0.1	ug/l	0.1	0.32	5	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 0.125	ug/l	0.125	0.39	5	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 0.09	ug/l	0.09	0.29	5	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 0.1	ug/l	0.1	0.315	5	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 0.115	ug/l	0.115	0.375	5	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 0.135	ug/l	0.135	0.435	5	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 0.09	ug/l	0.09	0.29	5	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.115	ug/l	0.115	0.36	5	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	< 0.13	ug/l	0.13	0.42	5	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	1.65	ug/l	0.1	0.315	5	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.135	ug/l	0.135	0.425	5	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	20	ug/l	0.095	0.305	5	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	0.59	ug/l	0.08	0.26	5	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	10.7	ug/l	0.115	0.375	5	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	1.23	ug/l	0.09	0.295	5	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 0.125	ug/l	0.125	0.4	5	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	1200	ug/l	2.7	8.5	10	GRO95/8021		12/6/2013	CJR	1
Ethylbenzene	109	ug/l	8.2	26	10	GRO95/8021		12/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		12/6/2013	CJR	1
Toluene	19.9 "J"	ug/l	8	26	10	GRO95/8021		12/6/2013	CJR	1
1,2,4-Trimethylbenzene	41	ug/l	8.3	26	10	GRO95/8021		12/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		12/6/2013	CJR	1
m&p-Xylene	82	ug/l	16	52	10	GRO95/8021		12/6/2013	CJR	1
o-Xylene	8.5 "J"	ug/l	8.1	26	10	GRO95/8021		12/6/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-010

Invoice # E26184

Lab Code 5026184G
 Sample ID EP 102
 Sample Matrix water
 Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 2.1	ug/l	2.1	6.8	100	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	< 2	ug/l	2	6.3	100	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 2	ug/l	2	6.4	100	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 2.5	ug/l	2.5	7.8	100	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 1.8	ug/l	1.8	5.8	100	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 2	ug/l	2	6.3	100	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 2.3	ug/l	2.3	7.5	100	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 2.7	ug/l	2.7	8.7	100	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 1.8	ug/l	1.8	5.8	100	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 2.3	ug/l	2.3	7.2	100	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	< 2.6	ug/l	2.6	8.4	100	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	< 2	ug/l	2	6.3	100	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 2.7	ug/l	2.7	8.5	100	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	92	ug/l	1.9	6.1	100	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	130	ug/l	1.6	5.2	100	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	307	ug/l	2.3	7.5	100	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	2.87 "J"	ug/l	1.8	5.9	100	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 2.5	ug/l	2.5	8	100	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	350	ug/l	0.27	0.85	1	GRO95/8021		12/4/2013	CJR	1
Ethylbenzene	33	ug/l	0.82	2.6	1	GRO95/8021		12/4/2013	CJR	1
Methyl tert-butyl ether (MTBE)	11.6	ug/l	0.37	1.2	1	GRO95/8021		12/4/2013	CJR	1
Toluene	36	ug/l	0.8	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,2,4-Trimethylbenzene	23.1	ug/l	0.83	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,3,5-Trimethylbenzene	7.3	ug/l	0.86	2.7	1	GRO95/8021		12/4/2013	CJR	1
m&p-Xylene	113	ug/l	1.6	5.2	1	GRO95/8021		12/4/2013	CJR	1
o-Xylene	35	ug/l	0.81	2.6	1	GRO95/8021		12/4/2013	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26184

Lab Code 5026184H
Sample ID EP 105
Sample Matrix water
Sample Date 11/26/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	11/27/2013	12/3/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	11/27/2013	12/3/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	11/27/2013	12/3/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	11/27/2013	12/3/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	11/27/2013	12/3/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	11/27/2013	12/3/2013	MDK	1
1-Methyl naphthalene	< 0.019	ug/l	0.019	0.061	1	M8270D	11/27/2013	12/3/2013	MDK	1
2-Methyl naphthalene	< 0.016	ug/l	0.016	0.052	1	M8270D	11/27/2013	12/3/2013	MDK	1
Naphthalene	0.024 "J"	ug/l	0.023	0.075	1	M8270D	11/27/2013	12/3/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	11/27/2013	12/3/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	11/27/2013	12/3/2013	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/4/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/4/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/4/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/4/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/4/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/4/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/4/2013	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 6 The surrogate recovery not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

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Report Date 07-Mar-14

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580A
Sample ID MW-100
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	11.7	ug/l	0.18	0.56	10	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	5.7	ug/l	0.2	0.63	10	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	2.03	ug/l	0.18	0.57	10	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	0.38 "J"	ug/l	0.23	0.73	10	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	< 0.2	ug/l	0.2	0.63	10	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	< 0.19	ug/l	0.19	0.6	10	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 0.24	ug/l	0.24	0.76	10	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	< 0.27	ug/l	0.27	0.87	10	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	0.44 "J"	ug/l	0.18	0.58	10	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.28	ug/l	0.28	0.92	10	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	1.04	ug/l	0.22	0.69	10	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	4.2	ug/l	0.22	0.69	10	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.27	ug/l	0.27	0.86	10	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	102	ug/l	0.21	0.65	10	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	98	ug/l	0.24	0.76	10	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	88	ug/l	0.23	0.73	10	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	22.1	ug/l	0.18	0.57	10	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	2.35	ug/l	0.22	0.71	10	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	4300	ug/l	2.7	8.5	10	GRO95/8021		2/28/2014	CJR	1
Ethylbenzene	262	ug/l	8.2	26	10	GRO95/8021		2/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	237	ug/l	3.7	12	10	GRO95/8021		2/28/2014	CJR	1
Toluene	90	ug/l	8	26	10	GRO95/8021		2/28/2014	CJR	1
1,2,4-Trimethylbenzene	152	ug/l	8.3	26	10	GRO95/8021		2/28/2014	CJR	1
1,3,5-Trimethylbenzene	76	ug/l	8.6	27	10	GRO95/8021		2/28/2014	CJR	1
m&p-Xylene	350	ug/l	16	52	10	GRO95/8021		2/28/2014	CJR	1
o-Xylene	20.7 "J"	ug/l	8.1	26	10	GRO95/8021		2/28/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580B
Sample ID MW-101
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	3.8	ug/l	0.36	1.12	20	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	1.13 "J"	ug/l	0.4	1.26	20	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	0.99 "J"	ug/l	0.36	1.14	20	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	0.93 "J"	ug/l	0.46	1.46	20	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	< 0.4	ug/l	0.4	1.26	20	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	0.52 "J"	ug/l	0.38	1.2	20	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 0.48	ug/l	0.48	1.52	20	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	< 0.54	ug/l	0.54	1.74	20	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	0.56 "J"	ug/l	0.36	1.16	20	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.56	ug/l	0.56	1.84	20	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	1.8	ug/l	0.44	1.38	20	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	5.3	ug/l	0.44	1.38	20	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.54	ug/l	0.54	1.72	20	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	21.6	ug/l	0.42	1.3	20	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	1.46 "J"	ug/l	0.48	1.52	20	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	3.9	ug/l	0.46	1.46	20	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	9.9	ug/l	0.36	1.14	20	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	2.17	ug/l	0.44	1.42	20	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	1110	ug/l	13.5	42.5	50	GRO95/8021		2/28/2014	CJR	1
Ethylbenzene	141	ug/l	41	130	50	GRO95/8021		2/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 18.5	ug/l	18.5	60	50	GRO95/8021		2/28/2014	CJR	1
Toluene	< 40	ug/l	40	130	50	GRO95/8021		2/28/2014	CJR	1
1,2,4-Trimethylbenzene	61 "J"	ug/l	41.5	130	50	GRO95/8021		2/28/2014	CJR	1
1,3,5-Trimethylbenzene	< 43	ug/l	43	135	50	GRO95/8021		2/28/2014	CJR	1
m&p-Xylene	96 "J"	ug/l	80	260	50	GRO95/8021		2/28/2014	CJR	1
o-Xylene	< 40.5	ug/l	40.5	130	50	GRO95/8021		2/28/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580C
Sample ID MW-102
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	7	ug/l	0.9	2.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	2.88 "J"	ug/l	1	3.15	50	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	2.3 "J"	ug/l	0.9	2.85	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	2.88 "J"	ug/l	1.15	3.65	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	1.2 "J"	ug/l	1	3.15	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	2.92 "J"	ug/l	0.95	3	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 1.2	ug/l	1.2	3.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	1.73 "J"	ug/l	1.35	4.35	50	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	2.35 "J"	ug/l	0.9	2.9	50	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 1.4	ug/l	1.4	4.6	50	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	4.3	ug/l	1.1	3.45	50	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	13.2	ug/l	1.1	3.45	50	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.35	ug/l	1.35	4.3	50	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	132	ug/l	1.05	3.25	50	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	222	ug/l	1.2	3.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	155	ug/l	1.15	3.65	50	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	21.7	ug/l	0.9	2.85	50	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	5.4	ug/l	1.1	3.55	50	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	10000	ug/l	13.5	42.5	50	GRO95/8021		3/1/2014	CJR	1
Ethylbenzene	790	ug/l	41	130	50	GRO95/8021		3/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	560	ug/l	18.5	60	50	GRO95/8021		3/1/2014	CJR	1
Toluene	590	ug/l	40	130	50	GRO95/8021		3/1/2014	CJR	1
1,2,4-Trimethylbenzene	930	ug/l	41.5	130	50	GRO95/8021		3/1/2014	CJR	1
1,3,5-Trimethylbenzene	285	ug/l	43	135	50	GRO95/8021		3/1/2014	CJR	1
m&p-Xylene	3200	ug/l	80	260	50	GRO95/8021		3/1/2014	CJR	1
o-Xylene	700	ug/l	40.5	130	50	GRO95/8021		3/1/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-010

Invoice # E26580

Lab Code 5026580D
 Sample ID MW-103
 Sample Matrix Water
 Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.39	ug/l	0.018	0.056	1	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	0.094	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	0.049 "J"	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	0.07 "J"	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	0.059 "J"	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	0.134	ug/l	0.019	0.06	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	0.107	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	0.064 "J"	ug/l	0.027	0.087	1	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	0.093	ug/l	0.018	0.058	1	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.028	ug/l	0.028	0.092	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	0.154	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	0.25	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	0.078 "J"	ug/l	0.027	0.086	1	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	0.54	ug/l	0.021	0.065	1	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	0.034 "J"	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	0.149	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	0.5	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	0.129	ug/l	0.022	0.071	1	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	60	ug/l	2.7	8.5	10	GRO95/8021		3/1/2014	CJR	1
Ethylbenzene	< 8.2	ug/l	8.2	26	10	GRO95/8021		3/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	33	ug/l	3.7	12	10	GRO95/8021		3/1/2014	CJR	1
Toluene	< 8	ug/l	8	26	10	GRO95/8021		3/1/2014	CJR	1
1,2,4-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		3/1/2014	CJR	1
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		3/1/2014	CJR	1
m&p-Xylene	< 16	ug/l	16	52	10	GRO95/8021		3/1/2014	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		3/1/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580E
Sample ID MW-104
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.018	ug/l	0.018	0.056	1	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	< 0.018	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	0.024 "J"	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	ug/l	0.019	0.06	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 0.024	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.028	ug/l	0.028	0.092	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	0.023 "J"	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	< 0.022	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.086	1	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	< 0.021	ug/l	0.021	0.065	1	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	< 0.022	ug/l	0.022	0.071	1	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		2/28/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		2/28/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		2/28/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		2/28/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		2/28/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		2/28/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		2/28/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		2/28/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580F
Sample ID EP-2
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	1.23 "J"	ug/l	0.9	2.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	< 1	ug/l	1	3.15	50	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	< 0.9	ug/l	0.9	2.85	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	< 1.15	ug/l	1.15	3.65	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	< 1	ug/l	1	3.15	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	< 0.95	ug/l	0.95	3	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 1.2	ug/l	1.2	3.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	< 1.35	ug/l	1.35	4.35	50	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	< 0.9	ug/l	0.9	2.9	50	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 1.4	ug/l	1.4	4.6	50	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	< 1.1	ug/l	1.1	3.45	50	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	1.69 "J"	ug/l	1.1	3.45	50	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 1.35	ug/l	1.35	4.3	50	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	59	ug/l	1.05	3.25	50	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	99	ug/l	1.2	3.8	50	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	199	ug/l	1.15	3.65	50	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	2.59 "J"	ug/l	0.9	2.85	50	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	< 1.1	ug/l	1.1	3.55	50	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	20200	ug/l	24	77	100	8260B		3/4/2014	CJR	1
Ethylbenzene	1640	ug/l	55	170	100	8260B		3/4/2014	CJR	1
Methyl tert-butyl ether (MTBE)	560	ug/l	23	74	100	8260B		3/4/2014	CJR	1
Toluene	700	ug/l	69	220	100	8260B		3/4/2014	CJR	1
1,2,4-Trimethylbenzene	1190	ug/l	220	690	100	8260B		3/4/2014	CJR	1
1,3,5-Trimethylbenzene	340 "J"	ug/l	140	450	100	8260B		3/4/2014	CJR	1
m&p-Xylene	6300	ug/l	69	220	100	8260B		3/4/2014	CJR	1
o-Xylene	1150	ug/l	63	200	100	8260B		3/4/2014	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-010

Invoice # E26580

Lab Code 5026580G
Sample ID EP-5
Sample Matrix Water
Sample Date 2/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.018	ug/l	0.018	0.056	1	M8270D	3/4/2014	3/5/2014	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Anthracene	< 0.018	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)anthracene	< 0.023	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.063	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	ug/l	0.019	0.06	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(g,h,i)perylene	< 0.024	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	3/4/2014	3/5/2014	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	3/4/2014	3/5/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.028	ug/l	0.028	0.092	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluoranthene	< 0.022	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Fluorene	< 0.022	ug/l	0.022	0.069	1	M8270D	3/4/2014	3/5/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.086	1	M8270D	3/4/2014	3/5/2014	MDK	1
1-Methyl naphthalene	< 0.021	ug/l	0.021	0.065	1	M8270D	3/4/2014	3/5/2014	MDK	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270D	3/4/2014	3/5/2014	MDK	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270D	3/4/2014	3/5/2014	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.057	1	M8270D	3/4/2014	3/5/2014	MDK	1
Pyrene	< 0.022	ug/l	0.022	0.071	1	M8270D	3/4/2014	3/5/2014	MDK	1
PVOC										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		3/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		3/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		3/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		3/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		3/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		3/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		3/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		3/3/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
 ENDPOINT SOLUTIONS
 6871 SOUTH LOVER'S LANE
 FRANKLIN, WI 53132

Report Date 11-Dec-14

Project Name US OIL MKE SOUTH
 Project # 014-002-010

Invoice # E28127

Lab Code 5028127A
 Sample ID MW 109 8-10'
 Sample Matrix Soil
 Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.6	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		12/9/2014	CJR	1
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	< 0.02	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	< 0.0195	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	< 0.0204	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	< 0.0211	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	< 0.0247	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	< 0.041	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127A
Sample ID MW 109 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Butylbenzene	< 0.026	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B		12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B		12/4/2014	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B		12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		12/4/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B		12/4/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B		12/4/2014	CJR	1
n-Propylbenzene	< 0.024	mg/kg	0.024	0.075	1	8260B		12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B		12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B		12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B		12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B		12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B		12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B		12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B		12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B		12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B		12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B		12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B		12/4/2014	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		12/4/2014	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
 Project # 014-002-010

Invoice # E28127

Lab Code 5028127B
 Sample ID MW 109 12-14'
 Sample Matrix Soil
 Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.9	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		12/9/2014	CJR	1
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	< 0.02	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	< 0.0195	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	< 0.0204	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	< 0.0211	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	< 0.0247	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/3/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/3/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/3/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/3/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/3/2014	CJR	1
sec-Butylbenzene	< 0.041	mg/kg	0.041	0.13	1	8260B		12/3/2014	CJR	1
n-Butylbenzene	< 0.026	mg/kg	0.026	0.082	1	8260B		12/3/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/3/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/3/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/3/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/3/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/3/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/3/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/3/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/3/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/3/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/3/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/3/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/3/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/3/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/3/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/3/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/3/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/3/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127B
Sample ID MW 109 12-14'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B		12/3/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B		12/3/2014	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		12/3/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B		12/3/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		12/3/2014	CJR	7
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B		12/3/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B		12/3/2014	CJR	1
n-Propylbenzene	< 0.024	mg/kg	0.024	0.075	1	8260B		12/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B		12/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B		12/3/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B		12/3/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B		12/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B		12/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B		12/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		12/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B		12/3/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B		12/3/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B		12/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B		12/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		12/3/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B		12/3/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B		12/3/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B		12/3/2014	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		12/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	109	Rec %			1	8260B		12/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	Rec %			1	8260B		12/3/2014	CJR	1
SUR - Dibromofluoromethane	107	Rec %			1	8260B		12/3/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127C
Sample ID MW 106 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.7	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	30.9	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	47	mg/kg	2.3	7.3	1	GRO95/8021		12/10/2014	CJR	1 44
PAH SIM										
Acenaphthene	0.111	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	0.043 "J"	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	0.128	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	0.22	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	1.17	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	1.6	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	0.27	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	0.59	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	0.069	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	0.62	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	0.40	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127C
Sample ID MW 106 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	0.172	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	7
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	0.73	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	0.262	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	110	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	102	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127D
Sample ID MW 106 12-14'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.9	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		12/10/2014	CJR	1
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	< 0.02	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	< 0.0195	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	< 0.0204	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	< 0.0211	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	< 0.0247	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	< 0.041	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	< 0.026	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127D
Sample ID MW 106 12-14'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	7
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	< 0.024	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127E
Sample ID MW 107 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.3	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	580	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	217	mg/kg	23	73	10	GRO95/8021		12/11/2014	CJR	1 44
PAH SIM										
Acenaphthene	0.09	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	0.0295 "J"	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	0.037 "J"	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenz(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	0.0231 "J"	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	0.192	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	2.33	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	1.46	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	0.048 "J"	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	0.48	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	0.136	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	0.34	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	0.49	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127E
Sample ID MW 107 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	0.016 "J"	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	0.099	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	0.239	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	7
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	0.223	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	100	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127F
Sample ID MW 107 13-15'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.1	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	36.0	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	11.4	mg/kg	2.3	7.3	1	GRO95/8021		12/10/2014	CJR	1 44
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	0.0204 "J"	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	0.63	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	0.73	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	0.282	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	0.085	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	0.0162 "J"	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	0.078 "J"	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	0.093	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127F
Sample ID MW 107 13-15'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	0.041 "J"	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	7
Methyl tert-butyl ether (MTBE)	0.077 "J"	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	0.66	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	0.046 "J"	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	0.087	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	0.048 "J"	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	104	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	98	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127G
Sample ID MW 108 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.7	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		12/10/2014	CJR	1
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	< 0.02	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	< 0.0195	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	< 0.0204	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	< 0.0211	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	< 0.0247	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	< 0.041	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	< 0.026	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127G
Sample ID MW 108 8-10'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	7
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	< 0.024	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	115	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127H
Sample ID MW 108 12-14'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.4	%			1	5021		11/25/2014	LPA	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/2/2014	MDK	1
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		12/10/2014	CJR	1
PAH SIM										
Acenaphthene	< 0.0211	mg/kg	0.0211	0.067	1	M8270D	12/4/2014	12/4/2014	MDK	1
Acenaphthylene	< 0.0195	mg/kg	0.0195	0.0619	1	M8270D	12/4/2014	12/4/2014	MDK	1
Anthracene	< 0.0188	mg/kg	0.0188	0.0597	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)anthracene	< 0.0184	mg/kg	0.0184	0.0584	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(a)pyrene	< 0.019	mg/kg	0.019	0.0605	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	mg/kg	0.019	0.0573	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(g,h,i)perylene	< 0.023	mg/kg	0.023	0.0732	1	M8270D	12/4/2014	12/4/2014	MDK	1
Benzo(k)fluoranthene	< 0.0206	mg/kg	0.0206	0.0656	1	M8270D	12/4/2014	12/4/2014	MDK	1
Chrysene	< 0.0185	mg/kg	0.0185	0.0587	1	M8270D	12/4/2014	12/4/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.0224	mg/kg	0.0224	0.0713	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluoranthene	< 0.0181	mg/kg	0.0181	0.0577	1	M8270D	12/4/2014	12/4/2014	MDK	1
Fluorene	< 0.02	mg/kg	0.02	0.0636	1	M8270D	12/4/2014	12/4/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.0244	mg/kg	0.0244	0.0775	1	M8270D	12/4/2014	12/4/2014	MDK	1
1-Methyl naphthalene	< 0.0195	mg/kg	0.0195	0.0621	1	M8270D	12/4/2014	12/4/2014	MDK	1
2-Methyl naphthalene	< 0.0204	mg/kg	0.0204	0.0649	1	M8270D	12/4/2014	12/4/2014	MDK	1
Naphthalene	< 0.0211	mg/kg	0.0211	0.0671	1	M8270D	12/4/2014	12/4/2014	MDK	1
Phenanthrene	< 0.0247	mg/kg	0.0247	0.0785	1	M8270D	12/4/2014	12/4/2014	MDK	1
Pyrene	< 0.02	mg/kg	0.02	0.0637	1	M8270D	12/4/2014	12/4/2014	MDK	1
VOC's										
Benzene	< 0.0092	mg/kg	0.0092	0.029	1	8260B		12/4/2014	CJR	1
Bromobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		12/4/2014	CJR	1
Bromodichloromethane	< 0.027	mg/kg	0.027	0.085	1	8260B		12/4/2014	CJR	1
Bromoform	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
tert-Butylbenzene	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1
sec-Butylbenzene	< 0.041	mg/kg	0.041	0.13	1	8260B		12/4/2014	CJR	1
n-Butylbenzene	< 0.026	mg/kg	0.026	0.082	1	8260B		12/4/2014	CJR	1
Carbon Tetrachloride	< 0.025	mg/kg	0.025	0.079	1	8260B		12/4/2014	CJR	1
Chlorobenzene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
Chloroethane	< 0.042	mg/kg	0.042	0.13	1	8260B		12/4/2014	CJR	1
Chloroform	< 0.049	mg/kg	0.049	0.16	1	8260B		12/4/2014	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		12/4/2014	CJR	1
2-Chlorotoluene	< 0.016	mg/kg	0.016	0.052	1	8260B		12/4/2014	CJR	1
4-Chlorotoluene	< 0.014	mg/kg	0.014	0.043	1	8260B		12/4/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.048	mg/kg	0.048	0.15	1	8260B		12/4/2014	CJR	1
Dibromochloromethane	< 0.014	mg/kg	0.014	0.045	1	8260B		12/4/2014	CJR	1
1,4-Dichlorobenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		12/4/2014	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.095	1	8260B		12/4/2014	CJR	1
1,2-Dichlorobenzene	< 0.038	mg/kg	0.038	0.12	1	8260B		12/4/2014	CJR	1
Dichlorodifluoromethane	< 0.057	mg/kg	0.057	0.18	1	8260B		12/4/2014	CJR	1
1,2-Dichloroethane	< 0.036	mg/kg	0.036	0.11	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethane	< 0.019	mg/kg	0.019	0.06	1	8260B		12/4/2014	CJR	1
1,1-Dichloroethene	< 0.021	mg/kg	0.021	0.066	1	8260B		12/4/2014	CJR	1
cis-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.077	1	8260B		12/4/2014	CJR	1
trans-1,2-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		12/4/2014	CJR	1
1,2-Dichloropropane	< 0.0095	mg/kg	0.0095	0.03	1	8260B		12/4/2014	CJR	1
2,2-Dichloropropane	< 0.046	mg/kg	0.046	0.15	1	8260B		12/4/2014	CJR	7
1,3-Dichloropropane	< 0.021	mg/kg	0.021	0.068	1	8260B		12/4/2014	CJR	1
Di-isopropyl ether	< 0.011	mg/kg	0.011	0.034	1	8260B		12/4/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.02	mg/kg	0.02	0.064	1	8260B		12/4/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28127

Lab Code 5028127H
Sample ID MW 108 12-14'
Sample Matrix Soil
Sample Date 11/24/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.01	mg/kg	0.01	0.033	1	8260B	12/4/2014	12/4/2014	CJR	1
Hexachlorobutadiene	< 0.095	mg/kg	0.095	0.3	1	8260B	12/4/2014	12/4/2014	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B	12/4/2014	12/4/2014	CJR	1
p-Isopropyltoluene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B	12/4/2014	12/4/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.03	mg/kg	0.03	0.096	1	8260B	12/4/2014	12/4/2014	CJR	1
Naphthalene	< 0.11	mg/kg	0.11	0.36	1	8260B	12/4/2014	12/4/2014	CJR	1
n-Propylbenzene	< 0.024	mg/kg	0.024	0.075	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.012	mg/kg	0.012	0.038	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Tetrachloroethene	< 0.049	mg/kg	0.049	0.16	1	8260B	12/4/2014	12/4/2014	CJR	1
Toluene	< 0.02	mg/kg	0.02	0.065	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.079	mg/kg	0.079	0.25	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,3-Trichlorobenzene	< 0.13	mg/kg	0.13	0.41	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,1-Trichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B	12/4/2014	12/4/2014	CJR	1
1,1,2-Trichloroethane	< 0.023	mg/kg	0.023	0.074	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichloroethene (TCE)	< 0.028	mg/kg	0.028	0.088	1	8260B	12/4/2014	12/4/2014	CJR	1
Trichlorofluoromethane	< 0.086	mg/kg	0.086	0.27	1	8260B	12/4/2014	12/4/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.026	mg/kg	0.026	0.081	1	8260B	12/4/2014	12/4/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B	12/4/2014	12/4/2014	CJR	1
Vinyl Chloride	< 0.021	mg/kg	0.021	0.066	1	8260B	12/4/2014	12/4/2014	CJR	1
m&p-Xylene	< 0.068	mg/kg	0.068	0.22	1	8260B	12/4/2014	12/4/2014	CJR	1
o-Xylene	< 0.031	mg/kg	0.031	0.098	1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B	12/4/2014	12/4/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.
7	The LCS not within established limits.
44	Contamination indicated outside GRO window.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # **No 315**

Page 1 of 1

Sample Handling Request

Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)

Normal Turn Around

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: **011-002 - 010**
 Sampler: (signature) *[Signature]*

Project (Name / Location): **ps oil M&E South**
 Reports To: **Tim Petrich** Invoice To: _____
 Company: **Endpoint Solutions** Company: _____
 Address: **6871 So Lovers Lane** Address: *[Signature]*
 City State Zip: **Franklin WI** City State Zip: _____
 Phone: **414 858 1210** Phone: _____
 FAX: _____ FAX: _____

Analysis Requested										Other Analysis													
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID									
X	X				X							X											

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5028127A	MW 109	8-10'	11/24/00		X	N	3	Soil	Mesh
B	MW 109	12-14'	915						
C	MW 106	8-10'	1000						
D	MW 106	12-14'	1015						
E	MW 107	8-10'	1200						
F	MW 107	13-15'	1215						
G	MW 108	8-10'	200						
H	MW 108	12-14'	215						

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Dunkan

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *[Signature]*

Time: 7:00 Date: 11/25/14

Received By: (sign) *[Signature]*

Time: 1:24 Date: 11-25-14

Received in Laboratory By: *[Signature]*

Time: 8:00

Date: 11/26/14

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: **014-002-010**
Sampler: (signature) Tim

Project (Name / Location): **KS oil MKE South**

Reports To: Tim Petrick
Company: Endpoint Solutions
Address: 6871 S Lovers Lane
City State Zip: Franklin WI
Phone: 414 858 1210
FAX: _____

Invoice To: _____
Company: _____
Address: [Signature]
City State Zip: _____
Phone: _____
FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
		Date	Time																						
S028157A	EP-2	12/3	130		X	N	3	GW	#2																
B	EP-5		1030																						
C	MW-100		1200																						
D	MW-101		1215																						
E	MW-102		1230																						
F	MW-103		115																						
G	MW-104		100																						
H	MW-105		1245																						
I	MW-106		1045																						
J	MW-107	✓	1100																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Rush
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Tim Time 3:30 Date 12/3/14
Received By: (sign) [Signature] Time 4:00 Date 12-3-14

Received in Laboratory By: [Signature] Time: 8:00 Date: 12/4/14

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-010**
Sampler: (signature) **TMF**

Project (Name / Location): **US Oil MKE South**

Reports To: **Tim Petrick** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S lovers lane** Address: _____
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
no sample	MW-108	12/3	12:30		X	N	3	GW	Hcl															
S0281576	MW-109	12/3	1:15		1	1	1	1	1										X					

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Dry Ice

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) TMF

Time: 3:20

Date: 12/3/14

Received By: (sign) [Signature]

Time: 4:00

Date: 12-3-14

Received in Laboratory By: [Signature]

Time: 8:00

Date: 12/4/14

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 15-Dec-14

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28157

Lab Code 5028157A
Sample ID EP-2
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	15900	ug/l	27	85	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
Ethylbenzene	1440	ug/l	82	260	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
Methyl tert-butyl ether (MTBE)	380	ug/l	37	120	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
Naphthalene	480	ug/l	120	380	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
Toluene	480	ug/l	80	260	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
1,2,4-Trimethylbenzene	1170	ug/l	83	260	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
1,3,5-Trimethylbenzene	330	ug/l	86	270	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
m&p-Xylene	5100	ug/l	160	520	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1
o-Xylene	670	ug/l	81	260	100	GRO95/8021	12/9/2014	12/9/2014	CJR	1

Lab Code 5028157B
Sample ID EP-5
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021	12/8/2014	12/8/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28157

Lab Code 5028157C
Sample ID MW-100
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1190	ug/l	13.5	42.5	50	GRO95/8021		12/9/2014	CJR	1
Ethylbenzene	131	ug/l	41	130	50	GRO95/8021		12/9/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 18.5	ug/l	18.5	60	50	GRO95/8021		12/9/2014	CJR	1
Naphthalene	< 60	ug/l	60	190	50	GRO95/8021		12/9/2014	CJR	1
Toluene	< 40	ug/l	40	130	50	GRO95/8021		12/9/2014	CJR	1
1,2,4-Trimethylbenzene	71 "J"	ug/l	41.5	130	50	GRO95/8021		12/9/2014	CJR	1
1,3,5-Trimethylbenzene	< 43	ug/l	43	135	50	GRO95/8021		12/9/2014	CJR	1
m&p-Xylene	158 "J"	ug/l	80	260	50	GRO95/8021		12/9/2014	CJR	1
o-Xylene	< 40.5	ug/l	40.5	130	50	GRO95/8021		12/9/2014	CJR	1

Lab Code 5028157D
Sample ID MW-101
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4100	ug/l	2.7	8.5	10	GRO95/8021		12/9/2014	CJR	1
Ethylbenzene	247	ug/l	8.2	26	10	GRO95/8021		12/9/2014	CJR	1
Methyl tert-butyl ether (MTBE)	156	ug/l	3.7	12	10	GRO95/8021		12/9/2014	CJR	1
Naphthalene	115	ug/l	12	38	10	GRO95/8021		12/9/2014	CJR	1
Toluene	108	ug/l	8	26	10	GRO95/8021		12/9/2014	CJR	1
1,2,4-Trimethylbenzene	226	ug/l	8.3	26	10	GRO95/8021		12/9/2014	CJR	1
1,3,5-Trimethylbenzene	70	ug/l	8.6	27	10	GRO95/8021		12/9/2014	CJR	1
m&p-Xylene	450	ug/l	16	52	10	GRO95/8021		12/9/2014	CJR	1
o-Xylene	33	ug/l	8.1	26	10	GRO95/8021		12/9/2014	CJR	1

Lab Code 5028157E
Sample ID MW-102
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13700	ug/l	13.5	42.5	50	GRO95/8021		12/12/2014	CJR	1
Ethylbenzene	1450	ug/l	41	130	50	GRO95/8021		12/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	640	ug/l	18.5	60	50	GRO95/8021		12/12/2014	CJR	1
Naphthalene	330	ug/l	60	190	50	GRO95/8021		12/12/2014	CJR	1
Toluene	1590	ug/l	40	130	50	GRO95/8021		12/12/2014	CJR	1
1,2,4-Trimethylbenzene	1350	ug/l	41.5	130	50	GRO95/8021		12/12/2014	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	43	135	50	GRO95/8021		12/12/2014	CJR	1
m&p-Xylene	5100	ug/l	80	260	50	GRO95/8021		12/12/2014	CJR	1
o-Xylene	1100	ug/l	40.5	130	50	GRO95/8021		12/12/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28157

Lab Code 5028157F
Sample ID MW-103
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	41	ug/l	0.27	0.85	1	GRO95/8021		12/9/2014	CJR	1
Ethylbenzene	4.7	ug/l	0.82	2.6	1	GRO95/8021		12/9/2014	CJR	1
Methyl tert-butyl ether (MTBE)	17.6	ug/l	0.37	1.2	1	GRO95/8021		12/9/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/9/2014	CJR	1
Toluene	1.05 "J"	ug/l	0.8	2.6	1	GRO95/8021		12/9/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/9/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/9/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/9/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/9/2014	CJR	1

Lab Code 5028157G
Sample ID MW-104
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/8/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/8/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/8/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/8/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/8/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/8/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/8/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/8/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/8/2014	CJR	1

Lab Code 5028157H
Sample ID MW-105
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	940	ug/l	2.7	8.5	10	GRO95/8021		12/9/2014	CJR	1
Ethylbenzene	147	ug/l	8.2	26	10	GRO95/8021		12/9/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		12/9/2014	CJR	1
Naphthalene	< 12	ug/l	12	38	10	GRO95/8021		12/9/2014	CJR	1
Toluene	18.2 "J"	ug/l	8	26	10	GRO95/8021		12/9/2014	CJR	1
1,2,4-Trimethylbenzene	15.5 "J"	ug/l	8.3	26	10	GRO95/8021		12/9/2014	CJR	1
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		12/9/2014	CJR	1
m&p-Xylene	56	ug/l	16	52	10	GRO95/8021		12/9/2014	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		12/9/2014	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28157

Lab Code 5028157I
Sample ID MW-106
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 2.7	ug/l	2.7	8.5	10	GRO95/8021		12/8/2014	CJR	1 49
Ethylbenzene	< 8.2	ug/l	8.2	26	10	GRO95/8021		12/8/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		12/8/2014	CJR	1 49
Naphthalene	< 12	ug/l	12	38	10	GRO95/8021		12/8/2014	CJR	1 49
Toluene	< 8	ug/l	8	26	10	GRO95/8021		12/8/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		12/8/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		12/8/2014	CJR	1 49
m&p-Xylene	< 16	ug/l	16	52	10	GRO95/8021		12/8/2014	CJR	1 49
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		12/8/2014	CJR	1 49

Lab Code 5028157J
Sample ID MW-107
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	41	ug/l	2.7	8.5	10	GRO95/8021		12/8/2014	CJR	1 49
Ethylbenzene	< 8.2	ug/l	8.2	26	10	GRO95/8021		12/8/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		12/8/2014	CJR	1 49
Naphthalene	35 "J"	ug/l	12	38	10	GRO95/8021		12/8/2014	CJR	1 49
Toluene	< 8	ug/l	8	26	10	GRO95/8021		12/8/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		12/8/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 8.6	ug/l	8.6	27	10	GRO95/8021		12/8/2014	CJR	1 49
m&p-Xylene	< 16	ug/l	16	52	10	GRO95/8021		12/8/2014	CJR	1 49
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		12/8/2014	CJR	1 49

Lab Code 5028157K
Sample ID MW-109
Sample Matrix Water
Sample Date 12/3/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 1.35	ug/l	1.35	4.25	5	GRO95/8021		12/11/2014	CJR	1 49
Ethylbenzene	< 4.1	ug/l	4.1	13	5	GRO95/8021		12/11/2014	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 1.85	ug/l	1.85	6	5	GRO95/8021		12/11/2014	CJR	1 49
Naphthalene	< 6	ug/l	6	19	5	GRO95/8021		12/11/2014	CJR	1 49
Toluene	< 4	ug/l	4	13	5	GRO95/8021		12/11/2014	CJR	1 49
1,2,4-Trimethylbenzene	< 4.15	ug/l	4.15	13	5	GRO95/8021		12/11/2014	CJR	1 49
1,3,5-Trimethylbenzene	< 4.3	ug/l	4.3	13.5	5	GRO95/8021		12/11/2014	CJR	1 49
m&p-Xylene	< 8	ug/l	8	26	5	GRO95/8021		12/11/2014	CJR	1 49
o-Xylene	< 4.05	ug/l	4.05	13	5	GRO95/8021		12/11/2014	CJR	1 49

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 49 Sample diluted to compensate for matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Michael J. Steel

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: **014-002-010**
Sampler: (signature) **Tim**

Project (Name / Location): **US Oil MKE South**
Reports To: **Tim Pezka** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S Lovers Lane** Address: _____
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis											
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS							PID/ FID	
																					*

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5028669J	EP 02	3/24	10:00		X	N	3	GW	H ₂ O
	EP 05	↓	10:15		X	N	3	GW	H ₂ O

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

* free product

Sample Integrity - To be completed by receiving lab.
Method of Shipment: **Dunkan**
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) **Tim** Time: _____ Date: **3/24/15**
Received By: (sign) **[Signature]** Time: **2:19** Date: **3/24/15**
Received in Laboratory By: **[Signature]** Time: **8:00** Date: **3/25/15**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 03-Apr-15

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28669

Lab Code 5028669A
Sample ID MW 100
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1160	ug/l	23	75	50	GRO95/8021	3/31/2015	LPA		1
Ethylbenzene	160	ug/l	36.5	115	50	GRO95/8021	3/31/2015	LPA		1
Methyl tert-butyl ether (MTBE)	< 24.5	ug/l	24.5	80	50	GRO95/8021	3/31/2015	LPA		1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021	3/31/2015	LPA		1
Toluene	25.5 "J"	ug/l	19.5	60	50	GRO95/8021	3/31/2015	LPA		1
1,2,4-Trimethylbenzene	< 34	ug/l	34	110	50	GRO95/8021	3/31/2015	LPA		1
1,3,5-Trimethylbenzene	< 41.5	ug/l	41.5	130	50	GRO95/8021	3/31/2015	LPA		1
m&p-Xylene	< 70	ug/l	70	220	50	GRO95/8021	3/31/2015	LPA		1
o-Xylene	< 33	ug/l	33	105	50	GRO95/8021	3/31/2015	LPA		1

Lab Code 5028669B
Sample ID MW 101
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4300	ug/l	4.6	15	10	GRO95/8021	3/30/2015	LPA		1
Ethylbenzene	304	ug/l	7.3	23	10	GRO95/8021	3/30/2015	LPA		1
Methyl tert-butyl ether (MTBE)	208	ug/l	4.9	16	10	GRO95/8021	3/30/2015	LPA		1
Naphthalene	95	ug/l	26	83	10	GRO95/8021	3/30/2015	LPA		1
Toluene	97	ug/l	3.9	12	10	GRO95/8021	3/30/2015	LPA		1
1,2,4-Trimethylbenzene	193	ug/l	6.8	22	10	GRO95/8021	3/30/2015	LPA		1
1,3,5-Trimethylbenzene	46	ug/l	8.3	26	10	GRO95/8021	3/30/2015	LPA		1
m&p-Xylene	400	ug/l	14	44	10	GRO95/8021	3/30/2015	LPA		1
o-Xylene	28.6	ug/l	6.6	21	10	GRO95/8021	3/30/2015	LPA		1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28669

Lab Code 5028669C
Sample ID MW 102
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	11000	ug/l	23	75	50	GRO95/8021		3/31/2015	LPA	1
Ethylbenzene	1100	ug/l	36.5	115	50	GRO95/8021		3/31/2015	LPA	1
Methyl tert-butyl ether (MTBE)	560	ug/l	24.5	80	50	GRO95/8021		3/31/2015	LPA	1
Naphthalene	285 "J"	ug/l	130	415	50	GRO95/8021		3/31/2015	LPA	1
Toluene	1140	ug/l	19.5	60	50	GRO95/8021		3/31/2015	LPA	1
1,2,4-Trimethylbenzene	1270	ug/l	34	110	50	GRO95/8021		3/31/2015	LPA	1
1,3,5-Trimethylbenzene	360	ug/l	41.5	130	50	GRO95/8021		3/31/2015	LPA	1
m&p-Xylene	3900	ug/l	70	220	50	GRO95/8021		3/31/2015	LPA	1
o-Xylene	820	ug/l	33	105	50	GRO95/8021		3/31/2015	LPA	1

Lab Code 5028669D
Sample ID MW 103
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	26.2	ug/l	0.46	1.5	1	GRO95/8021		3/30/2015	LPA	1
Ethylbenzene	2.73	ug/l	0.73	2.3	1	GRO95/8021		3/30/2015	LPA	1
Methyl tert-butyl ether (MTBE)	15	ug/l	0.49	1.6	1	GRO95/8021		3/30/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/30/2015	LPA	1
Toluene	1.48	ug/l	0.39	1.2	1	GRO95/8021		3/30/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/30/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/30/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/30/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/30/2015	LPA	1

Lab Code 5028669E
Sample ID MW 104
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/30/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/30/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/30/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/30/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/30/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/30/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/30/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/30/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/30/2015	LPA	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28669

Lab Code 5028669F
Sample ID MW 106
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 4.6	ug/l	4.6	15	10	GRO95/8021		3/30/2015	LPA	1 49
Ethylbenzene	< 7.3	ug/l	7.3	23	10	GRO95/8021		3/30/2015	LPA	1 49
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		3/30/2015	LPA	1 49
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		3/30/2015	LPA	1 49
Toluene	< 3.9	ug/l	3.9	12	10	GRO95/8021		3/30/2015	LPA	1 49
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021		3/30/2015	LPA	1 49
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		3/30/2015	LPA	1 49
m&p-Xylene	< 14	ug/l	14	44	10	GRO95/8021		3/30/2015	LPA	1 49
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021		3/30/2015	LPA	1 49

Lab Code 5028669G
Sample ID MW 107
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	107	ug/l	4.6	15	10	GRO95/8021		3/31/2015	LPA	1
Ethylbenzene	< 7.3	ug/l	7.3	23	10	GRO95/8021		3/31/2015	LPA	1
Methyl tert-butyl ether (MTBE)	8.1 "J"	ug/l	4.9	16	10	GRO95/8021		3/31/2015	LPA	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		3/31/2015	LPA	1
Toluene	< 3.9	ug/l	3.9	12	10	GRO95/8021		3/31/2015	LPA	1
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021		3/31/2015	LPA	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		3/31/2015	LPA	1
m&p-Xylene	< 14	ug/l	14	44	10	GRO95/8021		3/31/2015	LPA	1
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021		3/31/2015	LPA	1

Lab Code 5028669H
Sample ID MW 108
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/30/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/30/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/30/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/30/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/30/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/30/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/30/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/30/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/30/2015	LPA	1

Project Name US OIL MKE SOUTH
Project # 014-002-010

Invoice # E28669

Lab Code 5028669I
Sample ID MW 109
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 2.3	ug/l	2.3	7.5	5	GRO95/8021		3/30/2015	LPA	1 49
Ethylbenzene	< 3.65	ug/l	3.65	11.5	5	GRO95/8021		3/30/2015	LPA	1 49
Methyl tert-butyl ether (MTBE)	< 2.45	ug/l	2.45	8	5	GRO95/8021		3/30/2015	LPA	1 49
Naphthalene	< 13	ug/l	13	41.5	5	GRO95/8021		3/30/2015	LPA	1 49
Toluene	< 1.95	ug/l	1.95	6	5	GRO95/8021		3/30/2015	LPA	1 49
1,2,4-Trimethylbenzene	< 3.4	ug/l	3.4	11	5	GRO95/8021		3/30/2015	LPA	1 49
1,3,5-Trimethylbenzene	< 4.15	ug/l	4.15	13	5	GRO95/8021		3/30/2015	LPA	1 49
m&p-Xylene	< 7.0	ug/l	7	22	5	GRO95/8021		3/30/2015	LPA	1 49
o-Xylene	< 3.3	ug/l	3.3	10.5	5	GRO95/8021		3/30/2015	LPA	1 49

Lab Code 5028669J
Sample ID EP 02
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16000	ug/l	46	150	100	GRO95/8021		3/31/2015	LPA	1
Ethylbenzene	1240	ug/l	73	230	100	GRO95/8021		3/31/2015	LPA	1
Methyl tert-butyl ether (MTBE)	430	ug/l	49	160	100	GRO95/8021		3/31/2015	LPA	1
Naphthalene	390 "J"	ug/l	260	830	100	GRO95/8021		3/31/2015	LPA	1
Toluene	620	ug/l	39	120	100	GRO95/8021		3/31/2015	LPA	1
1,2,4-Trimethylbenzene	1440	ug/l	68	220	100	GRO95/8021		3/31/2015	LPA	1
1,3,5-Trimethylbenzene	430	ug/l	83	260	100	GRO95/8021		3/31/2015	LPA	1
m&p-Xylene	5700	ug/l	140	440	100	GRO95/8021		3/31/2015	LPA	1
o-Xylene	780	ug/l	66	210	100	GRO95/8021		3/31/2015	LPA	1

Lab Code 5028669K
Sample ID EP 05
Sample Matrix Water
Sample Date 3/24/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/30/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/30/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/30/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/30/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/30/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/30/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/30/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/30/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/30/2015	LPA	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 49 Sample diluted to compensate for matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 014-002-011
Sampler: (signature) Tim Petrich

Project (Name / Location): US oil milwaukee South
Reports To: Tim Petrich Invoice To: _____
Company: Endpoint Solutions Company: _____
Address: 6871 S. lovers Lane Address: Same
City State Zip: Franklin, WI City State Zip: _____
Phone: 414 858 1210 Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID					
								<input checked="" type="checkbox"/>											
								<input checked="" type="checkbox"/>											

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>Sol 2017k</u>	<u>EP-2</u>	<u>6/3/15</u>	<u>1315</u>		<input checked="" type="checkbox"/>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCl</u>
	<u>EP-5</u>	<u>↓</u>	<u>1330</u>		<input checked="" type="checkbox"/>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCl</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Hand
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) Tim Petrich Time 2:15 Date 6/3/15
Received By: (sign) [Signature] Time 2:15 Date 6/3/15

Received in Laboratory By: [Signature] Time: 8:00 Date: 6/4/15

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 10-Jun-15

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29017

Lab Code 5029017A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1120	ug/l	4.6	15	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
Ethylbenzene	283	ug/l	7.3	23	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
Naphthalene	32 "J"	ug/l	26	83	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
Toluene	51	ug/l	3.9	12	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
1,2,4-Trimethylbenzene	70	ug/l	6.8	22	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
m&p-Xylene	155	ug/l	14	44	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1
o-Xylene	19.3 "J"	ug/l	6.6	21	10	GRO95/8021	6/5/2015	6/5/2015	LPA	1

Lab Code 5029017B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5300	ug/l	9.2	30	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
Ethylbenzene	340	ug/l	14.6	46	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
Methyl tert-butyl ether (MTBE)	264	ug/l	9.8	32	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
Naphthalene	131 "J"	ug/l	52	166	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
Toluene	172	ug/l	7.8	24	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
1,2,4-Trimethylbenzene	254	ug/l	13.6	44	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
1,3,5-Trimethylbenzene	69	ug/l	16.6	52	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
m&p-Xylene	560	ug/l	28	88	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1
o-Xylene	76	ug/l	13.2	42	20	GRO95/8021	6/6/2015	6/6/2015	LPA	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29017

Lab Code 5029017C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	10700	ug/l	23	75	50	GRO95/8021		6/6/2015	LPA	1
Ethylbenzene	1040	ug/l	36.5	115	50	GRO95/8021		6/6/2015	LPA	1
Methyl tert-butyl ether (MTBE)	400	ug/l	24.5	80	50	GRO95/8021		6/6/2015	LPA	1
Naphthalene	199 "J"	ug/l	130	415	50	GRO95/8021		6/6/2015	LPA	1
Toluene	1370	ug/l	19.5	60	50	GRO95/8021		6/6/2015	LPA	1
1,2,4-Trimethylbenzene	1030	ug/l	34	110	50	GRO95/8021		6/6/2015	LPA	1
1,3,5-Trimethylbenzene	293	ug/l	41.5	130	50	GRO95/8021		6/6/2015	LPA	1
m&p-Xylene	3700	ug/l	70	220	50	GRO95/8021		6/6/2015	LPA	1
o-Xylene	710	ug/l	33	105	50	GRO95/8021		6/6/2015	LPA	1

Lab Code 5029017D
Sample ID MW-103
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	166	ug/l	0.46	1.5	1	GRO95/8021		6/5/2015	LPA	1
Ethylbenzene	97	ug/l	0.73	2.3	1	GRO95/8021		6/5/2015	LPA	1
Methyl tert-butyl ether (MTBE)	13	ug/l	0.49	1.6	1	GRO95/8021		6/5/2015	LPA	1
Naphthalene	4.0 "J"	ug/l	2.6	8.3	1	GRO95/8021		6/5/2015	LPA	1
Toluene	7.9	ug/l	0.39	1.2	1	GRO95/8021		6/5/2015	LPA	1
1,2,4-Trimethylbenzene	12.8	ug/l	0.68	2.2	1	GRO95/8021		6/5/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/5/2015	LPA	1
m&p-Xylene	13.1	ug/l	1.4	4.4	1	GRO95/8021		6/5/2015	LPA	1
o-Xylene	0.69 "J"	ug/l	0.66	2.1	1	GRO95/8021		6/5/2015	LPA	1

Lab Code 5029017E
Sample ID MW-104
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/8/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/8/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/8/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/8/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/8/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/8/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/8/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/8/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/8/2015	LPA	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29017

Lab Code 5029017F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	660	ug/l	4.6	15	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Ethylbenzene	92	ug/l	7.3	23	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Toluene	< 3.9	ug/l	3.9	12	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
1,2,4-Trimethylbenzene	7.9 "J"	ug/l	6.8	22	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
m&p-Xylene	20.1 "J"	ug/l	14	44	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1

Lab Code 5029017G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 2.3	ug/l	2.3	7.5	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
Ethylbenzene	< 3.65	ug/l	3.65	11.5	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
Methyl tert-butyl ether (MTBE)	< 2.45	ug/l	2.45	8	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
Naphthalene	< 13	ug/l	13	41.5	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
Toluene	< 1.95	ug/l	1.95	6	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
1,2,4-Trimethylbenzene	< 3.4	ug/l	3.4	11	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
1,3,5-Trimethylbenzene	< 4.15	ug/l	4.15	13	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
m&p-Xylene	< 7	ug/l	7	22	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49
o-Xylene	< 3.3	ug/l	3.3	10.5	5	GRO95/8021	6/8/2015	6/8/2015	LPA	1 49

Lab Code 5029017H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	122	ug/l	4.6	15	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Ethylbenzene	< 7.3	ug/l	7.3	23	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
Toluene	< 3.9	ug/l	3.9	12	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
m&p-Xylene	< 14	ug/l	14	44	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021	6/9/2015	6/9/2015	LPA	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29017

Lab Code 5029017I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/8/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/8/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/8/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/8/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/8/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/8/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/8/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/8/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/8/2015	LPA	1

Lab Code 5029017J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/8/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/8/2015	LPA	1
Methyl tert-butyl ether (MTBE)	2.09	ug/l	0.49	1.6	1	GRO95/8021		6/8/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/8/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/8/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/8/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/8/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/8/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/8/2015	LPA	1

Lab Code 5029017K
Sample ID EP-2
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16700	ug/l	46	150	100	GRO95/8021		6/9/2015	LPA	1
Ethylbenzene	1310	ug/l	73	230	100	GRO95/8021		6/9/2015	LPA	1
Methyl tert-butyl ether (MTBE)	460	ug/l	49	160	100	GRO95/8021		6/9/2015	LPA	1
Naphthalene	302 "J"	ug/l	260	830	100	GRO95/8021		6/9/2015	LPA	1
Toluene	650	ug/l	39	120	100	GRO95/8021		6/9/2015	LPA	1
1,2,4-Trimethylbenzene	1250	ug/l	68	220	100	GRO95/8021		6/9/2015	LPA	1
1,3,5-Trimethylbenzene	370	ug/l	83	260	100	GRO95/8021		6/9/2015	LPA	1
m&p-Xylene	5100	ug/l	140	440	100	GRO95/8021		6/9/2015	LPA	1
o-Xylene	304	ug/l	66	210	100	GRO95/8021		6/9/2015	LPA	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29017

Lab Code 5029017L
Sample ID EP-5
Sample Matrix Water
Sample Date 6/3/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021	6/8/2015	6/8/2015	LPA	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 49 Sample diluted to compensate for matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-011**
Sampler: (signature) *Tim Petrich*

Project (Name / Location): **vs oil Milwaukee South**
Reports To: **Tim Petrich** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S. lovers Lane** Address: *Same*
City State Zip: **Franklin, WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID					
								X											

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5029665A	MW-100	9/14/15	1:00		X	N	3	GW	Hcl
B	MW-101								
C	MW-102								
D	MW-103								
E	MW-104								
F	MW-105								
G	MW-106								
H	MW-107								
I	MW-108								
J	MW-109								

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Dunham
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (signature) *Tim Petrich* Time: 2:10 Date: 9/14/15
Received By: (signature) *[Signature]* Time: 2:11 Date: 9/14/15
Received in Laboratory By: (signature) *[Signature]* Time: 7:45 Date: 9-15-15

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: **014-002-011**
 Sampler: (signature) *Tim Petruca*

Project (Name / Location): **US oil Milwaukee south**

Reports To: **Tim Petruca** Invoice To: _____
 Company: **Endpoint solutions** Company: _____
 Address: **6871 S. lovers lane** Address: *Same*
 City State Zip: **Franklin, WI** City State Zip: _____
 Phone: **414-858-1210** Phone: _____
 FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
		Date	Time																						
5029665k	EP-2	9/14	1330		X	N	3	GW	HTD																
	EP-5	9/14	1345		X	N	3	GW	HTD																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Overnight
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *Tim Petruca* Time: 2:10 Date: 9/14/15
 Received By: (sign) *Tim* Time: 2:11 Date: 9/14/15
 Received in Laboratory By: *Mark King* Time: 7:45 Date: 9.15.15

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 18-Sep-15

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29665

Lab Code 5029665A
Sample ID MW-100
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1590	ug/l	23	75	50	GRO95/8021		9/16/2015	CJR	1
Ethylbenzene	266	ug/l	36.5	115	50	GRO95/8021		9/16/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 24.5	ug/l	24.5	80	50	GRO95/8021		9/16/2015	CJR	1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021		9/16/2015	CJR	1
Toluene	53 "J"	ug/l	19.5	60	50	GRO95/8021		9/16/2015	CJR	1
1,2,4-Trimethylbenzene	45 "J"	ug/l	34	110	50	GRO95/8021		9/16/2015	CJR	1
1,3,5-Trimethylbenzene	< 41.5	ug/l	41.5	130	50	GRO95/8021		9/16/2015	CJR	1
m&p-Xylene	73 "J"	ug/l	70	220	50	GRO95/8021		9/16/2015	CJR	1
o-Xylene	39 "J"	ug/l	33	105	50	GRO95/8021		9/16/2015	CJR	1

Lab Code 5029665B
Sample ID MW-101
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6600	ug/l	46	150	100	GRO95/8021		9/16/2015	CJR	1
Ethylbenzene	400	ug/l	73	230	100	GRO95/8021		9/16/2015	CJR	1
Methyl tert-butyl ether (MTBE)	312	ug/l	49	160	100	GRO95/8021		9/16/2015	CJR	1
Naphthalene	< 260	ug/l	260	830	100	GRO95/8021		9/16/2015	CJR	1
Toluene	160	ug/l	39	120	100	GRO95/8021		9/16/2015	CJR	1
1,2,4-Trimethylbenzene	285	ug/l	68	220	100	GRO95/8021		9/16/2015	CJR	1
1,3,5-Trimethylbenzene	< 83	ug/l	83	260	100	GRO95/8021		9/16/2015	CJR	1
m&p-Xylene	590	ug/l	140	440	100	GRO95/8021		9/16/2015	CJR	1
o-Xylene	92 "J"	ug/l	66	210	100	GRO95/8021		9/16/2015	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29665

Lab Code 5029665C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	15900	ug/l	92	300	200	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	1630	ug/l	146	460	200	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	610	ug/l	98	320	200	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 520	ug/l	520	1660	200	GRO95/8021		9/17/2015	CJR	1
Toluene	1870	ug/l	78	240	200	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	1460	ug/l	136	440	200	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	420 "J"	ug/l	166	520	200	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	5300	ug/l	280	880	200	GRO95/8021		9/17/2015	CJR	1
o-Xylene	1140	ug/l	132	420	200	GRO95/8021		9/17/2015	CJR	1

Lab Code 5029665D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	36	ug/l	0.46	1.5	1	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	2.01 "J"	ug/l	0.73	2.3	1	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	20.3	ug/l	0.49	1.6	1	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/17/2015	CJR	1
Toluene	1.31	ug/l	0.39	1.2	1	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/17/2015	CJR	1

Lab Code 5029665E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/17/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/17/2015	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29665

Lab Code 5029665F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1070	ug/l	9.2	30	20	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	165	ug/l	14.6	46	20	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 9.8	ug/l	9.8	32	20	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 52	ug/l	52	166	20	GRO95/8021		9/17/2015	CJR	1
Toluene	29.5	ug/l	7.8	24	20	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	26.7 "J"	ug/l	13.6	44	20	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 16.6	ug/l	16.6	52	20	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	83 "J"	ug/l	28	88	20	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 13.2	ug/l	13.2	42	20	GRO95/8021		9/17/2015	CJR	1

Lab Code 5029665G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 4.6	ug/l	4.6	15	10	GRO95/8021		9/18/2015	CJR	1
Ethylbenzene	< 7.3	ug/l	7.3	23	10	GRO95/8021		9/18/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		9/18/2015	CJR	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		9/18/2015	CJR	1
Toluene	< 3.9	ug/l	3.9	12	10	GRO95/8021		9/18/2015	CJR	1
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021		9/18/2015	CJR	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		9/18/2015	CJR	1
m&p-Xylene	< 14	ug/l	14	44	10	GRO95/8021		9/18/2015	CJR	1
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021		9/18/2015	CJR	1

Lab Code 5029665H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	82	ug/l	0.46	1.5	1	GRO95/8021		9/18/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/18/2015	CJR	1
Methyl tert-butyl ether (MTBE)	6.6	ug/l	0.49	1.6	1	GRO95/8021		9/18/2015	CJR	1
Naphthalene	9.9	ug/l	2.6	8.3	1	GRO95/8021		9/18/2015	CJR	1
Toluene	0.94 "J"	ug/l	0.39	1.2	1	GRO95/8021		9/18/2015	CJR	1
1,2,4-Trimethylbenzene	1.2 "J"	ug/l	0.68	2.2	1	GRO95/8021		9/18/2015	CJR	1
1,3,5-Trimethylbenzene	1.01 "J"	ug/l	0.83	2.6	1	GRO95/8021		9/18/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/18/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/18/2015	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29665

Lab Code 5029665I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/17/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/17/2015	CJR	1

Lab Code 5029665J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	2.36	ug/l	0.49	1.6	1	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/17/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/17/2015	CJR	1

Lab Code 5029665K
Sample ID EP-2
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	23100	ug/l	46	150	100	GRO95/8021		9/18/2015	CJR	3
Ethylbenzene	2640	ug/l	73	230	100	GRO95/8021		9/18/2015	CJR	1
Methyl tert-butyl ether (MTBE)	460	ug/l	49	160	100	GRO95/8021		9/18/2015	CJR	1
Naphthalene	750 "J"	ug/l	260	830	100	GRO95/8021		9/18/2015	CJR	3
Toluene	1030	ug/l	39	120	100	GRO95/8021		9/18/2015	CJR	1
1,2,4-Trimethylbenzene	1790	ug/l	68	220	100	GRO95/8021		9/18/2015	CJR	1
1,3,5-Trimethylbenzene	520	ug/l	83	260	100	GRO95/8021		9/18/2015	CJR	1
m&p-Xylene	8000	ug/l	140	440	100	GRO95/8021		9/18/2015	CJR	1
o-Xylene	1560	ug/l	66	210	100	GRO95/8021		9/18/2015	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-011

Invoice # E29665

Lab Code 5029665L
Sample ID EP-5
Sample Matrix Water
Sample Date 9/14/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/17/2015	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/17/2015	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/17/2015	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/17/2015	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/17/2015	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/17/2015	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/17/2015	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/17/2015	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/17/2015	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014 - 002 - 012**
Sampler: (signature) *Walls*

Project (Name / Location): **PS oil Milwaukee South**
Reports To: **Tim Petrick** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S. Wiers Lane** Address: *Same*
City State Zip: **Milwaukee, WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis											
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS							PID/ FID	
								X													

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503079A	MW-100	12/30	14:00		X	N	3	GW	HQ
B	MW-101		13:55						
C	MW-102		13:45						
D	MW-103		13:30						
E	MW-104		13:25						
F	MW-105		13:40						
G	MW-106		12:40						
H	MW-107		12:45						
I	MW-108		13:00						
J	MW-109		13:15						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: *Dry*
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Walls* Time: *14:30* Date: *12/30/15*
Received By: (sign) *JEA* Time: _____ Date: *14:31 12/30/15*

Received in Laboratory By: *Chris P...* Time: *9:00* Date: *12/31/15*

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-012**
Sampler: (signature) *Wally*

Project (Name / Location): **VS oil Milwaukee South**
Reports To: **Tim Petrick** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S covers lane** Address: *Same*
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested												Other Analysis											
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID									
								<input checked="" type="checkbox"/>															
								<input checked="" type="checkbox"/>															

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5030299k	EP-02	12/30	13:10		X	2	3	GW	Hcl
	LEP-05	12/30	12:35		X	2	3	GW	Hcl

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: *Perman*
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Wally* Time: **14:30** Date: **12/30/15**
Received By: (sign) *[Signature]* Time: **14:31** Date: **12/30/15**

Received in Laboratory By: *[Signature]* Time: **9:00** Date: **12/31/15**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 08-Jan-16

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-012

Invoice # E30299

Lab Code 5030299A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1090	ug/l	4.6	15	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Ethylbenzene	198	ug/l	7.3	23	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Naphthalene	44 "J"	ug/l	26	83	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Toluene	49	ug/l	3.9	12	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
1,2,4-Trimethylbenzene	64	ug/l	6.8	22	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
1,3,5-Trimethylbenzene	14.4 "J"	ug/l	8.3	26	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
m&p-Xylene	177	ug/l	14	44	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1
o-Xylene	19.3 "J"	ug/l	6.6	21	10	GRO95/8021	1/5/2016	1/5/2016	CJR	1

Lab Code 5030299B
Sample ID MW-101
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5900	ug/l	23	75	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Ethylbenzene	307	ug/l	36.5	115	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	293	ug/l	24.5	80	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
Toluene	147	ug/l	19.5	60	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
1,2,4-Trimethylbenzene	211	ug/l	34	110	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
1,3,5-Trimethylbenzene	62 "J"	ug/l	41.5	130	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
m&p-Xylene	490	ug/l	70	220	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1
o-Xylene	55 "J"	ug/l	33	105	50	GRO95/8021	1/5/2016	1/5/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-012

Invoice # E30299

Lab Code 5030299C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13200	ug/l	46	150	100	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	1460	ug/l	73	230	100	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	530	ug/l	49	160	100	GRO95/8021		1/5/2016	CJR	1
Naphthalene	350 "J"	ug/l	260	830	100	GRO95/8021		1/5/2016	CJR	1
Toluene	1160	ug/l	39	120	100	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	1370	ug/l	68	220	100	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	380	ug/l	83	260	100	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	4200	ug/l	140	440	100	GRO95/8021		1/5/2016	CJR	1
o-Xylene	500	ug/l	66	210	100	GRO95/8021		1/5/2016	CJR	1

Lab Code 5030299D
Sample ID MW-103
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	64	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	28.1	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	12.6	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	3.7	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	2.37	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	1.5 "J"	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	9.1	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	1.02 "J"	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

Lab Code 5030299E
Sample ID MW-104
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-012

Invoice # E30299

Lab Code 5030299F
Sample ID MW-105
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	261	ug/l	4.6	15	10	GRO95/8021		1/7/2016	CJR	1
Ethylbenzene	61	ug/l	7.3	23	10	GRO95/8021		1/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		1/7/2016	CJR	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		1/7/2016	CJR	1
Toluene	12.6	ug/l	3.9	12	10	GRO95/8021		1/7/2016	CJR	1
1,2,4-Trimethylbenzene	17 "J"	ug/l	6.8	22	10	GRO95/8021		1/7/2016	CJR	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		1/7/2016	CJR	1
m&p-Xylene	36 "J"	ug/l	14	44	10	GRO95/8021		1/7/2016	CJR	1
o-Xylene	< 6.6	ug/l	6.6	21	10	GRO95/8021		1/7/2016	CJR	1

Lab Code 5030299G
Sample ID MW-106
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

Lab Code 5030299H
Sample ID MW-107
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	22.2	ug/l	0.46	1.5	1	GRO95/8021		1/7/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	4.2	ug/l	0.49	1.6	1	GRO95/8021		1/7/2016	CJR	1
Naphthalene	4.7 "J"	ug/l	2.6	8.3	1	GRO95/8021		1/7/2016	CJR	1
Toluene	0.66 "J"	ug/l	0.39	1.2	1	GRO95/8021		1/7/2016	CJR	1
1,2,4-Trimethylbenzene	1.18 "J"	ug/l	0.68	2.2	1	GRO95/8021		1/7/2016	CJR	1
1,3,5-Trimethylbenzene	1.23 "J"	ug/l	0.83	2.6	1	GRO95/8021		1/7/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/7/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/7/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-012

Invoice # E30299

Lab Code 5030299I
Sample ID MW-108
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

Lab Code 5030299J
Sample ID MW-109
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	1.59 "J"	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

Lab Code 5030299K
Sample ID EP-02
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	19700	ug/l	92	300	200	GRO95/8021		1/7/2016	CJR	1
Ethylbenzene	2050	ug/l	146	460	200	GRO95/8021		1/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	470	ug/l	98	320	200	GRO95/8021		1/7/2016	CJR	1
Naphthalene	< 520	ug/l	520	1660	200	GRO95/8021		1/7/2016	CJR	1
Toluene	490	ug/l	78	240	200	GRO95/8021		1/7/2016	CJR	1
1,2,4-Trimethylbenzene	1660	ug/l	136	440	200	GRO95/8021		1/7/2016	CJR	1
1,3,5-Trimethylbenzene	480 "J"	ug/l	166	520	200	GRO95/8021		1/7/2016	CJR	1
m&p-Xylene	5800	ug/l	280	880	200	GRO95/8021		1/7/2016	CJR	1
o-Xylene	302 "J"	ug/l	132	420	200	GRO95/8021		1/7/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-012

Invoice # E30299

Lab Code 5030299L
Sample ID EP-05
Sample Matrix Water
Sample Date 12/30/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		1/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		1/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		1/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		1/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		1/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		1/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		1/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		1/5/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 22-Mar-16

Project Name US OIL MILWAUKEE SOUTH TERM
Project # 014-002-012

Invoice # E30666

Lab Code 5030666A
Sample ID MW-100
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1110	ug/l	4.6	15	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Ethylbenzene	163	ug/l	7.3	23	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Toluene	34	ug/l	3.9	12	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
1,2,4-Trimethylbenzene	17.8 "J"	ug/l	6.8	22	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
m&p-Xylene	60	ug/l	14	44	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1
o-Xylene	13.5 "J"	ug/l	6.6	21	10	GRO95/8021	3/17/2016	3/17/2016	CJR	1

Lab Code 5030666B
Sample ID MW-101
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4800	ug/l	23	75	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Ethylbenzene	187	ug/l	36.5	115	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	234	ug/l	24.5	80	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
Toluene	123	ug/l	19.5	60	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
1,2,4-Trimethylbenzene	170	ug/l	34	110	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 41.5	ug/l	41.5	130	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
m&p-Xylene	410	ug/l	70	220	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1
o-Xylene	51 "J"	ug/l	33	105	50	GRO95/8021	3/17/2016	3/17/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH TERM
Project # 014-002-012

Invoice # E30666

Lab Code 5030666C
Sample ID MW-102
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12500	ug/l	46	150	100	GRO95/8021		3/17/2016	CJR	1
Ethylbenzene	1380	ug/l	73	230	100	GRO95/8021		3/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	440	ug/l	49	160	100	GRO95/8021		3/17/2016	CJR	1
Naphthalene	313 "J"	ug/l	260	830	100	GRO95/8021		3/17/2016	CJR	1
Toluene	1280	ug/l	39	120	100	GRO95/8021		3/17/2016	CJR	1
1,2,4-Trimethylbenzene	1270	ug/l	68	220	100	GRO95/8021		3/17/2016	CJR	1
1,3,5-Trimethylbenzene	350	ug/l	83	260	100	GRO95/8021		3/17/2016	CJR	1
m&p-Xylene	4700	ug/l	140	440	100	GRO95/8021		3/17/2016	CJR	1
o-Xylene	850	ug/l	66	210	100	GRO95/8021		3/17/2016	CJR	1

Lab Code 5030666D
Sample ID MW-103
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	128	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	48	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	4.2 "J"	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	7.3	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	4.6	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	1.97 "J"	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	17.1	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	1.29 "J"	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Lab Code 5030666E
Sample ID MW-104
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH TERM
Project # 014-002-012

Invoice # E30666

Lab Code 5030666F
Sample ID MW-105
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	420	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	65	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	9.9	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	18.8	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	60	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	1.46 "J"	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	76	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	5.9	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Lab Code 5030666G
Sample ID MW-106
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Lab Code 5030666H
Sample ID MW-107
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	18.5	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	4.3	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	0.51 "J"	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH TERM
Project # 014-002-012

Invoice # E30666

Lab Code 5030666I
Sample ID MW-108
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Lab Code 5030666J
Sample ID MW-109
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	1.21 "J"	ug/l	0.49	1.6	1	GRO95/8021		3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		3/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		3/21/2016	CJR	1

Lab Code 5030666K
Sample ID EP-2
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	19300	ug/l	46	150	100	GRO95/8021		3/22/2016	CJR	1
Ethylbenzene	1660	ug/l	73	230	100	GRO95/8021		3/22/2016	CJR	1
Methyl tert-butyl ether (MTBE)	450	ug/l	49	160	100	GRO95/8021		3/22/2016	CJR	1
Naphthalene	650 "J"	ug/l	260	830	100	GRO95/8021		3/22/2016	CJR	1
Toluene	1710	ug/l	39	120	100	GRO95/8021		3/22/2016	CJR	1
1,2,4-Trimethylbenzene	1530	ug/l	68	220	100	GRO95/8021		3/22/2016	CJR	1
1,3,5-Trimethylbenzene	430	ug/l	83	260	100	GRO95/8021		3/22/2016	CJR	1
m&p-Xylene	5800	ug/l	140	440	100	GRO95/8021		3/22/2016	CJR	1
o-Xylene	640	ug/l	66	210	100	GRO95/8021		3/22/2016	CJR	1

Project Name US OIL MILWAUKEE SOUTH TERM
Project # 014-002-012

Invoice # E30666

Lab Code 5030666L
Sample ID EP-5
Sample Matrix Water
Sample Date 3/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021	3/21/2016	3/21/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-012**
Sampler: (signature) *Tim Petrick*

Project (Name / Location): **US Oil MKE South**

Reports To: **Tim Petrick** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S lovers lane** Address: *Same*
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
5051236 A	MW-100	6/16/16 8:45		X	N	3	GW	HCl									X						
B	MW-101	9:00																					
C	MW-102	9:05																					
D	MW-103	9:30																					
E	MW-104	9:45																					
F	MW-105	10:15																					
G	MW-106	10:15																					
H	MW-107	10:30																					
I	MW-108	10:45																					
J	MW-109	11:00																					

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: SM

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *Tim Petrick*

Time 1:26 PM Date 6/16/16

Received By: (sign) *[Signature]*

Time 1:26 Date 6/16/16

Received in Laboratory By: *[Signature]*

Time: 8:00 AM

Date: 6-17-16

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-012**
Sampler: (signature) *Tim Petrich*

Project (Name / Location): **US oil MKE South**

Reports To: **Tim Petrich** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S Lovers Lane** Address: *Same*
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
		Date	Time																						
5031236k	EP-2	6/16/16	11:55		X	N	3	GW	H ₂ O																
	EP-5	6/16/16	11:30		X	N	3	GW	H ₂ O									X							

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: SM

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *Tim Petrich*

Time 1:00 PM Date 6/16/16

Received By: (sign) *[Signature]*

Time 1:26 Date 6/16/16

Received in Laboratory By: *[Signature]*

Time: 8:00 AM Date: 6-17-16

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 24-Jun-16

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31236

Lab Code 5031236A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1310	ug/l	4.6	15	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Ethylbenzene	276	ug/l	7.3	23	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Naphthalene	28.5 "J"	ug/l	26	83	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Toluene	54	ug/l	3.9	12	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
1,2,4-Trimethylbenzene	24	ug/l	6.8	22	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
1,3,5-Trimethylbenzene	20.8 "J"	ug/l	8.3	26	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
m&p-Xylene	97	ug/l	14	44	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1
o-Xylene	15.3 "J"	ug/l	6.6	21	10	GRO95/8021	6/18/2016	6/18/2016	CJR	1

Lab Code 5031236B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4900	ug/l	23	75	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Ethylbenzene	187	ug/l	36.5	115	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	275	ug/l	24.5	80	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
Toluene	99	ug/l	19.5	60	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
1,2,4-Trimethylbenzene	127	ug/l	34	110	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
1,3,5-Trimethylbenzene	74 "J"	ug/l	41.5	130	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
m&p-Xylene	340	ug/l	70	220	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1
o-Xylene	41 "J"	ug/l	33	105	50	GRO95/8021	6/18/2016	6/18/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31236

Lab Code 5031236C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12600	ug/l	46	150	100	GRO95/8021		6/18/2016	CJR	1
Ethylbenzene	1230	ug/l	73	230	100	GRO95/8021		6/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	490	ug/l	49	160	100	GRO95/8021		6/18/2016	CJR	1
Naphthalene	315 "J"	ug/l	260	830	100	GRO95/8021		6/18/2016	CJR	1
Toluene	920	ug/l	39	120	100	GRO95/8021		6/18/2016	CJR	1
1,2,4-Trimethylbenzene	1270	ug/l	68	220	100	GRO95/8021		6/18/2016	CJR	1
1,3,5-Trimethylbenzene	360	ug/l	83	260	100	GRO95/8021		6/18/2016	CJR	1
m&p-Xylene	4600	ug/l	140	440	100	GRO95/8021		6/18/2016	CJR	1
o-Xylene	510	ug/l	66	210	100	GRO95/8021		6/18/2016	CJR	1

Lab Code 5031236D
Sample ID MW-103
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	17.1	ug/l	0.46	1.5	1	GRO95/8021		6/17/2016	CJR	1
Ethylbenzene	10.1	ug/l	0.73	2.3	1	GRO95/8021		6/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	19.8	ug/l	0.49	1.6	1	GRO95/8021		6/17/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/17/2016	CJR	1
Toluene	1.49	ug/l	0.39	1.2	1	GRO95/8021		6/17/2016	CJR	1
1,2,4-Trimethylbenzene	0.70 "J"	ug/l	0.68	2.2	1	GRO95/8021		6/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/17/2016	CJR	1
m&p-Xylene	2.3 "J"	ug/l	1.4	4.4	1	GRO95/8021		6/17/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/17/2016	CJR	1

Lab Code 5031236E
Sample ID MW-104
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/17/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/17/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/17/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/17/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/17/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/17/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/17/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31236

Lab Code 5031236F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	580	ug/l	4.6	15	10	GRO95/8021		6/22/2016	CJR	1
Ethylbenzene	39	ug/l	0.73	2.3	1	GRO95/8021		6/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/17/2016	CJR	1
Naphthalene	10.3	ug/l	2.6	8.3	1	GRO95/8021		6/17/2016	CJR	1
Toluene	12.4	ug/l	0.39	1.2	1	GRO95/8021		6/17/2016	CJR	1
1,2,4-Trimethylbenzene	15.9	ug/l	0.68	2.2	1	GRO95/8021		6/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/17/2016	CJR	1
m&p-Xylene	23.8	ug/l	1.4	4.4	1	GRO95/8021		6/17/2016	CJR	1
o-Xylene	2.81	ug/l	0.66	2.1	1	GRO95/8021		6/17/2016	CJR	1

Lab Code 5031236G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/23/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/23/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/23/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/23/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/23/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/23/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/23/2016	CJR	1

Lab Code 5031236H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	33	ug/l	0.46	1.5	1	GRO95/8021		6/23/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	8.8	ug/l	0.49	1.6	1	GRO95/8021		6/23/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/23/2016	CJR	1
Toluene	0.65 "J"	ug/l	0.39	1.2	1	GRO95/8021		6/23/2016	CJR	1
1,2,4-Trimethylbenzene	1.2 "J"	ug/l	0.68	2.2	1	GRO95/8021		6/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/23/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/23/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/23/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31236

Lab Code 5031236I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		6/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/21/2016	CJR	1

Lab Code 5031236J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		6/23/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		6/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	1.3 "J"	ug/l	0.49	1.6	1	GRO95/8021		6/23/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		6/23/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		6/23/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		6/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		6/23/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		6/23/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		6/23/2016	CJR	1

Lab Code 5031236K
Sample ID EP-2
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	18500	ug/l	46	150	100	GRO95/8021		6/22/2016	CJR	1
Ethylbenzene	1400	ug/l	73	230	100	GRO95/8021		6/22/2016	CJR	1
Methyl tert-butyl ether (MTBE)	510	ug/l	49	160	100	GRO95/8021		6/22/2016	CJR	1
Naphthalene	710 "J"	ug/l	260	830	100	GRO95/8021		6/22/2016	CJR	1
Toluene	930	ug/l	39	120	100	GRO95/8021		6/22/2016	CJR	1
1,2,4-Trimethylbenzene	1430	ug/l	68	220	100	GRO95/8021		6/22/2016	CJR	1
1,3,5-Trimethylbenzene	380	ug/l	83	260	100	GRO95/8021		6/22/2016	CJR	1
m&p-Xylene	5300	ug/l	140	440	100	GRO95/8021		6/22/2016	CJR	1
o-Xylene	390	ug/l	66	210	100	GRO95/8021		6/22/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31236

Lab Code 5031236L
Sample ID EP-5
Sample Matrix Water
Sample Date 6/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021	6/21/2016	6/21/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # **No 286**

Page 2 of 2

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 014-002-012
Sampler: (signature) Tim Petric

Project (Name / Location): DS oil MKE South

Reports To: Tim Petric
Company: Endpoint Solutions
Address: 6871 S. Wavers Lane
City State Zip: Franklin WI
Phone: 414 858 1210
FAX: _____

Invoice To: _____
Company: _____
Address: [Signature]
City State Zip: _____
Phone: _____
FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS							PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>2031788 K</u>	<u>EP-2</u>	<u>9/27/16</u>	<u>1100</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>
<u>L</u>	<u>EP-5</u>	<u>9/27/16</u>	<u>800</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: SM
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) [Signature] Time: 1:30 Date: 9/27/16
Received By: (sign) [Signature] Time: 1:37 Date: 9/27/16

Received in Laboratory By: [Signature] Time: 8:00 Date: 9/28/16

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 07-Oct-16

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31788

Lab Code 5031788A
Sample ID MW-100
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1170	ug/l	4.6	15	10	GRO95/8021		9/30/2016	CJR	1
Ethylbenzene	137	ug/l	7.3	23	10	GRO95/8021		9/30/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		9/30/2016	CJR	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		9/30/2016	CJR	1
Toluene	33	ug/l	3.9	12	10	GRO95/8021		9/30/2016	CJR	1
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021		9/30/2016	CJR	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		9/30/2016	CJR	1
m&p-Xylene	24 "J"	ug/l	14	44	10	GRO95/8021		9/30/2016	CJR	1
o-Xylene	7.4 "J"	ug/l	6.6	21	10	GRO95/8021		9/30/2016	CJR	1

Lab Code 5031788B
Sample ID MW-101
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4700	ug/l	23	75	50	GRO95/8021		10/1/2016	CJR	3
Ethylbenzene	204	ug/l	36.5	115	50	GRO95/8021		10/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	263	ug/l	24.5	80	50	GRO95/8021		10/1/2016	CJR	1
Naphthalene	161 "J"	ug/l	130	415	50	GRO95/8021		10/1/2016	CJR	1
Toluene	89	ug/l	19.5	60	50	GRO95/8021		10/1/2016	CJR	1
1,2,4-Trimethylbenzene	91 "J"	ug/l	34	110	50	GRO95/8021		10/1/2016	CJR	1
1,3,5-Trimethylbenzene	< 41.5	ug/l	41.5	130	50	GRO95/8021		10/1/2016	CJR	1
m&p-Xylene	265	ug/l	70	220	50	GRO95/8021		10/1/2016	CJR	1
o-Xylene	34 "J"	ug/l	33	105	50	GRO95/8021		10/1/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31788

Lab Code 5031788C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	11400	ug/l	46	150	100	GRO95/8021		10/1/2016	CJR	1
Ethylbenzene	1420	ug/l	73	230	100	GRO95/8021		10/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	440	ug/l	49	160	100	GRO95/8021		10/1/2016	CJR	1
Naphthalene	490 "J"	ug/l	260	830	100	GRO95/8021		10/1/2016	CJR	1
Toluene	1400	ug/l	39	120	100	GRO95/8021		10/1/2016	CJR	1
1,2,4-Trimethylbenzene	1370	ug/l	68	220	100	GRO95/8021		10/1/2016	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	83	260	100	GRO95/8021		10/1/2016	CJR	1
m&p-Xylene	4700	ug/l	140	440	100	GRO95/8021		10/1/2016	CJR	1
o-Xylene	1100	ug/l	66	210	100	GRO95/8021		10/1/2016	CJR	1

Lab Code 5031788D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	35	ug/l	0.46	1.5	1	GRO95/8021		9/30/2016	CJR	1
Ethylbenzene	7.2	ug/l	0.73	2.3	1	GRO95/8021		9/30/2016	CJR	1
Methyl tert-butyl ether (MTBE)	11.8	ug/l	0.49	1.6	1	GRO95/8021		9/30/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/30/2016	CJR	1
Toluene	2.53	ug/l	0.39	1.2	1	GRO95/8021		9/30/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/30/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/30/2016	CJR	1
m&p-Xylene	3.14 "J"	ug/l	1.4	4.4	1	GRO95/8021		9/30/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/30/2016	CJR	1

Lab Code 5031788E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		9/30/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		9/30/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		9/30/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		9/30/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		9/30/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		9/30/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		9/30/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		9/30/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		9/30/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31788

Lab Code 5031788F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2600	ug/l	4.6	15	10	GRO95/8021		10/6/2016	CJR	1
Ethylbenzene	134	ug/l	7.3	23	10	GRO95/8021		10/6/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		10/6/2016	CJR	1
Naphthalene	34 "J"	ug/l	26	83	10	GRO95/8021		10/6/2016	CJR	1
Toluene	72	ug/l	3.9	12	10	GRO95/8021		10/6/2016	CJR	1
1,2,4-Trimethylbenzene	56	ug/l	6.8	22	10	GRO95/8021		10/6/2016	CJR	1
1,3,5-Trimethylbenzene	21.3 "J"	ug/l	8.3	26	10	GRO95/8021		10/6/2016	CJR	1
m&p-Xylene	149	ug/l	14	44	10	GRO95/8021		10/6/2016	CJR	1
o-Xylene	15.8 "J"	ug/l	6.6	21	10	GRO95/8021		10/6/2016	CJR	1

Lab Code 5031788G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/5/2016	CJR	1

Lab Code 5031788H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16.1	ug/l	0.46	1.5	1	GRO95/8021		10/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	9.9	ug/l	0.49	1.6	1	GRO95/8021		10/5/2016	CJR	1
Naphthalene	3.11 "J"	ug/l	2.6	8.3	1	GRO95/8021		10/5/2016	CJR	1
Toluene	0.80 "J"	ug/l	0.39	1.2	1	GRO95/8021		10/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/5/2016	CJR	1
1,3,5-Trimethylbenzene	1.05 "J"	ug/l	0.83	2.6	1	GRO95/8021		10/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/5/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31788

Lab Code 5031788I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		10/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/5/2016	CJR	1

Lab Code 5031788J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		10/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	1.81	ug/l	0.49	1.6	1	GRO95/8021		10/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		10/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		10/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		10/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		10/5/2016	CJR	1

Lab Code 5031788K
Sample ID EP-2
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	22400	ug/l	46	150	100	GRO95/8021		10/6/2016	CJR	1
Ethylbenzene	2380	ug/l	73	230	100	GRO95/8021		10/6/2016	CJR	1
Methyl tert-butyl ether (MTBE)	480	ug/l	49	160	100	GRO95/8021		10/6/2016	CJR	1
Naphthalene	590 "J"	ug/l	260	830	100	GRO95/8021		10/6/2016	CJR	2
Toluene	750	ug/l	39	120	100	GRO95/8021		10/6/2016	CJR	1
1,2,4-Trimethylbenzene	1670	ug/l	68	220	100	GRO95/8021		10/6/2016	CJR	1
1,3,5-Trimethylbenzene	460	ug/l	83	260	100	GRO95/8021		10/6/2016	CJR	1
m&p-Xylene	6600	ug/l	140	440	100	GRO95/8021		10/6/2016	CJR	1
o-Xylene	890	ug/l	66	210	100	GRO95/8021		10/6/2016	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-012

Invoice # E31788

Lab Code 5031788L
Sample ID EP-5
Sample Matrix Water
Sample Date 9/27/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021	10/5/2016	10/5/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 2 Relative percent difference failed for laboratory spiked samples.
- 3 The matrix spike not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 03-Jan-17

Project Name US OIL MKE SOUTH
Project # 014-002-017

Invoice # E32280

Lab Code 5032280A
Sample ID MW 100
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	840	ug/l	4.6	15	10	GRO95/8021		12/28/2016	TCC	1
Ethylbenzene	50	ug/l	7.3	23	10	GRO95/8021		12/28/2016	TCC	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		12/28/2016	TCC	1
Naphthalene	< 26	ug/l	26	83	10	GRO95/8021		12/28/2016	TCC	1
Toluene	21.3	ug/l	3.9	12	10	GRO95/8021		12/28/2016	TCC	1
1,2,4-Trimethylbenzene	< 6.8	ug/l	6.8	22	10	GRO95/8021		12/28/2016	TCC	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		12/28/2016	TCC	1
m&p-Xylene	21.7 "J"	ug/l	14	44	10	GRO95/8021		12/28/2016	TCC	1
o-Xylene	8.4 "J"	ug/l	6.6	21	10	GRO95/8021		12/28/2016	TCC	1

Lab Code 5032280B
Sample ID MW 101
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5100	ug/l	23	75	50	GRO95/8021		12/28/2016	TCC	1
Ethylbenzene	156	ug/l	36.5	115	50	GRO95/8021		12/28/2016	TCC	1
Methyl tert-butyl ether (MTBE)	307	ug/l	24.5	80	50	GRO95/8021		12/28/2016	TCC	1
Naphthalene	< 130	ug/l	130	415	50	GRO95/8021		12/28/2016	TCC	1
Toluene	145	ug/l	19.5	60	50	GRO95/8021		12/28/2016	TCC	1
1,2,4-Trimethylbenzene	99 "J"	ug/l	34	110	50	GRO95/8021		12/28/2016	TCC	1
1,3,5-Trimethylbenzene	< 41.5	ug/l	41.5	130	50	GRO95/8021		12/28/2016	TCC	1
m&p-Xylene	282	ug/l	70	220	50	GRO95/8021		12/28/2016	TCC	1
o-Xylene	41 "J"	ug/l	33	105	50	GRO95/8021		12/28/2016	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-017

Invoice # E32280

Lab Code 5032280C
Sample ID MW 102
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13300	ug/l	46	150	100	GRO95/8021		12/28/2016	TCC	1
Ethylbenzene	1350	ug/l	73	230	100	GRO95/8021		12/28/2016	TCC	1
Methyl tert-butyl ether (MTBE)	540	ug/l	49	160	100	GRO95/8021		12/28/2016	TCC	1
Naphthalene	480 "J"	ug/l	260	830	100	GRO95/8021		12/28/2016	TCC	1
Toluene	1040	ug/l	39	120	100	GRO95/8021		12/28/2016	TCC	1
1,2,4-Trimethylbenzene	1430	ug/l	68	220	100	GRO95/8021		12/28/2016	TCC	1
1,3,5-Trimethylbenzene	350	ug/l	83	260	100	GRO95/8021		12/28/2016	TCC	1
m&p-Xylene	3900	ug/l	140	440	100	GRO95/8021		12/28/2016	TCC	1
o-Xylene	820	ug/l	66	210	100	GRO95/8021		12/28/2016	TCC	1

Lab Code 5032280D
Sample ID MW 103
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	10.9	ug/l	0.46	1.5	1	GRO95/8021		12/30/2016	TCC	1
Ethylbenzene	3.4	ug/l	0.73	2.3	1	GRO95/8021		12/30/2016	TCC	1
Methyl tert-butyl ether (MTBE)	18.9	ug/l	0.49	1.6	1	GRO95/8021		12/30/2016	TCC	1
Naphthalene	5.1 "J"	ug/l	2.6	8.3	1	GRO95/8021		12/30/2016	TCC	1
Toluene	1.19 "J"	ug/l	0.39	1.2	1	GRO95/8021		12/30/2016	TCC	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/30/2016	TCC	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/30/2016	TCC	1
m&p-Xylene	1.99 "J"	ug/l	1.4	4.4	1	GRO95/8021		12/30/2016	TCC	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/30/2016	TCC	1

Lab Code 5032280E
Sample ID MW 104
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/28/2016	TCC	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/28/2016	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/28/2016	TCC	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/28/2016	TCC	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/28/2016	TCC	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/28/2016	TCC	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/28/2016	TCC	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/28/2016	TCC	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/28/2016	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-017

Invoice # E32280

Lab Code 5032280F
Sample ID MW 105
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	440	ug/l	4.6	15	10	GRO95/8021		12/31/2016	TCC	1
Ethylbenzene	37	ug/l	7.3	23	10	GRO95/8021		12/31/2016	TCC	1
Methyl tert-butyl ether (MTBE)	< 4.9	ug/l	4.9	16	10	GRO95/8021		12/31/2016	TCC	1
Naphthalene	86	ug/l	26	83	10	GRO95/8021		12/31/2016	TCC	1
Toluene	18.9	ug/l	3.9	12	10	GRO95/8021		12/31/2016	TCC	1
1,2,4-Trimethylbenzene	18.5 "J"	ug/l	6.8	22	10	GRO95/8021		12/31/2016	TCC	1
1,3,5-Trimethylbenzene	< 8.3	ug/l	8.3	26	10	GRO95/8021		12/31/2016	TCC	1
m&p-Xylene	30.6 "J"	ug/l	14	44	10	GRO95/8021		12/31/2016	TCC	1
o-Xylene	8.2 "J"	ug/l	6.6	21	10	GRO95/8021		12/31/2016	TCC	1

Lab Code 5032280G
Sample ID MW 106
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/30/2016	TCC	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/30/2016	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/30/2016	TCC	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/30/2016	TCC	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/30/2016	TCC	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/30/2016	TCC	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/30/2016	TCC	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/30/2016	TCC	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/30/2016	TCC	1

Lab Code 5032280H
Sample ID MW 107
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	9.9	ug/l	0.46	1.5	1	GRO95/8021		12/30/2016	TCC	1 55
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/30/2016	TCC	1 55
Methyl tert-butyl ether (MTBE)	17.4	ug/l	0.49	1.6	1	GRO95/8021		12/30/2016	TCC	1 55
Naphthalene	3.7 "J"	ug/l	2.6	8.3	1	GRO95/8021		12/30/2016	TCC	1 55
Toluene	0.61 "J"	ug/l	0.39	1.2	1	GRO95/8021		12/30/2016	TCC	1 55
1,2,4-Trimethylbenzene	0.73 "J"	ug/l	0.68	2.2	1	GRO95/8021		12/30/2016	TCC	1 55
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/30/2016	TCC	1 55
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/30/2016	TCC	1 55
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/30/2016	TCC	1 55

Project Name US OIL MKE SOUTH
Project # 014-002-017

Invoice # E32280

Lab Code 5032280I
Sample ID MW 108
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/30/2016	TCC	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/30/2016	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021		12/30/2016	TCC	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/30/2016	TCC	1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021		12/30/2016	TCC	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/30/2016	TCC	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/30/2016	TCC	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/30/2016	TCC	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/30/2016	TCC	1

Lab Code 5032280J
Sample ID MW 109
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		12/30/2016	TCC	1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021		12/30/2016	TCC	1
Methyl tert-butyl ether (MTBE)	1.29 "J"	ug/l	0.49	1.6	1	GRO95/8021		12/30/2016	TCC	1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021		12/30/2016	TCC	1
Toluene	0.44 "J"	ug/l	0.39	1.2	1	GRO95/8021		12/30/2016	TCC	1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021		12/30/2016	TCC	1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/30/2016	TCC	1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		12/30/2016	TCC	1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021		12/30/2016	TCC	1

Lab Code 5032280K
Sample ID EP 02
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	19400	ug/l	46	150	100	GRO95/8021		12/31/2016	TCC	1
Ethylbenzene	1670	ug/l	73	230	100	GRO95/8021		12/31/2016	TCC	1
Methyl tert-butyl ether (MTBE)	520	ug/l	49	160	100	GRO95/8021		12/31/2016	TCC	1
Naphthalene	750 "J"	ug/l	260	830	100	GRO95/8021		12/31/2016	TCC	1
Toluene	520	ug/l	39	120	100	GRO95/8021		12/31/2016	TCC	1
1,2,4-Trimethylbenzene	1590	ug/l	68	220	100	GRO95/8021		12/31/2016	TCC	1
1,3,5-Trimethylbenzene	400	ug/l	83	260	100	GRO95/8021		12/31/2016	TCC	1
m&p-Xylene	5600	ug/l	140	440	100	GRO95/8021		12/31/2016	TCC	1
o-Xylene	460	ug/l	66	210	100	GRO95/8021		12/31/2016	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-017

Invoice # E32280

Lab Code 5032280L
Sample ID EP 05
Sample Matrix Water
Sample Date 12/22/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021	12/30/2016	TCC		1
Ethylbenzene	< 0.73	ug/l	0.73	2.3	1	GRO95/8021	12/30/2016	TCC		1
Methyl tert-butyl ether (MTBE)	< 0.49	ug/l	0.49	1.6	1	GRO95/8021	12/30/2016	TCC		1
Naphthalene	< 2.6	ug/l	2.6	8.3	1	GRO95/8021	12/30/2016	TCC		1
Toluene	< 0.39	ug/l	0.39	1.2	1	GRO95/8021	12/30/2016	TCC		1
1,2,4-Trimethylbenzene	< 0.68	ug/l	0.68	2.2	1	GRO95/8021	12/30/2016	TCC		1
1,3,5-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021	12/30/2016	TCC		1
m&p-Xylene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021	12/30/2016	TCC		1
o-Xylene	< 0.66	ug/l	0.66	2.1	1	GRO95/8021	12/30/2016	TCC		1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 55 Vials combined due to sedimentation.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-017**
Sampler: (signature) *Tim Petrich*

Project (Name / Location): **US 011 MKE South**
Reports To: **Tim Petrich** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S. Lovers Lane** Address: *Sam*
City State Zip: **Franklin, WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested												Other Analysis		
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
5032640A	MW-100	3/21/17	1230		X	N	3	GW	HCl									X							
B	MW-101		1215																						
C	MW-102		1200																						
D	MW-103		1200																						
E	MW-104		1215																						
F	MW-105		1230																						
G	MW-106		1245																						
H	MW-107		100																						
I	MW-108		115																						
J	MW-109		130																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: **Sm**
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Petrich* Time: **2:09** Date: **3/21/17**
Received By: (sign) *[Signature]* Time: _____ Date: **3/21/17**

Received in Laboratory By: *[Signature]* Time: **8:00** Date: **3/22/17**

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-017**
Sampler: (signature) *Tim Petrick*

Project (Name / Location): **US Oil MKE South**

Reports To: **Tim Petrick** Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S. Lovers Lane** Address: *Same*
City State Zip: **Franklin, WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
		Date	Time																						
503260K	EP-02	3/21/17	15		X	N	3	GW	HCl																
	EP-03	↓	200		X	N	2	GW	HCl																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: SM
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (Sign) *Tim Petrick* Time: **2:09** Date: **3/21/17**
Received By: (sign) *Tim D...* Time: **2:09** Date: **3/21/17**

Received in Laboratory By: *Ch...* Time: **8:00** Date: **3/22/17**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 27-Mar-17

Project Name US OIL MKLE SOUTH
Project # 014-002-017

Invoice # E32640

Lab Code 5032640A
Sample ID MW-100
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1150	ug/l	1.35	4.35	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Ethylbenzene	420	ug/l	2.8	8.85	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Naphthalene	55	ug/l	8.5	26.35	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Toluene	72	ug/l	1.65	5.3	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
1,2,4-Trimethylbenzene	83	ug/l	2.8	8.9	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
1,3,5-Trimethylbenzene	19	ug/l	2.9	9.2	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
m&p-Xylene	218	ug/l	5.5	17.45	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1
o-Xylene	24.4	ug/l	3.05	9.6	5	GRO95/8021	3/23/2017	3/23/2017	TCC	1

Lab Code 5032640B
Sample ID MW-101
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6300	ug/l	5.4	17.4	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Ethylbenzene	242	ug/l	11.2	35.4	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	340	ug/l	8.6	27.2	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Naphthalene	101 "J"	ug/l	34	105.4	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
Toluene	158	ug/l	6.6	21.2	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
1,2,4-Trimethylbenzene	146	ug/l	11.2	35.6	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
1,3,5-Trimethylbenzene	22.6 "J"	ug/l	11.6	36.8	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
m&p-Xylene	440	ug/l	22	69.8	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1
o-Xylene	49	ug/l	12.2	38.4	20	GRO95/8021	3/23/2017	3/23/2017	TCC	1

Project Name US OIL MKLE SOUTH
Project # 014-002-017

Invoice # E32640

Lab Code 5032640C
Sample ID MW-102
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16600	ug/l	27	87	100	GRO95/8021		3/23/2017	TCC	1
Ethylbenzene	1790	ug/l	56	177	100	GRO95/8021		3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	570	ug/l	43	136	100	GRO95/8021		3/23/2017	TCC	1
Naphthalene	510 "J"	ug/l	170	527	100	GRO95/8021		3/23/2017	TCC	1
Toluene	1700	ug/l	33	106	100	GRO95/8021		3/23/2017	TCC	1
1,2,4-Trimethylbenzene	1750	ug/l	56	178	100	GRO95/8021		3/23/2017	TCC	1
1,3,5-Trimethylbenzene	480	ug/l	58	184	100	GRO95/8021		3/23/2017	TCC	1
m&p-Xylene	6300	ug/l	110	349	100	GRO95/8021		3/23/2017	TCC	1
o-Xylene	1520	ug/l	61	192	100	GRO95/8021		3/23/2017	TCC	1

Lab Code 5032640D
Sample ID MW-103
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	340	ug/l	0.27	0.87	1	GRO95/8021		3/23/2017	TCC	1
Ethylbenzene	230	ug/l	0.56	1.77	1	GRO95/8021		3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	8.0	ug/l	0.43	1.36	1	GRO95/8021		3/23/2017	TCC	1
Naphthalene	16.1	ug/l	1.7	5.27	1	GRO95/8021		3/23/2017	TCC	1
Toluene	21.8	ug/l	0.33	1.06	1	GRO95/8021		3/23/2017	TCC	1
1,2,4-Trimethylbenzene	13.4	ug/l	0.56	1.78	1	GRO95/8021		3/23/2017	TCC	1
1,3,5-Trimethylbenzene	5.4	ug/l	0.58	1.84	1	GRO95/8021		3/23/2017	TCC	1
m&p-Xylene	52	ug/l	1.1	3.49	1	GRO95/8021		3/23/2017	TCC	1
o-Xylene	2.06	ug/l	0.61	1.92	1	GRO95/8021		3/23/2017	TCC	1

Lab Code 5032640E
Sample ID MW-104
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/24/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/24/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		3/24/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		3/24/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/24/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/24/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/24/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/24/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/24/2017	TCC	1

Project Name US OIL MKLE SOUTH
Project # 014-002-017

Invoice # E32640

Lab Code 5032640F
Sample ID MW-105
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	400	ug/l	1.35	4.35	5	GRO95/8021		3/23/2017	TCC	1
Ethylbenzene	82	ug/l	2.8	8.85	5	GRO95/8021		3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021		3/23/2017	TCC	1
Naphthalene	9.5 "J"	ug/l	8.5	26.35	5	GRO95/8021		3/23/2017	TCC	1
Toluene	18.8	ug/l	1.65	5.3	5	GRO95/8021		3/23/2017	TCC	1
1,2,4-Trimethylbenzene	30.8	ug/l	2.8	8.9	5	GRO95/8021		3/23/2017	TCC	1
1,3,5-Trimethylbenzene	2.95 "J"	ug/l	2.9	9.2	5	GRO95/8021		3/23/2017	TCC	1
m&p-Xylene	59	ug/l	5.5	17.45	5	GRO95/8021		3/23/2017	TCC	1
o-Xylene	5.9 "J"	ug/l	3.05	9.6	5	GRO95/8021		3/23/2017	TCC	1

Lab Code 5032640G
Sample ID MW-106
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/23/2017	TCC	1 55
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/23/2017	TCC	1 55
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		3/23/2017	TCC	1 55
Naphthalene	1.75 "J"	ug/l	1.7	5.27	1	GRO95/8021		3/23/2017	TCC	1 55
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/23/2017	TCC	1 55
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/23/2017	TCC	1 55
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/23/2017	TCC	1 55
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/23/2017	TCC	1 55
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/23/2017	TCC	1 55

Lab Code 5032640H
Sample ID MW-107
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		3/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		3/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/23/2017	TCC	1

Project Name US OIL MKLE SOUTH
Project # 014-002-017

Invoice # E32640

Lab Code 5032640I
Sample ID MW-108
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/24/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/24/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		3/24/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		3/24/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/24/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/24/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/24/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/24/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/24/2017	TCC	1

Lab Code 5032640J
Sample ID MW-109
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/24/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/24/2017	TCC	1
Methyl tert-butyl ether (MTBE)	1.0 "J"	ug/l	0.43	1.36	1	GRO95/8021		3/24/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		3/24/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/24/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/24/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/24/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/24/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/24/2017	TCC	1

Lab Code 5032640K
Sample ID EP-02
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	22200	ug/l	27	87	100	GRO95/8021		3/25/2017	TCC	3
Ethylbenzene	1890	ug/l	56	177	100	GRO95/8021		3/25/2017	TCC	1
Methyl tert-butyl ether (MTBE)	530	ug/l	43	136	100	GRO95/8021		3/25/2017	TCC	1
Naphthalene	640	ug/l	170	527	100	GRO95/8021		3/25/2017	TCC	1
Toluene	1200	ug/l	33	106	100	GRO95/8021		3/25/2017	TCC	1
1,2,4-Trimethylbenzene	1900	ug/l	56	178	100	GRO95/8021		3/25/2017	TCC	1
1,3,5-Trimethylbenzene	500	ug/l	58	184	100	GRO95/8021		3/25/2017	TCC	1
m&p-Xylene	6300	ug/l	110	349	100	GRO95/8021		3/25/2017	TCC	1
o-Xylene	480	ug/l	61	192	100	GRO95/8021		3/25/2017	TCC	1

Project Name US OIL MKLE SOUTH
Project # 014-002-017

Invoice # E32640

Lab Code 5032640L
Sample ID EP-05
Sample Matrix Water
Sample Date 3/21/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		3/24/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		3/24/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		3/24/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		3/24/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		3/24/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		3/24/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		3/24/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		3/24/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		3/24/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.
- 55 Vials combined due to sedimentation.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: 014-002-017
 Sampler: (signature) Tim Petrick

Project (Name / Location): US oil milwaukee south
 Reports To: Tim Petrick Invoice To: _____
 Company: Endpoint Solutions Company: _____
 Address: 6821 S. lovers lane Address: Same
 City State Zip: Franklin WI City State Zip: _____
 Phone: 414 858 1210 Phone: _____
 FAX: _____ FAX: _____

										Analysis Requested										Other Analysis					
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID	
<u>5033044 A</u>	<u>MW-100</u>	<u>6/7</u>	<u>1115</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>																
<u>B</u>	<u>MW-101</u>		<u>1038</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>C</u>	<u>MW-102</u>		<u>1045</u>		<u>X</u>	<u> </u>	<u>2</u>	<u> </u>	<u> </u>																
<u>D</u>	<u>MW-103</u>		<u>1100</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>E</u>	<u>MW-104</u>		<u>1115</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>F</u>	<u>MW-105</u>		<u>1145</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>G</u>	<u>MW-106</u>		<u>1115</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>H</u>	<u>MW-107</u>		<u>1130</u>		<u>X</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>																
<u>I</u>	<u>MW-108</u>		<u>1115</u>		<u>X</u>	<u> </u>	<u>2</u>	<u> </u>	<u> </u>																
<u>J</u>	<u>MW-109</u>		<u>1200</u>		<u>X</u>	<u> </u>	<u>2</u>	<u> </u>	<u> </u>																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Gc
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) Tim Petrick Time 1250 Date 6/2/17
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 8:00 Date: 6/8/17

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 14-Jun-17

Project Name US OIL MILWAUKEE SOUTH
Project # 014-003-017

Invoice # E33044

Lab Code 5033044A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1150	ug/l	1.7	5.5	10	8260B	6/9/2017	6/9/2017	CJR	1
Ethylbenzene	560	ug/l	2	6.3	10	8260B	6/9/2017	6/9/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B	6/9/2017	6/9/2017	CJR	1
Naphthalene	66 "J"	ug/l	21.7	69	10	8260B	6/9/2017	6/9/2017	CJR	1
Toluene	90	ug/l	6.7	21.3	10	8260B	6/9/2017	6/9/2017	CJR	1
1,2,4-Trimethylbenzene	86	ug/l	11.4	36.3	10	8260B	6/9/2017	6/9/2017	CJR	1
1,3,5-Trimethylbenzene	29.7	ug/l	9.1	29	10	8260B	6/9/2017	6/9/2017	CJR	1
m&p-Xylene	259	ug/l	15.6	49.5	10	8260B	6/9/2017	6/9/2017	CJR	1
o-Xylene	20.7	ug/l	3.9	12.5	10	8260B	6/9/2017	6/9/2017	CJR	1

Lab Code 5033044B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5800	ug/l	8.5	27.5	50	8260B	6/10/2017	6/10/2017	CJR	1
Ethylbenzene	210	ug/l	10	31.5	50	8260B	6/10/2017	6/10/2017	CJR	1
Methyl tert-butyl ether (MTBE)	290	ug/l	41	130	50	8260B	6/10/2017	6/10/2017	CJR	1
Naphthalene	< 108.5	ug/l	108.5	345	50	8260B	6/10/2017	6/10/2017	CJR	1
Toluene	132	ug/l	33.5	106.5	50	8260B	6/10/2017	6/10/2017	CJR	1
1,2,4-Trimethylbenzene	115 "J"	ug/l	57	181.5	50	8260B	6/10/2017	6/10/2017	CJR	1
1,3,5-Trimethylbenzene	< 45.5	ug/l	45.5	145	50	8260B	6/10/2017	6/10/2017	CJR	1
m&p-Xylene	370	ug/l	78	247.5	50	8260B	6/10/2017	6/10/2017	CJR	1
o-Xylene	40 "J"	ug/l	19.5	62.5	50	8260B	6/10/2017	6/10/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-003-017

Invoice # E33044

Lab Code 5033044C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	14500	ug/l	17	55	100	8260B		6/13/2017	CJR	1
Ethylbenzene	1620	ug/l	20	63	100	8260B		6/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	490	ug/l	82	260	100	8260B		6/13/2017	CJR	1
Naphthalene	380 "J"	ug/l	217	690	100	8260B		6/13/2017	CJR	1
Toluene	1240	ug/l	67	213	100	8260B		6/13/2017	CJR	1
1,2,4-Trimethylbenzene	1440	ug/l	114	363	100	8260B		6/13/2017	CJR	1
1,3,5-Trimethylbenzene	340	ug/l	91	290	100	8260B		6/13/2017	CJR	1
m&p-Xylene	5400	ug/l	156	495	100	8260B		6/13/2017	CJR	1
o-Xylene	1160	ug/l	39	125	100	8260B		6/13/2017	CJR	1

Lab Code 5033044D
Sample ID MW-103
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	311	ug/l	1.7	5.5	10	8260B		6/14/2017	CJR	1
Ethylbenzene	241	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	19.1	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	20	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	11.7	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	6.9	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	54	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	1.46	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Lab Code 5033044E
Sample ID MW-104
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-003-017

Invoice # E33044

Lab Code 5033044F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	650	ug/l	3.4	11	20	8260B		6/13/2017	CJR	1
Ethylbenzene	34	ug/l	4	12.6	20	8260B		6/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 16.4	ug/l	16.4	52	20	8260B		6/13/2017	CJR	1
Naphthalene	< 43.4	ug/l	43.4	138	20	8260B		6/13/2017	CJR	1
Toluene	13.6 "J"	ug/l	13.4	42.6	20	8260B		6/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 22.8	ug/l	22.8	72.6	20	8260B		6/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 18.2	ug/l	18.2	58	20	8260B		6/13/2017	CJR	1
m&p-Xylene	< 31.2	ug/l	31.2	99	20	8260B		6/13/2017	CJR	1
o-Xylene	< 7.8	ug/l	7.8	25	20	8260B		6/13/2017	CJR	1

Lab Code 5033044G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Lab Code 5033044H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	8.7	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	11.6	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-003-017

Invoice # E33044

Lab Code 5033044I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Lab Code 5033044J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

Lab Code 5033044K
Sample ID EP-02
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	21100	ug/l	34	110	200	8260B		6/13/2017	CJR	1
Ethylbenzene	1420	ug/l	40	126	200	8260B		6/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	440 "J"	ug/l	164	520	200	8260B		6/13/2017	CJR	1
Naphthalene	< 434	ug/l	434	1380	200	8260B		6/13/2017	CJR	1
Toluene	720	ug/l	134	426	200	8260B		6/13/2017	CJR	1
1,2,4-Trimethylbenzene	1420	ug/l	228	726	200	8260B		6/13/2017	CJR	1
1,3,5-Trimethylbenzene	312 "J"	ug/l	182	580	200	8260B		6/13/2017	CJR	1
m&p-Xylene	4700	ug/l	312	990	200	8260B		6/13/2017	CJR	1
o-Xylene	214 "J"	ug/l	78	250	200	8260B		6/13/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-003-017

Invoice # E33044

Lab Code 5033044L
Sample ID EP-05
Sample Matrix Water
Sample Date 6/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		6/12/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		6/12/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		6/12/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		6/12/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		6/12/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		6/12/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		6/12/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		6/12/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		6/12/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. #

Account No. : Quote No.:

Project #: **014-002-017**

Sampler: (signature) *Tim Petrick*

Project (Name / Location): **ps oil Milwaukee South**

Reports To: **Tim Petrick**

Invoice To:

Company **Endpoint Solutions**

Company

Address **6871 S. Lovers Lane**

Address *Same*

City State Zip **Franklin WI**

City State Zip

Phone **414 858 1210**

Phone

FAX

FAX

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
		Date	Time																						
S033577A	MW-100	9/12	1045		X	N	3	GW	Hel																
B	MW-101		1100																						
C	MW-102		1105																						
D	MW-103		1130																						
E	MW-104		1145																						
F	MW-105		200																						
G	MW-106		215																						
H	MW-107		230																						
I	MW-108		245																						
J	MW-109	X	300																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: **GC**

Temp. of Temp. Blank ____ °C On Ice:

Cooler seal intact upon receipt: Yes ____ No

Relinquished By: (sign)

Tim Petrick

Time

1300

Date

9/12/17

Received By: (sign)

[Signature]

Time

1:24

Date

9/12/17

Received in Laboratory By:

[Signature]

Time:

8:00

Date:

9/13/17

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #: 014-002-017	
Sampler: (signature) <i>Tim Petrich</i>	
Project (Name / Location): gs oil Milwaukee South	
Reports To: Tim Petrich	Invoice To:
Company: Endpoint Solutions	Company: <i>Same</i>
Address: 6871 S. Lovers Lane	Address:
City State Zip: Franklin WI	City State Zip:
Phone: 414 858 1210	Phone:
FAX:	FAX:

Analysis Requested												Other Analysis			
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
								<input checked="" type="checkbox"/>							

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5033577k	EP-02	9/12	7:30		<input checked="" type="checkbox"/>	N	3	GW	HCl
	EP-05		7:45		<input checked="" type="checkbox"/>	N	3	GW	HCl

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>GC</u> Temp. of Temp. Blank _____ °C On Ice: <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes _____ No	Relinquished By: (sign) <i>Tim Petrich</i>	Time: 1:30	Date: 9/12/17	Received By: (sign) <i>[Signature]</i>	Time: 1:24	Date: 9/12/17
	Received in Laboratory By: <i>[Signature]</i>					
	Time: 8:00 Date: 9/13/17					

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
 ENDPOINT SOLUTIONS
 6871 SOUTH LOVER'S LANE
 FRANKLIN, WI 53132

Report Date 22-Sep-17

Project Name US OIL MILWAUKEE SOUTH
 Project # 014-002-017

Invoice # E33577

Lab Code 5033577A
 Sample ID MW-100
 Sample Matrix Water
 Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1290	ug/l	1.7	5.5	10	8260B		9/18/2017	CJR	1
Ethylbenzene	204	ug/l	2	6.3	10	8260B		9/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B		9/18/2017	CJR	1
Naphthalene	35 "J"	ug/l	21.7	69	10	8260B		9/18/2017	CJR	1
Toluene	44	ug/l	6.7	21.3	10	8260B		9/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 11.4	ug/l	11.4	36.3	10	8260B		9/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 9.1	ug/l	9.1	29	10	8260B		9/18/2017	CJR	1
m&p-Xylene	49 "J"	ug/l	15.6	49.5	10	8260B		9/18/2017	CJR	1
o-Xylene	6.9 "J"	ug/l	3.9	12.5	10	8260B		9/18/2017	CJR	1

Lab Code 5033577B
 Sample ID MW-101
 Sample Matrix Water
 Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5800	ug/l	8.5	27.5	50	8260B		9/19/2017	CJR	1
Ethylbenzene	160	ug/l	10	31.5	50	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	212	ug/l	41	130	50	8260B		9/19/2017	CJR	1
Naphthalene	< 108.5	ug/l	108.5	345	50	8260B		9/19/2017	CJR	1
Toluene	90 "J"	ug/l	33.5	106.5	50	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 57	ug/l	57	181.5	50	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 45.5	ug/l	45.5	145	50	8260B		9/19/2017	CJR	1
m&p-Xylene	200 "J"	ug/l	78	247.5	50	8260B		9/19/2017	CJR	1
o-Xylene	24 "J"	ug/l	19.5	62.5	50	8260B		9/19/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-017

Invoice # E33577

Lab Code 5033577C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16100	ug/l	17	55	100	8260B		9/19/2017	CJR	1
Ethylbenzene	1620	ug/l	20	63	100	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	420	ug/l	82	260	100	8260B		9/19/2017	CJR	1
Naphthalene	440 "J"	ug/l	217	690	100	8260B		9/19/2017	CJR	1
Toluene	1090	ug/l	67	213	100	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	1620	ug/l	114	363	100	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	400	ug/l	91	290	100	8260B		9/19/2017	CJR	1
m&p-Xylene	5700	ug/l	156	495	100	8260B		9/19/2017	CJR	1
o-Xylene	1360	ug/l	39	125	100	8260B		9/19/2017	CJR	1

Lab Code 5033577D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	50	ug/l	0.17	0.55	1	8260B		9/19/2017	CJR	1
Ethylbenzene	10.6	ug/l	0.2	0.63	1	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	20.9	ug/l	0.82	2.6	1	8260B		9/19/2017	CJR	1
Naphthalene	4.1 "J"	ug/l	2.17	6.9	1	8260B		9/19/2017	CJR	1
Toluene	3.5	ug/l	0.67	2.13	1	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/19/2017	CJR	1
m&p-Xylene	6.8	ug/l	1.56	4.95	1	8260B		9/19/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/19/2017	CJR	1

Lab Code 5033577E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/18/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/18/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/18/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/18/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/18/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/18/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-017

Invoice # E33577

Lab Code 5033577F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	510	ug/l	1.7	5.5	10	8260B		9/19/2017	CJR	1
Ethylbenzene	16.4	ug/l	2	6.3	10	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B		9/19/2017	CJR	1
Naphthalene	< 21.7	ug/l	21.7	69	10	8260B		9/19/2017	CJR	1
Toluene	8.7 "J"	ug/l	6.7	21.3	10	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 11.4	ug/l	11.4	36.3	10	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 9.1	ug/l	9.1	29	10	8260B		9/19/2017	CJR	1
m&p-Xylene	16.8 "J"	ug/l	15.6	49.5	10	8260B		9/19/2017	CJR	1
o-Xylene	< 3.9	ug/l	3.9	12.5	10	8260B		9/19/2017	CJR	1

Lab Code 5033577G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/18/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/18/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/18/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/18/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/18/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/18/2017	CJR	1

Lab Code 5033577H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.41	ug/l	0.17	0.55	1	8260B		9/18/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	15.2	ug/l	0.82	2.6	1	8260B		9/18/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/18/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/18/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/18/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/18/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/18/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/18/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-017

Invoice # E33577

Lab Code 5033577I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/19/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/19/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/19/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/19/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/19/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/19/2017	CJR	1

Lab Code 5033577J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/19/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/19/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/19/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/19/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/19/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/19/2017	CJR	1

Lab Code 5033577K
Sample ID EP-02
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	24000	ug/l	34	110	200	8260B		9/19/2017	CJR	1
Ethylbenzene	2170	ug/l	40	126	200	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	278 "J"	ug/l	164	520	200	8260B		9/19/2017	CJR	1
Naphthalene	480 "J"	ug/l	434	1380	200	8260B		9/19/2017	CJR	1
Toluene	590	ug/l	134	426	200	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	1410	ug/l	228	726	200	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	320 "J"	ug/l	182	580	200	8260B		9/19/2017	CJR	1
m&p-Xylene	6500	ug/l	312	990	200	8260B		9/19/2017	CJR	1
o-Xylene	410	ug/l	78	250	200	8260B		9/19/2017	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-017

Invoice # E33577

Lab Code 5033577L
Sample ID EP-05
Sample Matrix Water
Sample Date 9/12/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		9/19/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		9/19/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		9/19/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		9/19/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		9/19/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		9/19/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		9/19/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		9/19/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		9/19/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: **014-002-018**
 Sampler: (signature) *Tim Febrich*
 Project (Name / Location): **US oil MKE south**
 Reports To: *Tim Febrich* Invoice To: _____
 Company: *Endpoint Solutions* Company: _____
 Address: **6871 S. Lovers Lane** Address: *Same*
 City State Zip: **Franklin WI** City State Zip: _____
 Phone: **414 858 1210** Phone: _____
 FAX: _____ FAX: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID					
								<input checked="" type="checkbox"/>											
								<input checked="" type="checkbox"/>											

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>Sosbick</i>	EP-02	12/19	1215		<input checked="" type="checkbox"/>	N	3	GW	Hcl
L	EP-05	12/19	1045		<input checked="" type="checkbox"/>	N	3	GW	Hcl

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: *GC*
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Febrich* Time **1130** Date **12/19/17**
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: *Chris R...* Time: **8:00** Date: **12/21/17**

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 27-Dec-17

Project Name US OIL MKE SOUTH
Project # 014-002-018

Invoice # E34070

Lab Code 5034070A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1020	ug/l	2.7	8.7	10	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	63	ug/l	5.6	17.7	10	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 4.3	ug/l	4.3	13.6	10	GRO95/8021		12/23/2017	TCC	1
Naphthalene	< 17	ug/l	17	52.7	10	GRO95/8021		12/23/2017	TCC	1
Toluene	36	ug/l	3.3	10.6	10	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 5.6	ug/l	5.6	17.8	10	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 5.8	ug/l	5.8	18.4	10	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	37	ug/l	11	34.9	10	GRO95/8021		12/23/2017	TCC	1
o-Xylene	8.2 "J"	ug/l	6.1	19.2	10	GRO95/8021		12/23/2017	TCC	1

Lab Code 5034070B
Sample ID MW-101
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4900	ug/l	13.5	43.5	50	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	113	ug/l	28	88.5	50	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	330	ug/l	21.5	68	50	GRO95/8021		12/23/2017	TCC	1
Naphthalene	110 "J"	ug/l	85	263.5	50	GRO95/8021		12/23/2017	TCC	1
Toluene	115	ug/l	16.5	53	50	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	70 "J"	ug/l	28	89	50	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 29	ug/l	29	92	50	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	263	ug/l	55	174.5	50	GRO95/8021		12/23/2017	TCC	1
o-Xylene	< 30.5	ug/l	30.5	96	50	GRO95/8021		12/23/2017	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-018

Invoice # E34070

Lab Code 5034070C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	14700	ug/l	27	87	100	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	1800	ug/l	56	177	100	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	510	ug/l	43	136	100	GRO95/8021		12/23/2017	TCC	1
Naphthalene	650	ug/l	170	527	100	GRO95/8021		12/23/2017	TCC	1
Toluene	810	ug/l	33	106	100	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	2780	ug/l	56	178	100	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	570	ug/l	58	184	100	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	4800	ug/l	110	349	100	GRO95/8021		12/23/2017	TCC	1
o-Xylene	720	ug/l	61	192	100	GRO95/8021		12/23/2017	TCC	1

Lab Code 5034070D
Sample ID MW-103
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	11.8	ug/l	0.27	0.87	1	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	3.08	ug/l	0.56	1.77	1	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	18.1	ug/l	0.43	1.36	1	GRO95/8021		12/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		12/23/2017	TCC	1
Toluene	0.89 "J"	ug/l	0.33	1.06	1	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	1.56 "J"	ug/l	1.1	3.49	1	GRO95/8021		12/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/23/2017	TCC	1

Lab Code 5034070E
Sample ID MW-104
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		12/22/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		12/22/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		12/22/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		12/22/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		12/22/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/22/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		12/22/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		12/22/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/22/2017	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-018

Invoice # E34070

Lab Code 5034070F
Sample ID MW-105
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	710	ug/l	1.35	4.35	5	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	45	ug/l	2.8	8.85	5	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021		12/23/2017	TCC	1
Naphthalene	9.5 "J"	ug/l	8.5	26.35	5	GRO95/8021		12/23/2017	TCC	1
Toluene	19	ug/l	1.65	5.3	5	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	21.9	ug/l	2.8	8.9	5	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	5	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	65	ug/l	5.5	17.45	5	GRO95/8021		12/23/2017	TCC	1
o-Xylene	< 3.05	ug/l	3.05	9.6	5	GRO95/8021		12/23/2017	TCC	1

Lab Code 5034070G
Sample ID MW-106
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		12/22/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		12/22/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		12/22/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		12/22/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		12/22/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/22/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		12/22/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		12/22/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/22/2017	TCC	1

Lab Code 5034070H
Sample ID MW-107
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.43	ug/l	0.27	0.87	1	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	18.3	ug/l	0.43	1.36	1	GRO95/8021		12/23/2017	TCC	1
Naphthalene	2.78 "J"	ug/l	1.7	5.27	1	GRO95/8021		12/23/2017	TCC	1
Toluene	0.51 "J"	ug/l	0.33	1.06	1	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	0.68 "J"	ug/l	0.58	1.84	1	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		12/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/23/2017	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-018

Invoice # E34070

Lab Code 5034070I
Sample ID MW-108
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		12/22/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		12/22/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		12/22/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		12/22/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		12/22/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/22/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		12/22/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		12/22/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/22/2017	TCC	1

Lab Code 5034070J
Sample ID MW-109
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		12/22/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		12/22/2017	TCC	1
Methyl tert-butyl ether (MTBE)	0.92 "J"	ug/l	0.43	1.36	1	GRO95/8021		12/22/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		12/22/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		12/22/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		12/22/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		12/22/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		12/22/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		12/22/2017	TCC	1

Lab Code 5034070K
Sample ID EP-02
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	20400	ug/l	27	87	100	GRO95/8021		12/23/2017	TCC	1
Ethylbenzene	1910	ug/l	56	177	100	GRO95/8021		12/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	450	ug/l	43	136	100	GRO95/8021		12/23/2017	TCC	1
Naphthalene	660	ug/l	170	527	100	GRO95/8021		12/23/2017	TCC	1
Toluene	540	ug/l	33	106	100	GRO95/8021		12/23/2017	TCC	1
1,2,4-Trimethylbenzene	1640	ug/l	56	178	100	GRO95/8021		12/23/2017	TCC	1
1,3,5-Trimethylbenzene	370	ug/l	58	184	100	GRO95/8021		12/23/2017	TCC	1
m&p-Xylene	5500	ug/l	110	349	100	GRO95/8021		12/23/2017	TCC	1
o-Xylene	340	ug/l	61	192	100	GRO95/8021		12/23/2017	TCC	1

Project Name US OIL MKE SOUTH
Project # 014-002-018

Invoice # E34070

Lab Code 5034070L
Sample ID EP-05
Sample Matrix Water
Sample Date 12/19/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021	12/22/2017	12/22/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: 014-002-018
Sampler: (signature) Tim Fehrich

Project (Name / Location): US oil Milwaukee South
Reports To: Tim Fehrich Invoice To: _____
Company: Endpoint Solutions Company: _____
Address: 6871 S. Lovers Lane Address: Soil
City State Zip: Franklin WI City State Zip: _____
Phone: 414 858 1210 Phone: _____
FAX: _____ FAX: _____

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)		PID/FID	
GRO (Mod GRO Sep 95)			
LEAD			
NITRATE/NITRITE			
OIL & GREASE			
PAH (EPA 8270)			
PCB			
PVOC (EPA 8021)			
PVOC + NAPHTHALENE			
SULFATE			
TOTAL SUSPENDED SOLIDS			
VOC DW (EPA 524.2)			
VOC (EPA 8260)			
8-PCRA METALS			

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>503417 A</u>	<u>MW-100</u>	<u>3/26</u>	<u>1100</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>
<u>B</u>	<u>MW-101</u>		<u>1115</u>						
<u>C</u>	<u>MW-102</u>		<u>1130</u>						
<u>D</u>	<u>MW-103</u>		<u>1145</u>						
<u>E</u>	<u>MW-104</u>		<u>1200</u>						
	MW-105								
<u>F</u>	<u>MW-106</u>	<u>3/26</u>	<u>1215</u>						
<u>G</u>	<u>MW-107</u>		<u>1230</u>						
<u>H</u>	<u>MW-108</u>		<u>1245</u>						
<u>I</u>	<u>MW-109</u>		<u>1300</u>						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Ge
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) Tim Fehrich Time 700 Date 3/27/18
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: [Signature] Time: 8:00 Date: 3/28/18

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 014-002-018
Sampler: (signature) Tim Febrick

Project (Name / Location): US out Milwaukee South
Reports To: Tim Febrick Invoice To: _____
Company: Endpoint Solutions Company: _____
Address: 6871 S. Lovers Lane Address: _____
City State Zip: Franklin WI City State Zip: Same
Phone: 414 858 1210 Phone: _____
FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVC (EPA 8021)	PVC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID		
		Date	Time																							
<u>S034417 J</u>	<u>EP-02</u>	<u>3/26</u>	<u>1315</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>																	
<u>k</u>	<u>EP-05</u>	<u>↓</u>	<u>1330</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>									<u>X</u>								

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Retinquished By: (sign) Tim Febrick Time 7:00 Date 3/27/18
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: [Signature] Time: 8:00 Date: 3/28/18

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 06-Apr-18

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34417

Lab Code 5034417A
Sample ID MW-100
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1140	ug/l	2.2	6.9	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Ethylbenzene	139	ug/l	5.3	16.9	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Naphthalene	34 "J"	ug/l	17	53.8	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Toluene	36	ug/l	4.5	14.5	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
1,2,4-Trimethylbenzene	17.7 "J"	ug/l	7.3	23.3	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
m&p-Xylene	87	ug/l	10	31.7	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1
o-Xylene	18.5	ug/l	5.8	18.4	10	GRO95/8021	4/3/2018	4/3/2018	CJR	1

Lab Code 5034417B
Sample ID MW-101
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	7100	ug/l	11	34.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Ethylbenzene	298	ug/l	26.5	84.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	350	ug/l	28.5	91	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Naphthalene	90 "J"	ug/l	85	269	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
Toluene	177	ug/l	22.5	72.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
1,2,4-Trimethylbenzene	141	ug/l	36.5	116.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
1,3,5-Trimethylbenzene	< 37.5	ug/l	37.5	119.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
m&p-Xylene	460	ug/l	50	158.5	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1
o-Xylene	51 "J"	ug/l	29	92	50	GRO95/8021	4/3/2018	4/3/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34417

Lab Code 5034417C
Sample ID MW-102
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	16500	ug/l	22	69	100	GRO95/8021		4/3/2018	CJR	1
Ethylbenzene	1400	ug/l	53	169	100	GRO95/8021		4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	470	ug/l	57	182	100	GRO95/8021		4/3/2018	CJR	1
Naphthalene	420 "J"	ug/l	170	538	100	GRO95/8021		4/3/2018	CJR	1
Toluene	850	ug/l	45	145	100	GRO95/8021		4/3/2018	CJR	1
1,2,4-Trimethylbenzene	1690	ug/l	73	233	100	GRO95/8021		4/3/2018	CJR	1
1,3,5-Trimethylbenzene	410	ug/l	75	239	100	GRO95/8021		4/3/2018	CJR	1
m&p-Xylene	5300	ug/l	100	317	100	GRO95/8021		4/3/2018	CJR	1
o-Xylene	950	ug/l	58	184	100	GRO95/8021		4/3/2018	CJR	1

Lab Code 5034417D
Sample ID MW-103
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	131	ug/l	0.22	0.69	1	GRO95/8021		4/3/2018	CJR	1
Ethylbenzene	73	ug/l	0.53	1.69	1	GRO95/8021		4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	11	ug/l	0.57	1.82	1	GRO95/8021		4/3/2018	CJR	1
Naphthalene	3.9 "J"	ug/l	1.7	5.38	1	GRO95/8021		4/3/2018	CJR	1
Toluene	7.7	ug/l	0.45	1.45	1	GRO95/8021		4/3/2018	CJR	1
1,2,4-Trimethylbenzene	2.57	ug/l	0.73	2.33	1	GRO95/8021		4/3/2018	CJR	1
1,3,5-Trimethylbenzene	1.53 "J"	ug/l	0.75	2.39	1	GRO95/8021		4/3/2018	CJR	1
m&p-Xylene	17.8	ug/l	1	3.17	1	GRO95/8021		4/3/2018	CJR	1
o-Xylene	0.96 "J"	ug/l	0.58	1.84	1	GRO95/8021		4/3/2018	CJR	1

Lab Code 5034417E
Sample ID MW-104
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		4/3/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		4/3/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		4/3/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		4/3/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		4/3/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		4/3/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		4/3/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		4/3/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34417

Lab Code 5034417F
Sample ID MW-106
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		4/3/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		4/3/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		4/3/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		4/3/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		4/3/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		4/3/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		4/3/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		4/3/2018	CJR	1

Lab Code 5034417G
Sample ID MW-107
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.71	ug/l	0.22	0.69	1	GRO95/8021		4/3/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		4/3/2018	CJR	1
Methyl tert-butyl ether (MTBE)	11.3	ug/l	0.57	1.82	1	GRO95/8021		4/3/2018	CJR	1
Naphthalene	2.57 "J"	ug/l	1.7	5.38	1	GRO95/8021		4/3/2018	CJR	1
Toluene	0.64 "J"	ug/l	0.45	1.45	1	GRO95/8021		4/3/2018	CJR	1
1,2,4-Trimethylbenzene	1.15 "J"	ug/l	0.73	2.33	1	GRO95/8021		4/3/2018	CJR	1
1,3,5-Trimethylbenzene	0.85 "J"	ug/l	0.75	2.39	1	GRO95/8021		4/3/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		4/3/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		4/3/2018	CJR	1

Lab Code 5034417H
Sample ID MW-108
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/5/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/5/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/5/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/5/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/5/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/5/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/5/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/5/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/5/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34417

Lab Code 5034417I
Sample ID MW-109
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/5/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/5/2018	CJR	1
Methyl tert-butyl ether (MTBE)	0.38 "J"	ug/l	0.28	0.89	1	8260B		4/5/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/5/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/5/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/5/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/5/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/5/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/5/2018	CJR	1

Lab Code 5034417J
Sample ID EP-02
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	19900	ug/l	22	71	100	8260B		4/6/2018	CJR	1
Ethylbenzene	1360	ug/l	26	83	100	8260B		4/6/2018	CJR	1
Methyl tert-butyl ether (MTBE)	430	ug/l	28	89	100	8260B		4/6/2018	CJR	1
Naphthalene	390 "J"	ug/l	210	665	100	8260B		4/6/2018	CJR	1
Toluene	1400	ug/l	19	60	100	8260B		4/6/2018	CJR	1
1,2,4-Trimethylbenzene	1270	ug/l	80	255	100	8260B		4/6/2018	CJR	1
1,3,5-Trimethylbenzene	246	ug/l	63	200	100	8260B		4/6/2018	CJR	1
m&p-Xylene	4200	ug/l	43	138	100	8260B		4/6/2018	CJR	1
o-Xylene	350	ug/l	29	93	100	8260B		4/6/2018	CJR	1

Lab Code 5034417K
Sample ID EP-05
Sample Matrix Water
Sample Date 3/26/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/5/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/5/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/5/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/5/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/5/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/5/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/5/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/5/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/5/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



A handwritten signature in blue ink, appearing to read "Michael J. [unclear]", is written over a horizontal line.

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014 - 002 - 018**
Sampler: (signature) *Tim Petrick*

Project (Name / Location): **US oil Milwaukee South**

Reports To: *Tim Petrick* Invoice To: _____
Company: *Endpoint Solutions* Company: _____
Address: *6871 S lovers lane* Address: *Same*
City State Zip: *Franklin WI* City State Zip: _____
Phone: *414 858 1210* Phone: _____
FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID	
		Date	Time																						
S034764A	MW-100	6/6	915		X	N	3	GW	Hcl																
B	MW-101		930																						
C	MW-102		945																						
D	MW-103		1020																						
E	MW-104		1015																						
F	MW-105		1030																						
G	MW-106		1045																						
H	MW-107		1000				3																		
I	MW-108		1115				2																		
J	MW-109		1130				3																		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Petrick* Time 1300 Date 6/7/18
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: *Chun J. Ren* Time: 8:00 Date: 6/8/18

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No.: _____ Quote No.: _____
 Project #: **014-002-018**
 Sampler: (signature) *Tim Patrick*

Project (Name / Location): **US oil Milwaukee South**
 Reports To: **Tim Patrick** Invoice To: _____
 Company: **Empoint Solutions** Company: _____
 Address: **6871 S. Wavers Lane** Address: *See*
 City State Zip: **Franklin WI** City State Zip: _____
 Phone: **414 858 1210** Phone: _____
 FAX: _____ FAX: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID					

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
S034764k	EP-02	6/6	1145		X	N	3	GW	Hcl
L	EP-05	6/6	1200		X	N	3	GW	Hcl

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: GC
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Patrick* Time 1300 Date 6/7/18
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: *Chris R...* Time: 8:00 Date: 6/8/18

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 18-Jun-18

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34764

Lab Code 5034764A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1110	ug/l	2.2	6.9	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Ethylbenzene	340	ug/l	5.3	16.9	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	6.1 "J"	ug/l	5.7	18.2	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Naphthalene	42 "J"	ug/l	17	53.8	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Toluene	62	ug/l	4.5	14.5	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
1,2,4-Trimethylbenzene	49	ug/l	7.3	23.3	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
m&p-Xylene	148	ug/l	10	31.7	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1
o-Xylene	21.5	ug/l	5.8	18.4	10	GRO95/8021	6/14/2018	6/14/2018	CJR	1

Lab Code 5034764B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	7000	ug/l	11	34.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Ethylbenzene	212	ug/l	26.5	84.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	390	ug/l	28.5	91	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Naphthalene	115 "J"	ug/l	85	269	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
Toluene	165	ug/l	22.5	72.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
1,2,4-Trimethylbenzene	89 "J"	ug/l	36.5	116.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
1,3,5-Trimethylbenzene	< 37.5	ug/l	37.5	119.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
m&p-Xylene	350	ug/l	50	158.5	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1
o-Xylene	65 "J"	ug/l	29	92	50	GRO95/8021	6/14/2018	6/14/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34764

Lab Code 5034764C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	15200	ug/l	22	69	100	GRO95/8021		6/14/2018	CJR	1
Ethylbenzene	1290	ug/l	53	169	100	GRO95/8021		6/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	450	ug/l	57	182	100	GRO95/8021		6/14/2018	CJR	1
Naphthalene	510 "J"	ug/l	170	538	100	GRO95/8021		6/14/2018	CJR	1
Toluene	480	ug/l	45	145	100	GRO95/8021		6/14/2018	CJR	1
1,2,4-Trimethylbenzene	1570	ug/l	73	233	100	GRO95/8021		6/14/2018	CJR	1
1,3,5-Trimethylbenzene	390	ug/l	75	239	100	GRO95/8021		6/14/2018	CJR	1
m&p-Xylene	4700	ug/l	100	317	100	GRO95/8021		6/14/2018	CJR	1
o-Xylene	500	ug/l	58	184	100	GRO95/8021		6/14/2018	CJR	1

Lab Code 5034764D
Sample ID MW-103
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	54	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	17.2	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	17.6	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	2.57	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	1.86 "J"	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Lab Code 5034764E
Sample ID MW-104
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34764

Lab Code 5034764F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	740	ug/l	2.2	6.9	10	GRO95/8021		6/14/2018	CJR	1
Ethylbenzene	85	ug/l	5.3	16.9	10	GRO95/8021		6/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021		6/14/2018	CJR	1
Naphthalene	23.2 "J"	ug/l	17	53.8	10	GRO95/8021		6/14/2018	CJR	1
Toluene	25.3	ug/l	4.5	14.5	10	GRO95/8021		6/14/2018	CJR	1
1,2,4-Trimethylbenzene	17.5 "J"	ug/l	7.3	23.3	10	GRO95/8021		6/14/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021		6/14/2018	CJR	1
m&p-Xylene	79	ug/l	10	31.7	10	GRO95/8021		6/14/2018	CJR	1
o-Xylene	< 5.8	ug/l	5.8	18.4	10	GRO95/8021		6/14/2018	CJR	1

Lab Code 5034764G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Lab Code 5034764H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.56 "J"	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	10.2	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	2.12 "J"	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	0.57 "J"	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	1.13 "J"	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	0.92 "J"	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34764

Lab Code 5034764I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Lab Code 5034764J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	0.67 "J"	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

Lab Code 5034764K
Sample ID EP-02
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	23800	ug/l	22	69	100	GRO95/8021		6/14/2018	CJR	3
Ethylbenzene	2000	ug/l	53	169	100	GRO95/8021		6/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	410	ug/l	57	182	100	GRO95/8021		6/14/2018	CJR	1
Naphthalene	530 "J"	ug/l	170	538	100	GRO95/8021		6/14/2018	CJR	1
Toluene	1190	ug/l	45	145	100	GRO95/8021		6/14/2018	CJR	1
1,2,4-Trimethylbenzene	1620	ug/l	73	233	100	GRO95/8021		6/14/2018	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	75	239	100	GRO95/8021		6/14/2018	CJR	1
m&p-Xylene	5700	ug/l	100	317	100	GRO95/8021		6/14/2018	CJR	1
o-Xylene	560	ug/l	58	184	100	GRO95/8021		6/14/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E34764

Lab Code 5034764L
Sample ID EP-05
Sample Matrix Water
Sample Date 6/6/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/13/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/13/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/13/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		6/13/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/13/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/13/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/13/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/13/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/13/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-018**
Sampler: (signature) *Tim Petrich*

Project (Name / Location): **us oil Milwaukee south**
Reports To: **Endpoint Solutions** Invoice To: _____
Company: **6871 S lovers lane** Company: _____
Address: **Franklin WI** Address: *Same*
City State Zip: _____ City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

										Analysis Requested										Other Analysis					
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
S035251	K EP-02	9/21	1130		X	N	3	GW	Hel																
	L EP-05	1	1125		X	N	3	GW	Hel																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Petrich* Time **1330** Date **9/21/18**
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: *Christopher Rose* Time: **10:00** Date: **9/22/18**

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 05-Oct-18

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E35251

Lab Code 5035251A
Sample ID MW-100
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	930	ug/l	2.2	6.9	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Ethylbenzene	85	ug/l	5.3	16.9	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Naphthalene	35 "J"	ug/l	17	53.8	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Toluene	24.2	ug/l	4.5	14.5	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
1,2,4-Trimethylbenzene	< 7.3	ug/l	7.3	23.3	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
m&p-Xylene	21.1 "J"	ug/l	10	31.7	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1
o-Xylene	8.8 "J"	ug/l	5.8	18.4	10	GRO95/8021	9/27/2018	9/27/2018	CJR	1

Lab Code 5035251B
Sample ID MW-101
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5100	ug/l	11	34.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Ethylbenzene	200	ug/l	26.5	84.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Methyl tert-butyl ether (MTBE)	299	ug/l	28.5	91	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Naphthalene	114 "J"	ug/l	85	269	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
Toluene	122	ug/l	22.5	72.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
1,2,4-Trimethylbenzene	81 "J"	ug/l	36.5	116.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
1,3,5-Trimethylbenzene	< 37.5	ug/l	37.5	119.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
m&p-Xylene	284	ug/l	50	158.5	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1
o-Xylene	46 "J"	ug/l	29	92	50	GRO95/8021	9/27/2018	9/27/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E35251

Lab Code 5035251C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12500	ug/l	22	69	100	GRO95/8021		9/27/2018	CJR	1
Ethylbenzene	1320	ug/l	53	169	100	GRO95/8021		9/27/2018	CJR	1
Methyl tert-butyl ether (MTBE)	400	ug/l	57	182	100	GRO95/8021		9/27/2018	CJR	1
Naphthalene	400 "J"	ug/l	170	538	100	GRO95/8021		9/27/2018	CJR	1
Toluene	680	ug/l	45	145	100	GRO95/8021		9/27/2018	CJR	1
1,2,4-Trimethylbenzene	1470	ug/l	73	233	100	GRO95/8021		9/27/2018	CJR	1
1,3,5-Trimethylbenzene	390	ug/l	75	239	100	GRO95/8021		9/27/2018	CJR	1
m&p-Xylene	5100	ug/l	100	317	100	GRO95/8021		9/27/2018	CJR	1
o-Xylene	1190	ug/l	58	184	100	GRO95/8021		9/27/2018	CJR	1

Lab Code 5035251D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	73	ug/l	0.22	0.69	1	GRO95/8021		9/26/2018	CJR	1
Ethylbenzene	11.5	ug/l	0.53	1.69	1	GRO95/8021		9/26/2018	CJR	1
Methyl tert-butyl ether (MTBE)	13.1	ug/l	0.57	1.82	1	GRO95/8021		9/26/2018	CJR	1
Naphthalene	3.9 "J"	ug/l	1.7	5.38	1	GRO95/8021		9/26/2018	CJR	1
Toluene	4.6	ug/l	0.45	1.45	1	GRO95/8021		9/26/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		9/26/2018	CJR	1
1,3,5-Trimethylbenzene	0.84 "J"	ug/l	0.75	2.39	1	GRO95/8021		9/26/2018	CJR	1
m&p-Xylene	5.7	ug/l	1	3.17	1	GRO95/8021		9/26/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		9/26/2018	CJR	1

Lab Code 5035251E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		9/26/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		9/26/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		9/26/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		9/26/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		9/26/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		9/26/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		9/26/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		9/26/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		9/26/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E35251

Lab Code 5035251F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	840	ug/l	2.2	6.9	10	GRO95/8021		9/27/2018	CJR	1
Ethylbenzene	55	ug/l	5.3	16.9	10	GRO95/8021		9/27/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021		9/27/2018	CJR	1
Naphthalene	< 17	ug/l	17	53.8	10	GRO95/8021		9/27/2018	CJR	1
Toluene	23.4	ug/l	4.5	14.5	10	GRO95/8021		9/27/2018	CJR	1
1,2,4-Trimethylbenzene	16.1 "J"	ug/l	7.3	23.3	10	GRO95/8021		9/27/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021		9/27/2018	CJR	1
m&p-Xylene	61	ug/l	10	31.7	10	GRO95/8021		9/27/2018	CJR	1
o-Xylene	< 5.8	ug/l	5.8	18.4	10	GRO95/8021		9/27/2018	CJR	1

Lab Code 5035251G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		10/4/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		10/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		10/4/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		10/4/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		10/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		10/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		10/4/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		10/4/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/4/2018	CJR	1

Lab Code 5035251H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		10/4/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		10/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		10/4/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		10/4/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		10/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		10/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		10/4/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		10/4/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/4/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E35251

Lab Code 5035251I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		10/4/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		10/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		10/4/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		10/4/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		10/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		10/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		10/4/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		10/4/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/4/2018	CJR	1

Lab Code 5035251J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		10/4/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		10/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	0.82 "J"	ug/l	0.57	1.82	1	GRO95/8021		10/4/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		10/4/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		10/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		10/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		10/4/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		10/4/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/4/2018	CJR	1

Lab Code 5035251K
Sample ID EP-02
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	17000	ug/l	22	69	100	GRO95/8021		10/5/2018	CJR	1
Ethylbenzene	1790	ug/l	53	169	100	GRO95/8021		10/5/2018	CJR	1
Methyl tert-butyl ether (MTBE)	311	ug/l	57	182	100	GRO95/8021		10/5/2018	CJR	1
Naphthalene	640	ug/l	170	538	100	GRO95/8021		10/5/2018	CJR	1
Toluene	530	ug/l	45	145	100	GRO95/8021		10/5/2018	CJR	1
1,2,4-Trimethylbenzene	1340	ug/l	73	233	100	GRO95/8021		10/5/2018	CJR	1
1,3,5-Trimethylbenzene	296	ug/l	75	239	100	GRO95/8021		10/5/2018	CJR	1
m&p-Xylene	4900	ug/l	100	317	100	GRO95/8021		10/5/2018	CJR	1
o-Xylene	240	ug/l	58	184	100	GRO95/8021		10/5/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-018

Invoice # E35251

Lab Code 5035251L
Sample ID EP-05
Sample Matrix Water
Sample Date 9/21/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		10/4/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		10/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		10/4/2018	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.38	1	GRO95/8021		10/4/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		10/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		10/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		10/4/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		10/4/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		10/4/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No.: _____ Quote No.: _____
 Project #: **014-002-020**
 Sampler: (signature) *Tim Petrick*

Project (Name / Location): **vs oil milwaukee south**
 Reports To: *Tim Petrick* Invoice To: _____
 Company: **Endpoint Solutions** Company: _____
 Address: **6871 S. Lovers Lane** Address: *Same*
 City State Zip: **Franklin WI** City State Zip: _____
 Phone: **414 858 1210** Phone: _____
 FAX: _____ FAX: _____

										Analysis Requested										Other Analysis									
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID					
5035630A	MW-100	12/18	10:30		X	N	3	GW	HCl																				
B	MW-101		10:45																										
	MW-102		11:00																										
C	MW-103		12:15																										
D	MW-104		12:30																										
E	MW-105		12:45																										
F	MW-106		12:00																										
G	MW-107		11:45																										
H	MW-108		11:30																										
I	MW-109		11:15																										

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: ce
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Petrick* Time 1400 Date 12/18/18
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: *Anna J. P...* Time: 8:00 Date: 12/17/18

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No.: _____ Quote No.: _____
 Project #: 014-002-020
 Sampler: (signature) Tim Petrich

Project (Name / Location): vs oil milwaukee south
 Reports To: Tim Petrich Invoice To: _____
 Company: Endpoint Solutions Company: _____
 Address: 6871 S lovers lane Address: _____
 City State Zip: Franklin WI City State Zip: _____
 Phone: 414 858 1210 Phone: _____
 FAX: _____ FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DPO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	Other Analysis						PID/FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>503560 J</u>	<u>EP-2</u>	<u>12/18</u>	<u>100</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>
<u>K</u>	<u>EP-5</u>	<u>12/18</u>	<u>110</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>Hcl</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Ge
 Temp. of Temp. Blank _____ °C On Ice: X
 Cooler seal intact upon receipt: X Yes _____ No

Relinquished By: (sign) Tim Petrich Time: 1400 Date: 12/18/18
 Received By: (sign) _____ Time: _____ Date: _____
 Received in Laboratory By: [Signature] Time: 3:00 Date: 12/19/18

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 28-Dec-18

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35630

Lab Code 5035630A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	990	ug/l	2.2	7.1	10	8260B		12/23/2018	CJR	1
Ethylbenzene	36	ug/l	2.6	8.3	10	8260B		12/23/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.8	ug/l	2.8	8.9	10	8260B		12/23/2018	CJR	1
Naphthalene	< 21	ug/l	21	66.5	10	8260B		12/23/2018	CJR	1
Toluene	23.6	ug/l	1.9	6	10	8260B		12/23/2018	CJR	1
1,2,4-Trimethylbenzene	< 8	ug/l	8	25.5	10	8260B		12/23/2018	CJR	1
1,3,5-Trimethylbenzene	< 6.3	ug/l	6.3	20	10	8260B		12/23/2018	CJR	1
m&p-Xylene	19	ug/l	4.3	13.8	10	8260B		12/23/2018	CJR	1
o-Xylene	7.4 "J"	ug/l	2.9	9.3	10	8260B		12/23/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35630

Lab Code 5035630B
Sample ID MW-101
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6000	ug/l	11	34.5	50	GRO95/8021		12/28/2018	CJR	1
Ethylbenzene	241	ug/l	5.2	16.6	20	8260B		12/23/2018	CJR	1
Methyl tert-butyl ether (MTBE)	420	ug/l	5.6	17.8	20	8260B		12/23/2018	CJR	1
Naphthalene	71 "J"	ug/l	42	133	20	8260B		12/23/2018	CJR	1
Toluene	156	ug/l	3.8	12	20	8260B		12/23/2018	CJR	1
1,2,4-Trimethylbenzene	103	ug/l	16	51	20	8260B		12/23/2018	CJR	1
1,3,5-Trimethylbenzene	21.4 "J"	ug/l	12.6	40	20	8260B		12/23/2018	CJR	1
m&p-Xylene	430	ug/l	8.6	27.6	20	8260B		12/23/2018	CJR	1
o-Xylene	42	ug/l	5.8	18.6	20	8260B		12/23/2018	CJR	1

Lab Code 5035630C
Sample ID MW-103
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	39	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	31.2	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	10.4	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	3.9 "J"	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	2.53	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	1.31 "J"	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	1.45 "J"	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	7.6	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Lab Code 5035630D
Sample ID MW-104
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35630

Lab Code 5035630E
Sample ID MW-105
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1140	ug/l	2.2	6.9	10	GRO95/8021		12/28/2018	CJR	1
Ethylbenzene	64	ug/l	5.3	16.9	10	GRO95/8021		12/28/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 5.7	ug/l	5.7	18.2	10	GRO95/8021		12/28/2018	CJR	1
Naphthalene	< 17	ug/l	17	53.8	10	GRO95/8021		12/28/2018	CJR	1
Toluene	30.3	ug/l	4.5	14.5	10	GRO95/8021		12/28/2018	CJR	1
1,2,4-Trimethylbenzene	23.3 "J"	ug/l	7.3	23.3	10	GRO95/8021		12/28/2018	CJR	1
1,3,5-Trimethylbenzene	< 7.5	ug/l	7.5	23.9	10	GRO95/8021		12/28/2018	CJR	1
m&p-Xylene	91	ug/l	10	31.7	10	GRO95/8021		12/28/2018	CJR	1
o-Xylene	6.1 "J"	ug/l	5.8	18.4	10	GRO95/8021		12/28/2018	CJR	1

Lab Code 5035630F
Sample ID MW-106
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Lab Code 5035630G
Sample ID MW-107
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.75	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	9.9	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35630

Lab Code 5035630H
Sample ID MW-108
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Lab Code 5035630I
Sample ID MW-109
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	0.58 "J"	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

Lab Code 5035630J
Sample ID EP-2
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	20600	ug/l	22	71	100	8260B		12/22/2018	CJR	1
Ethylbenzene	1630	ug/l	26	83	100	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	400	ug/l	28	89	100	8260B		12/22/2018	CJR	1
Naphthalene	510 "J"	ug/l	210	665	100	8260B		12/22/2018	CJR	1
Toluene	360	ug/l	19	60	100	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	1470	ug/l	80	255	100	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	247	ug/l	63	200	100	8260B		12/22/2018	CJR	1
m&p-Xylene	4800	ug/l	43	138	100	8260B		12/22/2018	CJR	1
o-Xylene	176	ug/l	29	93	100	8260B		12/22/2018	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35630

Lab Code 5035630K
Sample ID EP-5
Sample Matrix Water
Sample Date 12/18/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/22/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/22/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/22/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/22/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/22/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/22/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/22/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/22/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/22/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **014-002-020**
Sampler: (signature) *Tim Pfeiffer*

Project (Name / Location): **vs oil Milwaukee South**

Reports To: *Tim Pfeiffer* Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S covers lane** Address: *See*
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID	
		Date	Time																						
S03586A	MW-100	3/12	1245		X	N	3	GW	Hcl																
B	MW-103		1230																						
C	MW-104		1200																						
D	MW-106		1100																						
E	MW-107		1045																						
F	MW-108		1030																						
G	MW-109		1215																						
H	EP-02		1145																						
I	EP-05		1115																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Relinquished By: (sign) *Tim Pfeiffer* Time **1300** Date **3/12/19** Received By: (sign) _____ Time _____ Date _____

Method of Shipment: **GC**

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Received in Laboratory By: *[Signature]* Time: **8:00** Date: **3/13/19**

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 15-Mar-19

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35865

Lab Code 5035865A
Sample ID MW-100
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	930	ug/l	2.2	7.1	10	8260B		3/13/2019	CJR	1
Ethylbenzene	90	ug/l	2.6	8.3	10	8260B		3/13/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.8	ug/l	2.8	8.9	10	8260B		3/13/2019	CJR	1
Naphthalene	< 21	ug/l	21	66.5	10	8260B		3/13/2019	CJR	1
Toluene	22.1	ug/l	1.9	6	10	8260B		3/13/2019	CJR	1
1,2,4-Trimethylbenzene	< 8	ug/l	8	25.5	10	8260B		3/13/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.3	ug/l	6.3	20	10	8260B		3/13/2019	CJR	1
m&p-Xylene	13.8	ug/l	4.3	13.8	10	8260B		3/13/2019	CJR	1
o-Xylene	5.6 "J"	ug/l	2.9	9.3	10	8260B		3/13/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35865

Lab Code 5035865B
Sample ID MW-103
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	10	ug/l	0.22	0.71	1	8260B		3/13/2019	CJR	1
Ethylbenzene	5.3	ug/l	0.26	0.83	1	8260B		3/13/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/13/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/13/2019	CJR	1
Toluene	0.64	ug/l	0.19	0.6	1	8260B		3/13/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/13/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/13/2019	CJR	1
m&p-Xylene	3.09	ug/l	0.43	1.38	1	8260B		3/13/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/13/2019	CJR	1

Lab Code 5035865C
Sample ID MW-104
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		3/13/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/13/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/13/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/13/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		3/13/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/13/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/13/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/13/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/13/2019	CJR	1

Lab Code 5035865D
Sample ID MW-106
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		3/13/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/13/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/13/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/13/2019	CJR	1
Toluene	0.21 "J"	ug/l	0.19	0.6	1	8260B		3/13/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/13/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/13/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/13/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/13/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35865

Lab Code 5035865E
Sample ID MW-107
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.29	ug/l	0.22	0.71	1	8260B		3/14/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	3.3	ug/l	0.28	0.89	1	8260B		3/14/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/14/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		3/14/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/14/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/14/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/14/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/14/2019	CJR	1

Lab Code 5035865F
Sample ID MW-108
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		3/14/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/14/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/14/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		3/14/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/14/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/14/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/14/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/14/2019	CJR	1

Lab Code 5035865G
Sample ID MW-109
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		3/14/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/14/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/14/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		3/14/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/14/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/14/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/14/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/14/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E35865

Lab Code 5035865H
Sample ID EP-02
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	17600	ug/l	44	142	200	8260B		3/14/2019	CJR	1
Ethylbenzene	1280	ug/l	52	166	200	8260B		3/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	316	ug/l	56	178	200	8260B		3/14/2019	CJR	2
Naphthalene	500 "J"	ug/l	420	1330	200	8260B		3/14/2019	CJR	1
Toluene	300	ug/l	38	120	200	8260B		3/14/2019	CJR	1
1,2,4-Trimethylbenzene	1480	ug/l	160	510	200	8260B		3/14/2019	CJR	1
1,3,5-Trimethylbenzene	250 "J"	ug/l	126	400	200	8260B		3/14/2019	CJR	1
m&p-Xylene	4200	ug/l	86	276	200	8260B		3/14/2019	CJR	1
o-Xylene	138 "J"	ug/l	58	186	200	8260B		3/14/2019	CJR	1

Lab Code 5035865I
Sample ID EP-05
Sample Matrix Water
Sample Date 3/12/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		3/14/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		3/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		3/14/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		3/14/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		3/14/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		3/14/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		3/14/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		3/14/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		3/14/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 2 Relative percent difference failed for laboratory spiked samples.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: **014-002-020**
Sampler: (signature) *Tim Petrich*

Project (Name / Location): **VS oil Milwaukee South**
Reports To: *Tim Petrich* Invoice To: _____
Company: **Endpoint Solutions** Company: _____
Address: **6871 S covers lane** Address: *Same*
City State Zip: **Franklin WI** City State Zip: _____
Phone: **414 858 1210** Phone: _____
FAX: _____ FAX: _____

										Analysis Requested										Other Analysis									
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID					
S036376	A	MW-100	6/20	1215		X	N	3	GW																				
	B	MW-101		1200																									
	C	MW-102		1145																									
	D	MW-103		1045																									
	C	MW-104		1100																									
	F	MW-105		1130																									
	G	MW-106		745																									
	H	MW-107		730																									
	I	MW-108		715																									
	J	MW-109		1030																									

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank _____ °C On Ice
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *Tim Petrich* Time 1400 Date 6/21/19
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: *Chris R.* Time 10:00 Date 6/21/19

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 014-002-020
Sampler: (signature) US out Jim Petrich

Project (Name / Location): US oil Milwaukee South
Reports To: Jim Petrich Invoice To: _____
Company: Endpoint Solutions Company: _____
Address: 6871 S Lowers Lane Address: Spur
City State Zip: Franklin WI City State Zip: _____
Phone: 414 858 1210 Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	Other Analysis						PID/FID
								<input checked="" type="checkbox"/>												
								<input checked="" type="checkbox"/>												

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>5036376k</u>	<u>EP-2</u>	<u>6/20</u>	<u>1115</u>		<input checked="" type="checkbox"/>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HL</u>
<u>L</u>	<u>EP-5</u>	<u>6/20</u>	<u>800</u>		<input checked="" type="checkbox"/>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HL</u>

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: bc
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes _____ No

Requisitioned By: (sign) Jim Petrich Time 1400 Date 6/21/19
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: [Signature] Time: 10:00 Date: 6/21/19

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 02-Jul-19

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E36376

Lab Code 5036376A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	990	ug/l	3.2	10.2	10	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	360	ug/l	2.9	9.4	10	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		7/2/2019	CJR	1
Naphthalene	31.3 "J"	ug/l	13	41	10	GRO95/8021		7/2/2019	CJR	1
Toluene	59	ug/l	2.9	9.3	10	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	16.8	ug/l	4.6	14.6	10	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.7	ug/l	6.7	21.5	10	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	124	ug/l	5.2	16.7	10	GRO95/8021		7/2/2019	CJR	1
o-Xylene	15.6 "J"	ug/l	7	22.4	10	GRO95/8021		7/2/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E36376

Lab Code 5036376B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6500	ug/l	16	51	50	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	300	ug/l	14.5	47	50	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	390	ug/l	12	39	50	GRO95/8021		7/2/2019	CJR	1
Naphthalene	67 "J"	ug/l	65	205	50	GRO95/8021		7/2/2019	CJR	1
Toluene	145	ug/l	14.5	46.5	50	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	69 "J"	ug/l	23	73	50	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 33.5	ug/l	33.5	107.5	50	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	308	ug/l	26	83.5	50	GRO95/8021		7/2/2019	CJR	1
o-Xylene	41 "J"	ug/l	35	112	50	GRO95/8021		7/2/2019	CJR	1

Lab Code 5036376C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13100	ug/l	32	102	100	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	1350	ug/l	29	94	100	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	460	ug/l	24	78	100	GRO95/8021		7/2/2019	CJR	1
Naphthalene	410	ug/l	130	410	100	GRO95/8021		7/2/2019	CJR	1
Toluene	600	ug/l	29	93	100	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	1580	ug/l	46	146	100	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	410	ug/l	67	215	100	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	5200	ug/l	52	167	100	GRO95/8021		7/2/2019	CJR	1
o-Xylene	930	ug/l	70	224	100	GRO95/8021		7/2/2019	CJR	1

Lab Code 5036376D
Sample ID MW-103
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	124	ug/l	0.32	1.02	1	GRO95/8021		7/1/2019	CJR	1
Ethylbenzene	49	ug/l	0.29	0.94	1	GRO95/8021		7/1/2019	CJR	1
Methyl tert-butyl ether (MTBE)	7.7	ug/l	0.24	0.78	1	GRO95/8021		7/1/2019	CJR	1
Naphthalene	4.9	ug/l	1.3	4.1	1	GRO95/8021		7/1/2019	CJR	1
Toluene	4.8	ug/l	0.29	0.93	1	GRO95/8021		7/1/2019	CJR	1
1,2,4-Trimethylbenzene	1.94	ug/l	0.46	1.46	1	GRO95/8021		7/1/2019	CJR	1
1,3,5-Trimethylbenzene	1.24 "J"	ug/l	0.67	2.15	1	GRO95/8021		7/1/2019	CJR	1
m&p-Xylene	10.2	ug/l	0.52	1.67	1	GRO95/8021		7/1/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/1/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E36376

Lab Code 5036376E
Sample ID MW-104
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		7/1/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/1/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		7/1/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/1/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		7/1/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/1/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/1/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/1/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/1/2019	CJR	1

Lab Code 5036376F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	850	ug/l	3.2	10.2	10	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	58	ug/l	2.9	9.4	10	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		7/2/2019	CJR	1
Naphthalene	13.4 "J"	ug/l	13	41	10	GRO95/8021		7/2/2019	CJR	1
Toluene	21.6	ug/l	2.9	9.3	10	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	23.2	ug/l	4.6	14.6	10	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.7	ug/l	6.7	21.5	10	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	58	ug/l	5.2	16.7	10	GRO95/8021		7/2/2019	CJR	1
o-Xylene	< 7	ug/l	7	22.4	10	GRO95/8021		7/2/2019	CJR	1

Lab Code 5036376G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		7/1/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/1/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		7/1/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/1/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		7/1/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/1/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/1/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/1/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/1/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E36376

Lab Code 5036376H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.51 "J"	ug/l	0.32	1.02	1	GRO95/8021		7/1/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/1/2019	CJR	1
Methyl tert-butyl ether (MTBE)	11.8	ug/l	0.24	0.78	1	GRO95/8021		7/1/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/1/2019	CJR	1
Toluene	0.31 "J"	ug/l	0.29	0.93	1	GRO95/8021		7/1/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/1/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/1/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/1/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/1/2019	CJR	1

Lab Code 5036376I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		7/2/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/2/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/2/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/2/2019	CJR	1

Lab Code 5036376J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	0.80	ug/l	0.24	0.78	1	GRO95/8021		7/2/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/2/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/2/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/2/2019	CJR	1

Project Name US OIL MILWAUKEE SOUTH
Project # 014-002-020

Invoice # E36376

Lab Code 5036376K
Sample ID EP-2
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	23200	ug/l	64	204	200	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	2290	ug/l	58	188	200	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	430	ug/l	48	156	200	GRO95/8021		7/2/2019	CJR	1
Naphthalene	540 "J"	ug/l	260	820	200	GRO95/8021		7/2/2019	CJR	1
Toluene	620	ug/l	58	186	200	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	1820	ug/l	92	292	200	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	400 "J"	ug/l	134	430	200	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	6300	ug/l	104	334	200	GRO95/8021		7/2/2019	CJR	1
o-Xylene	320 "J"	ug/l	140	448	200	GRO95/8021		7/2/2019	CJR	1

Lab Code 5036376L
Sample ID EP-5
Sample Matrix Water
Sample Date 6/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		7/2/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		7/2/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		7/2/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		7/2/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		7/2/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		7/2/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		7/2/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		7/2/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		7/2/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: 014-002-020
 Sampler: (signature) [Signature]

Project (Name / Location): US Oil MKE South
 Reports To: Tom Petrucci Invoice To: _____
 Company: Endpoint Solutions Company: _____
 Address: 68715 Lovers Ln Address: SAME
 City State Zip: Franklin WI City State Zip: _____
 Phone: 414 858 1210 Phone: _____
 FAX: _____ FAX: _____

										Analysis Requested										Other Analysis									
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524-2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID					
<u>S036787 k</u>	<u>EP-2</u>	<u>9/11/19</u>	<u>1100</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCl</u>																				
<u>L</u>	<u>EP-5</u>	<u>9/10/19</u>	<u>1000</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCl</u>										<u>X</u>										

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Ge
 Temp. of Temp. Blank _____ °C On Ice:
 Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) [Signature] Time 1315 Date 9/11/19
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 8:00 Date: 9/13/19

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 19-Sep-19

Project Name US OIL MKE SOUTH
Project # 014-003-030

Invoice # E36782

Lab Code 5036782A
Sample ID MW-100
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	980	ug/l	3.2	10.2	10	GRO95/8021		9/19/2019	CJR	1
Ethylbenzene	67	ug/l	2.9	9.4	10	GRO95/8021		9/19/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		9/19/2019	CJR	1
Naphthalene	< 13	ug/l	13	41	10	GRO95/8021		9/19/2019	CJR	1
Toluene	27.2	ug/l	2.9	9.3	10	GRO95/8021		9/19/2019	CJR	1
1,2,4-Trimethylbenzene	< 4.6	ug/l	4.6	14.6	10	GRO95/8021		9/19/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.7	ug/l	6.7	21.5	10	GRO95/8021		9/19/2019	CJR	1
m&p-Xylene	19.2	ug/l	5.2	16.7	10	GRO95/8021		9/19/2019	CJR	1
o-Xylene	< 7	ug/l	7	22.4	10	GRO95/8021		9/19/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-003-030

Invoice # E36782

Lab Code 5036782B
Sample ID MW-101
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5900	ug/l	16	51	50	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	211	ug/l	14.5	47	50	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	330	ug/l	12	39	50	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 65	ug/l	65	205	50	GRO95/8021		9/18/2019	CJR	1
Toluene	129	ug/l	14.5	46.5	50	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	42 "J"	ug/l	23	73	50	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 33.5	ug/l	33.5	107.5	50	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	226	ug/l	26	83.5	50	GRO95/8021		9/18/2019	CJR	1
o-Xylene	45 "J"	ug/l	35	112	50	GRO95/8021		9/18/2019	CJR	1

Lab Code 5036782C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12300	ug/l	32	102	100	GRO95/8021		9/19/2019	CJR	1
Ethylbenzene	1530	ug/l	29	94	100	GRO95/8021		9/19/2019	CJR	1
Methyl tert-butyl ether (MTBE)	450	ug/l	24	78	100	GRO95/8021		9/19/2019	CJR	1
Naphthalene	730	ug/l	130	410	100	GRO95/8021		9/19/2019	CJR	1
Toluene	570	ug/l	29	93	100	GRO95/8021		9/19/2019	CJR	1
1,2,4-Trimethylbenzene	2250	ug/l	46	146	100	GRO95/8021		9/19/2019	CJR	1
1,3,5-Trimethylbenzene	530	ug/l	67	215	100	GRO95/8021		9/19/2019	CJR	1
m&p-Xylene	5000	ug/l	52	167	100	GRO95/8021		9/19/2019	CJR	1
o-Xylene	830	ug/l	70	224	100	GRO95/8021		9/19/2019	CJR	1

Lab Code 5036782D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	77	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	4.1	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	8.3	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	1.8 "J"	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	4.1	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	0.48 "J"	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	3.5	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-003-030

Invoice # E36782

Lab Code 5036782E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Lab Code 5036782F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	490	ug/l	3.2	10.2	10	GRO95/8021		9/19/2019	CJR	1
Ethylbenzene	12.2	ug/l	2.9	9.4	10	GRO95/8021		9/19/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		9/19/2019	CJR	1
Naphthalene	< 13	ug/l	13	41	10	GRO95/8021		9/19/2019	CJR	1
Toluene	11.8	ug/l	2.9	9.3	10	GRO95/8021		9/19/2019	CJR	1
1,2,4-Trimethylbenzene	7.9 "J"	ug/l	4.6	14.6	10	GRO95/8021		9/19/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.7	ug/l	6.7	21.5	10	GRO95/8021		9/19/2019	CJR	1
m&p-Xylene	28.8	ug/l	5.2	16.7	10	GRO95/8021		9/19/2019	CJR	1
o-Xylene	< 7	ug/l	7	22.4	10	GRO95/8021		9/19/2019	CJR	1

Lab Code 5036782G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-003-030

Invoice # E36782

Lab Code 5036782H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.39 "J"	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	15.3	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	0.45 "J"	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Lab Code 5036782I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Lab Code 5036782J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	1.13	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	0.304 "J"	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-003-030

Invoice # E36782

Lab Code 5036782K
Sample ID EP-2
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2190	ug/l	32	102	100	GRO95/8021		9/19/2019	CJR	1
Ethylbenzene	2490	ug/l	29	94	100	GRO95/8021		9/19/2019	CJR	1
Methyl tert-butyl ether (MTBE)	330	ug/l	24	78	100	GRO95/8021		9/19/2019	CJR	1
Naphthalene	680	ug/l	130	410	100	GRO95/8021		9/19/2019	CJR	3
Toluene	560	ug/l	29	93	100	GRO95/8021		9/19/2019	CJR	1
1,2,4-Trimethylbenzene	1830	ug/l	46	146	100	GRO95/8021		9/19/2019	CJR	1
1,3,5-Trimethylbenzene	380	ug/l	67	215	100	GRO95/8021		9/19/2019	CJR	1
m&p-Xylene	6200	ug/l	52	167	100	GRO95/8021		9/19/2019	CJR	1
o-Xylene	274	ug/l	70	224	100	GRO95/8021		9/19/2019	CJR	1

Lab Code 5036782L
Sample ID EP-5
Sample Matrix Water
Sample Date 9/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		9/18/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		9/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		9/18/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		9/18/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		9/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		9/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		9/18/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		9/18/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		9/18/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 3 The matrix spike not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
 Account No.: _____ Quote No.: _____
 Project #: 014-002-021
 Sampler: (signature) Tim Petrich

Project (Name / Location): VS Oil MKE South

Reports To: Tim Petrich Invoice To: _____
 Company: Endpoint Solutions Company: _____
 Address: 6871 S Lovers Lane Address: Same
 City State Zip: Franklin WI City State Zip: _____
 Phone: 414 858 1210 Phone: _____
 FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date Time		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID	
<u>537300A</u>	<u>MW-100</u>	<u>12/17</u>	<u>1000</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>#cl</u>																
<u>B</u>	<u>MW-101</u>		<u>1015</u>																						
<u>C</u>	<u>MW-102</u>		<u>1030</u>																						
<u>D</u>	<u>MW-103</u>		<u>1130</u>																						
<u>E</u>	<u>MW-104</u>		<u>1100</u>																						
<u>F</u>	<u>MW-105</u>		<u>1130</u>																						
<u>G</u>	<u>MW-106</u>		<u>1045</u>																						
<u>H</u>	<u>MW-107</u>		<u>1100</u>																						
<u>I</u>	<u>MW-108</u>		<u>1045</u>																						
<u>J</u>	<u>MW-109</u>		<u>1000</u>																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: gogo x
 Temp. of Temp. Blank: _____ °C On Ice: α
 Cooler seal intact upon receipt: α Yes _____ No

Relinquished By: (sign) Tim Petrich Time 1300 Date 12/18/19
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 8:00 AM Date: 12-19-19

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #: 014-002-021	
Sampler: (signature) <i>Tim Petrich</i>	
Project (Name / Location): US oil MKE South	
Reports To: Tim Petrich	Invoice To:
Company: Endpoint Solutions	Company: <i>Same</i>
Address: 6871 S covers Lane	Address:
City State Zip: Franklin WI	City State Zip:
Phone: 414 858 1210	Phone:
FAX:	FAX:

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
		Date	Time																						
103720014	EP-02	12/17	1015		X	N	3	GW	Hel																
K	EP-05	12/17	1030		X	N	3	GW	Hel									X					no sample		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>COLD</u> Temp. of Temp. Blank _____ °C On Ice: <u>X</u> Cooler seal intact upon receipt: <u>X</u> Yes ___ No	Relinquished By: (sign) <i>Tim Petrich</i>	Time <u>1300</u>	Date <u>12/18/19</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <i>[Signature]</i>	Time: <u>8:00 AM</u>	Date: <u>12-19-19</u>			

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 02-Jan-20

Project Name US OIL MKE SOUTH
Project # 014-002-021
Lab Code 5037300A
Sample ID MW-100
Sample Matrix Water
Sample Date 12/17/2019

Invoice # E37300

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1080	ug/l	3.2	10.2	10	GRO95/8021		12/31/2019	CJR	1
Ethylbenzene	293	ug/l	2.9	9.4	10	GRO95/8021		12/31/2019	CJR	1
Methyl tert-butyl ether (MTBE)	2.66 "J"	ug/l	2.4	7.8	10	GRO95/8021		12/31/2019	CJR	1
Naphthalene	57	ug/l	13	41	10	GRO95/8021		12/31/2019	CJR	1
Toluene	75	ug/l	2.9	9.3	10	GRO95/8021		12/31/2019	CJR	1
1,2,4-Trimethylbenzene	18.8	ug/l	4.6	14.6	10	GRO95/8021		12/31/2019	CJR	1
1,3,5-Trimethylbenzene	18.8 "J"	ug/l	6.7	21.5	10	GRO95/8021		12/31/2019	CJR	1
m&p-Xylene	146	ug/l	5.2	16.7	10	GRO95/8021		12/31/2019	CJR	1
o-Xylene	22.3 "J"	ug/l	7	22.4	10	GRO95/8021		12/31/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-021

Invoice # E37300

Lab Code 5037300B
Sample ID MW-101
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6500	ug/l	16	51	50	GRO95/8021		12/31/2019	CJR	1
Ethylbenzene	185	ug/l	14.5	47	50	GRO95/8021		12/31/2019	CJR	1
Methyl tert-butyl ether (MTBE)	340	ug/l	12	39	50	GRO95/8021		12/31/2019	CJR	1
Naphthalene	70 "J"	ug/l	65	205	50	GRO95/8021		12/31/2019	CJR	1
Toluene	129	ug/l	14.5	46.5	50	GRO95/8021		12/31/2019	CJR	1
1,2,4-Trimethylbenzene	107	ug/l	23	73	50	GRO95/8021		12/31/2019	CJR	1
1,3,5-Trimethylbenzene	< 33.5	ug/l	33.5	107.5	50	GRO95/8021		12/31/2019	CJR	1
m&p-Xylene	320	ug/l	26	83.5	50	GRO95/8021		12/31/2019	CJR	1
o-Xylene	39 "J"	ug/l	35	112	50	GRO95/8021		12/31/2019	CJR	1

Lab Code 5037300C
Sample ID MW-102
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13300	ug/l	32	102	100	GRO95/8021		12/31/2019	CJR	1
Ethylbenzene	1360	ug/l	29	94	100	GRO95/8021		12/31/2019	CJR	1
Methyl tert-butyl ether (MTBE)	340	ug/l	24	78	100	GRO95/8021		12/31/2019	CJR	1
Naphthalene	470	ug/l	130	410	100	GRO95/8021		12/31/2019	CJR	1
Toluene	500	ug/l	29	93	100	GRO95/8021		12/31/2019	CJR	1
1,2,4-Trimethylbenzene	2570	ug/l	46	146	100	GRO95/8021		12/31/2019	CJR	1
1,3,5-Trimethylbenzene	620	ug/l	67	215	100	GRO95/8021		12/31/2019	CJR	1
m&p-Xylene	4800	ug/l	52	167	100	GRO95/8021		12/31/2019	CJR	1
o-Xylene	670	ug/l	70	224	100	GRO95/8021		12/31/2019	CJR	1

Lab Code 5037300D
Sample ID MW-103
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	38	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	17.7	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	9.0	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	3.07 "J"	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	2.83	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	0.57 "J"	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	0.77 "J"	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	4.7	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-021

Invoice # E37300

Lab Code 5037300E
Sample ID MW-104
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Lab Code 5037300F
Sample ID MW-105
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1110	ug/l	3.2	10.2	10	GRO95/8021		12/31/2019	CJR	1
Ethylbenzene	96	ug/l	2.9	9.4	10	GRO95/8021		12/31/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		12/31/2019	CJR	1
Naphthalene	< 13	ug/l	13	41	10	GRO95/8021		12/31/2019	CJR	1
Toluene	28	ug/l	2.9	9.3	10	GRO95/8021		12/31/2019	CJR	1
1,2,4-Trimethylbenzene	22.1	ug/l	4.6	14.6	10	GRO95/8021		12/31/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.7	ug/l	6.7	21.5	10	GRO95/8021		12/31/2019	CJR	1
m&p-Xylene	97	ug/l	5.2	16.7	10	GRO95/8021		12/31/2019	CJR	1
o-Xylene	< 7	ug/l	7	22.4	10	GRO95/8021		12/31/2019	CJR	1

Lab Code 5037300G
Sample ID MW-106
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-021

Invoice # E37300

Lab Code 5037300H
Sample ID MW-107
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.56 "J"	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	1.76	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	0.39 "J"	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	0.53 "J"	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Lab Code 5037300I
Sample ID MW-108
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Lab Code 5037300J
Sample ID MW-109
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	0.53 "J"	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

Project Name US OIL MKE SOUTH
Project # 014-002-021

Invoice # E37300

Lab Code 5037300K
Sample ID EP-05
Sample Matrix Water
Sample Date 12/17/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		12/30/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		12/30/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		12/30/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		12/30/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		12/30/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		12/30/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		12/30/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		12/30/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		12/30/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC

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TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 02-Apr-20

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E37681

Lab Code 5037681A
Sample ID MW-100
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1240	ug/l	3.3	10	10	8260B		3/30/2020	CJR	1
Ethylbenzene	232	ug/l	3.2	10	10	8260B		3/30/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	8260B		3/30/2020	CJR	1
Naphthalene	29.2 "J"	ug/l	11	36	10	8260B		3/30/2020	CJR	1
Toluene	56	ug/l	2.6	8.3	10	8260B		3/30/2020	CJR	1
1,2,4-Trimethylbenzene	7 "J"	ug/l	3	9.6	10	8260B		3/30/2020	CJR	1
1,3,5-Trimethylbenzene	8.3 "J"	ug/l	3.2	10	10	8260B		3/30/2020	CJR	1
m&p-Xylene	70	ug/l	11	33	10	8260B		3/30/2020	CJR	1
o-Xylene	10.2 "J"	ug/l	3.8	12	10	8260B		3/30/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E37681

Lab Code 5037681B
Sample ID MW-101
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	6800	ug/l	16.5	50	50	8260B		3/30/2020	CJR	1
Ethylbenzene	234	ug/l	16	50	50	8260B		3/30/2020	CJR	1
Methyl tert-butyl ether (MTBE)	350	ug/l	23.5	75	50	8260B		3/30/2020	CJR	1
Naphthalene	< 55	ug/l	55	180	50	8260B		3/30/2020	CJR	1
Toluene	148	ug/l	13	41.5	50	8260B		3/30/2020	CJR	1
1,2,4-Trimethylbenzene	43 "J"	ug/l	15	48	50	8260B		3/30/2020	CJR	1
1,3,5-Trimethylbenzene	23.5 "J"	ug/l	16	50	50	8260B		3/30/2020	CJR	1
m&p-Xylene	340	ug/l	55	165	50	8260B		3/30/2020	CJR	1
o-Xylene	30 "J"	ug/l	19	60	50	8260B		3/30/2020	CJR	1

Lab Code 5037681C
Sample ID MW-102
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12700	ug/l	33	100	100	8260B		3/30/2020	CJR	1
Ethylbenzene	1530	ug/l	32	100	100	8260B		3/30/2020	CJR	1
Methyl tert-butyl ether (MTBE)	360	ug/l	47	150	100	8260B		3/30/2020	CJR	1
Naphthalene	510	ug/l	110	360	100	8260B		3/30/2020	CJR	1
Toluene	480	ug/l	26	83	100	8260B		3/30/2020	CJR	1
1,2,4-Trimethylbenzene	2520	ug/l	30	96	100	8260B		3/30/2020	CJR	1
1,3,5-Trimethylbenzene	580	ug/l	32	100	100	8260B		3/30/2020	CJR	1
m&p-Xylene	5700	ug/l	110	330	100	8260B		3/30/2020	CJR	1
o-Xylene	760	ug/l	38	120	100	8260B		3/30/2020	CJR	1

Lab Code 5037681D
Sample ID MW-103
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	221	ug/l	0.48	1.54	1	GRO95/8021		3/31/2020	CJR	1
Ethylbenzene	215	ug/l	0.55	1.76	1	GRO95/8021		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		3/31/2020	CJR	1
Naphthalene	41	ug/l	1.44	4.58	1	GRO95/8021		3/31/2020	CJR	1
Toluene	16.9	ug/l	0.62	1.98	1	GRO95/8021		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	14.3	ug/l	0.71	2.26	1	GRO95/8021		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	10.6	ug/l	0.66	2.08	1	GRO95/8021		3/31/2020	CJR	1
m&p-Xylene	78	ug/l	1.35	4.31	1	GRO95/8021		3/31/2020	CJR	1
o-Xylene	1.63 "J"	ug/l	0.69	2.21	1	GRO95/8021		3/31/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E37681

Lab Code 5037681E
Sample ID MW-104
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		4/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		4/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		4/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		4/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		4/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		4/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		4/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		4/1/2020	CJR	1

Lab Code 5037681F
Sample ID MW-105
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	690	ug/l	3.3	10	10	8260B		3/30/2020	CJR	1
Ethylbenzene	100	ug/l	3.2	10	10	8260B		3/30/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	8260B		3/30/2020	CJR	1
Naphthalene	19.7 "J"	ug/l	11	36	10	8260B		3/30/2020	CJR	1
Toluene	18.9	ug/l	2.6	8.3	10	8260B		3/30/2020	CJR	1
1,2,4-Trimethylbenzene	15.2	ug/l	3	9.6	10	8260B		3/30/2020	CJR	1
1,3,5-Trimethylbenzene	< 3.2	ug/l	3.2	10	10	8260B		3/30/2020	CJR	1
m&p-Xylene	70	ug/l	11	33	10	8260B		3/30/2020	CJR	1
o-Xylene	< 3.8	ug/l	3.8	12	10	8260B		3/30/2020	CJR	1

Lab Code 5037681G
Sample ID MW-106
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		3/31/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		3/31/2020	CJR	1
Naphthalene	< 1.44	ug/l	1.44	4.58	1	GRO95/8021		3/31/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		3/31/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		3/31/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		3/31/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E37681

Lab Code 5037681H
Sample ID MW-107
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.14 "J"	ug/l	0.48	1.54	1	GRO95/8021		3/31/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	1.77 "J"	ug/l	0.71	2.25	1	GRO95/8021		3/31/2020	CJR	1
Naphthalene	1.47 "J"	ug/l	1.44	4.58	1	GRO95/8021		3/31/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		3/31/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		3/31/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		3/31/2020	CJR	1

Lab Code 5037681I
Sample ID MW-108
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		3/31/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		3/31/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		3/31/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		3/31/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		3/31/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		3/31/2020	CJR	1

Lab Code 5037681J
Sample ID MW-109
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		3/31/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		3/31/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		3/31/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		3/31/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		3/31/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		3/31/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E37681

Lab Code 5037681K
Sample ID EP-02
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	26100	ug/l	66	200	200	8260B		3/30/2020	CJR	1
Ethylbenzene	3800	ug/l	64	200	200	8260B		3/30/2020	CJR	1
Methyl tert-butyl ether (MTBE)	330	ug/l	94	300	200	8260B		3/30/2020	CJR	1
Naphthalene	800	ug/l	220	720	200	8260B		3/30/2020	CJR	1
Toluene	700	ug/l	52	166	200	8260B		3/30/2020	CJR	1
1,2,4-Trimethylbenzene	2920	ug/l	60	192	200	8260B		3/30/2020	CJR	1
1,3,5-Trimethylbenzene	540	ug/l	64	200	200	8260B		3/30/2020	CJR	1
m&p-Xylene	8300	ug/l	220	660	200	8260B		3/30/2020	CJR	1
o-Xylene	304	ug/l	76	240	200	8260B		3/30/2020	CJR	1

Lab Code 5037681L
Sample ID EP-05
Sample Matrix Water
Sample Date 3/26/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		3/31/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		3/31/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		3/31/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		3/31/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		3/31/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		3/31/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		3/31/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		3/31/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		3/31/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 07-Jul-20

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38107

Lab Code 5038107A
Sample ID MW-100
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1270	ug/l	6.6	20	20	8260B	7/2/2020	7/2/2020	CJR	1
Ethylbenzene	430	ug/l	6.4	20	20	8260B	7/2/2020	7/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 9.4	ug/l	9.4	30	20	8260B	7/2/2020	7/2/2020	CJR	1
Naphthalene	48 "J"	ug/l	22	72	20	8260B	7/2/2020	7/2/2020	CJR	1
Toluene	74	ug/l	5.2	16.6	20	8260B	7/2/2020	7/2/2020	CJR	1
1,2,4-Trimethylbenzene	15.2 "J"	ug/l	6	19.2	20	8260B	7/2/2020	7/2/2020	CJR	1
1,3,5-Trimethylbenzene	17.6 "J"	ug/l	6.4	20	20	8260B	7/2/2020	7/2/2020	CJR	1
m&p-Xylene	143	ug/l	22	66	20	8260B	7/2/2020	7/2/2020	CJR	1
o-Xylene	16.4 "J"	ug/l	7.6	24	20	8260B	7/2/2020	7/2/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38107

Lab Code 5038107B
Sample ID MW-101
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	7000	ug/l	33	100	100	8260B		7/2/2020	CJR	1
Ethylbenzene	294	ug/l	32	100	100	8260B		7/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	390	ug/l	47	150	100	8260B		7/2/2020	CJR	1
Naphthalene	< 110	ug/l	110	360	100	8260B		7/2/2020	CJR	1
Toluene	125	ug/l	26	83	100	8260B		7/2/2020	CJR	1
1,2,4-Trimethylbenzene	37 "J"	ug/l	30	96	100	8260B		7/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 32	ug/l	32	100	100	8260B		7/2/2020	CJR	1
m&p-Xylene	301 "J"	ug/l	110	330	100	8260B		7/2/2020	CJR	1
o-Xylene	< 38	ug/l	38	120	100	8260B		7/2/2020	CJR	1

Lab Code 5038107C
Sample ID MW-102
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	12000	ug/l	66	200	200	8260B		7/2/2020	CJR	1
Ethylbenzene	1220	ug/l	64	200	200	8260B		7/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	490	ug/l	94	300	200	8260B		7/2/2020	CJR	1
Naphthalene	390 "J"	ug/l	220	720	200	8260B		7/2/2020	CJR	1
Toluene	390	ug/l	52	166	200	8260B		7/2/2020	CJR	1
1,2,4-Trimethylbenzene	1570	ug/l	60	192	200	8260B		7/2/2020	CJR	1
1,3,5-Trimethylbenzene	370	ug/l	64	200	200	8260B		7/2/2020	CJR	1
m&p-Xylene	5200	ug/l	220	660	200	8260B		7/2/2020	CJR	1
o-Xylene	750	ug/l	76	240	200	8260B		7/2/2020	CJR	1

Lab Code 5038107D
Sample ID MW-104
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/6/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/6/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/6/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/6/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/6/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/6/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/6/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/6/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/6/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38107

Lab Code 5038107E
Sample ID MW-103
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	197	ug/l	0.33	1	1	8260B		7/1/2020	CJR	1
Ethylbenzene	114	ug/l	0.32	1	1	8260B		7/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	4.8	ug/l	0.47	1.5	1	8260B		7/1/2020	CJR	1
Naphthalene	27.4	ug/l	1.1	3.6	1	8260B		7/1/2020	CJR	1
Toluene	13.9	ug/l	0.26	0.83	1	8260B		7/1/2020	CJR	1
1,2,4-Trimethylbenzene	6.9	ug/l	0.3	0.96	1	8260B		7/1/2020	CJR	1
1,3,5-Trimethylbenzene	5	ug/l	0.32	1	1	8260B		7/1/2020	CJR	1
m&p-Xylene	59	ug/l	1.1	3.3	1	8260B		7/1/2020	CJR	1
o-Xylene	0.59 "J"	ug/l	0.38	1.2	1	8260B		7/1/2020	CJR	1

Lab Code 5038107F
Sample ID MW-105
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1020	ug/l	6.6	20	20	8260B		7/2/2020	CJR	1
Ethylbenzene	44	ug/l	6.4	20	20	8260B		7/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 9.4	ug/l	9.4	30	20	8260B		7/2/2020	CJR	1
Naphthalene	< 22	ug/l	22	72	20	8260B		7/2/2020	CJR	1
Toluene	19.6	ug/l	5.2	16.6	20	8260B		7/2/2020	CJR	1
1,2,4-Trimethylbenzene	13.8 "J"	ug/l	6	19.2	20	8260B		7/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 6.4	ug/l	6.4	20	20	8260B		7/2/2020	CJR	1
m&p-Xylene	59 "J"	ug/l	22	66	20	8260B		7/2/2020	CJR	1
o-Xylene	< 7.6	ug/l	7.6	24	20	8260B		7/2/2020	CJR	1

Lab Code 5038107G
Sample ID MW-106
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38107

Lab Code 5038107H
Sample ID MW-107
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		7/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	12.5	ug/l	0.47	1.5	1	8260B		7/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2020	CJR	1

Lab Code 5038107I
Sample ID MW-108
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		7/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2020	CJR	1

Lab Code 5038107J
Sample ID MW-109
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		7/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	0.57 "J"	ug/l	0.47	1.5	1	8260B		7/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		7/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/1/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38107

Lab Code 5038107K
Sample ID EP-02
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	18600	ug/l	33	100	100	8260B		7/2/2020	CJR	1
Ethylbenzene	1820	ug/l	32	100	100	8260B		7/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	320	ug/l	47	150	100	8260B		7/2/2020	CJR	1
Naphthalene	580	ug/l	110	360	100	8260B		7/2/2020	CJR	1
Toluene	400	ug/l	26	83	100	8260B		7/2/2020	CJR	1
1,2,4-Trimethylbenzene	2050	ug/l	30	96	100	8260B		7/2/2020	CJR	1
1,3,5-Trimethylbenzene	290	ug/l	32	100	100	8260B		7/2/2020	CJR	1
m&p-Xylene	4400	ug/l	110	330	100	8260B		7/2/2020	CJR	1
o-Xylene	119 "J"	ug/l	38	120	100	8260B		7/2/2020	CJR	1

Lab Code 5038107L
Sample ID EP-05
Sample Matrix Water
Sample Date 6/23/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/6/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/6/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		7/6/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		7/6/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/6/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		7/6/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/6/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/6/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/6/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Environmental Lab, Inc.

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
QUOTE #: _____
Project #: 014-opA-026
Sampler: (signature) Tim Petrich

Project (Name / Location): US Oil MKE South Terminal

Reports To: <u>Tim Petrich</u>	Invoice To: _____
Company: <u>Endpoint Solutions</u>	Company: _____
Address: <u>6871 S. Lovers Lane</u>	Address: <u>Same</u>
City State Zip: <u>Franklin WI</u>	City State Zip: _____
Phone: <u>414 858 1210</u>	Phone: _____
Email: _____	Email: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/FID	
		Date	Time																					
538491A	MW-100	9/16/20	1400	N	3	GW	del																	
B	MW-101		1345																					
C	MW-102		1330																					
D	MW-103		1230																					
E	MW-104		1245																					
F	MW-105		1315																					
G	MW-106		1130																					
H	MW-107		1115																					
I	MW-108		1100																					
J	MW-109		1215																					
K	EP-02		1300																					
L	EP-05		1145																					

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: 6-CLX

Temp. of Temp. Blank: _____ °C On Ice: 6

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Tim Petrich

Time Date 700 9/17/20

Received By: (sign) _____ Time Date _____

Received in Laboratory By: [Signature]

Time: 8:00 AM Date: 9-16-20

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

TIM PETRICK
ENDPOINT SOLUTIONS
6871 SOUTH LOVER'S LANE
FRANKLIN, WI 53132

Report Date 23-Sep-20

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38491

Lab Code 5038491A
Sample ID MW-100
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	770	ug/l	3.3	10	10	8260B		9/23/2020	CJR	1
Ethylbenzene	39	ug/l	3.2	10	10	8260B		9/23/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	8260B		9/23/2020	CJR	1
Naphthalene	11.2 "J"	ug/l	11	36	10	8260B		9/23/2020	CJR	1
Toluene	32	ug/l	2.6	8.3	10	8260B		9/23/2020	CJR	1
1,2,4-Trimethylbenzene	< 3	ug/l	3	9.6	10	8260B		9/23/2020	CJR	1
1,3,5-Trimethylbenzene	< 3.2	ug/l	3.2	10	10	8260B		9/23/2020	CJR	1
m&p-Xylene	20.1 "J"	ug/l	11	33	10	8260B		9/23/2020	CJR	1
o-Xylene	5.4 "J"	ug/l	3.8	12	10	8260B		9/23/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38491

Lab Code 5038491B
Sample ID MW-101
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4400	ug/l	16.5	50	50	8260B		9/23/2020	CJR	1
Ethylbenzene	174	ug/l	16	50	50	8260B		9/23/2020	CJR	1
Methyl tert-butyl ether (MTBE)	238	ug/l	23.5	75	50	8260B		9/23/2020	CJR	1
Naphthalene	< 55	ug/l	55	180	50	8260B		9/23/2020	CJR	1
Toluene	119	ug/l	13	41.5	50	8260B		9/23/2020	CJR	1
1,2,4-Trimethylbenzene	28 "J"	ug/l	15	48	50	8260B		9/23/2020	CJR	1
1,3,5-Trimethylbenzene	< 16	ug/l	16	50	50	8260B		9/23/2020	CJR	1
m&p-Xylene	137 "J"	ug/l	55	165	50	8260B		9/23/2020	CJR	1
o-Xylene	23.5 "J"	ug/l	19	60	50	8260B		9/23/2020	CJR	1

Lab Code 5038491C
Sample ID MW-102
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	8300	ug/l	33	100	100	8260B		9/23/2020	CJR	1
Ethylbenzene	1010	ug/l	32	100	100	8260B		9/23/2020	CJR	1
Methyl tert-butyl ether (MTBE)	273	ug/l	47	150	100	8260B		9/23/2020	CJR	1
Naphthalene	340 "J"	ug/l	110	360	100	8260B		9/23/2020	CJR	1
Toluene	281	ug/l	26	83	100	8260B		9/23/2020	CJR	1
1,2,4-Trimethylbenzene	1320	ug/l	30	96	100	8260B		9/23/2020	CJR	1
1,3,5-Trimethylbenzene	274	ug/l	32	100	100	8260B		9/23/2020	CJR	1
m&p-Xylene	3300	ug/l	110	330	100	8260B		9/23/2020	CJR	1
o-Xylene	260	ug/l	38	120	100	8260B		9/23/2020	CJR	1

Lab Code 5038491D
Sample ID MW-103
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	164	ug/l	0.33	1	1	8260B		9/22/2020	CJR	1
Ethylbenzene	19.9	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	2.91	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	28	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	13.3	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	3.5	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	5.2	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
m&p-Xylene	39	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	0.48 "J"	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38491

Lab Code 5038491E
Sample ID MW-104
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Lab Code 5038491F
Sample ID MW-105
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	530	ug/l	3.3	10	10	8260B		9/23/2020	CJR	1
Ethylbenzene	17.4	ug/l	3.2	10	10	8260B		9/23/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	8260B		9/23/2020	CJR	1
Naphthalene	< 11	ug/l	11	36	10	8260B		9/23/2020	CJR	1
Toluene	14.6	ug/l	2.6	8.3	10	8260B		9/23/2020	CJR	1
1,2,4-Trimethylbenzene	3.9 "J"	ug/l	3	9.6	10	8260B		9/23/2020	CJR	1
1,3,5-Trimethylbenzene	< 3.2	ug/l	3.2	10	10	8260B		9/23/2020	CJR	1
m&p-Xylene	31.4 "J"	ug/l	11	33	10	8260B		9/23/2020	CJR	1
o-Xylene	< 3.8	ug/l	3.8	12	10	8260B		9/23/2020	CJR	1

Lab Code 5038491G
Sample ID MW-106
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38491

Lab Code 5038491H
Sample ID MW-107
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	7.2	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Lab Code 5038491I
Sample ID MW-108
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Lab Code 5038491J
Sample ID MW-109
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33		1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	0.67 "J"	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32		1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

Project Name US OIL MKE SOUTH TERMINAL
Project # 014-002-021

Invoice # E38491

Lab Code 5038491K
Sample ID EP-02
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	13600	ug/l	33	100	100	8260B		9/23/2020	CJR	1
Ethylbenzene	1910	ug/l	32	100	100	8260B		9/23/2020	CJR	1
Methyl tert-butyl ether (MTBE)	218	ug/l	47	150	100	8260B		9/23/2020	CJR	1
Naphthalene	480	ug/l	110	360	100	8260B		9/23/2020	CJR	1
Toluene	410	ug/l	26	83	100	8260B		9/23/2020	CJR	1
1,2,4-Trimethylbenzene	1540	ug/l	30	96	100	8260B		9/23/2020	CJR	1
1,3,5-Trimethylbenzene	211	ug/l	32	100	100	8260B		9/23/2020	CJR	1
m&p-Xylene	3900	ug/l	110	330	100	8260B		9/23/2020	CJR	1
o-Xylene	106 "J"	ug/l	38	120	100	8260B		9/23/2020	CJR	1

Lab Code 5038491L
Sample ID EP-05
Sample Matrix Water
Sample Date 9/16/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/22/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/22/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/22/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/22/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/22/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/22/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/22/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/22/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

APPENDIX D

THE WDNR MANN-WHITNEY U STATISTICAL CONTAMINANT ANALYSIS

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Whitney U Statistical Test
Form 4400-216 (2/2001)**

Notice: This form is the DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. Provide eight (8) consecutive rounds of data for the spreadsheet to work properly. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends. At a 90 percent confidence level, a U statistic of three (3) or less indicates a decreasing trend, and a U statistic of thirteen (13) or more indicates an increasing trend. If the data does not pass either the increasing or decreasing trend test, the No Trend result will be displayed. Use zeros for non-detect data.

Site Name = **US Venture MKE South** BRRTS No. = **02-41-553362** Well Number = **EP-02**

Event	Days After Previous Round	Compound-> Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)
1st Yr, 1st Qtr	- - -	18-Dec-18	20,600.00	1,630.00	400.00	360.00	1,717.00	4,976.00
1st Yr, 2nd Qtr	84	12-Mar-19	17,600.00	1,280.00	316.00	300.00	1,730.00	4,338.00
1st Yr, 3rd Qtr	100	20-Jun-19	23,200.00	2,290.00	430.00	620.00	2,220.00	6,620.00
1st Yr, 4th Qtr	83	11-Sep-19	21,900.00	2,490.00	330.00	560.00	2,210.00	6,474.00
2nd Yr, 1st Qtr	97	17-Dec-19	0.00	0.00	0.00	0.00	0.00	0.00
2nd Yr, 2nd Qtr	100	26-Mar-20	26,100.00	3,800.00	330.00	700.00	3,460.00	8,604.00
2nd Yr, 3rd Qtr	89	23-Jun-20	18,600.00	1,820.00	320.00	400.00	2,340.00	4,519.00
2nd Yr, 4th Qtr	85	16-Sep-20	13,600.00	1,910.00	218.00	410.00	1,751.00	4,006.00

Error Check, Blank If No Errors Detected

DATA FROM QUARTERLY SAMPLING

U Statistic =	5.0	8.0	2.5	8.0	10.0	5.0
Trend ≥ 90 % Confidence Level	No Trend	No Trend	DECREASING	No Trend	No Trend	No Trend

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Whitney U Statistical Test
Form 4400-216 (2/2001)**

Notice: This form is the DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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Site Name = **US Venture MKE South Load Rack** BRRTS No. = **03-41-558241** Well Number = **MW-100**

Event	Days After Previous Round	Compound-> Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Ethylbenzne Concentration (leave blank if no data)	Naphthalene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1st Yr, 1st Qtr	- - -	18-Dec-18	990.00	36.00	0.00	26.40		
1st Yr, 2nd Qtr	84	12-Mar-19	930.00	90.00	0.00	19.40		
1st Yr, 3rd Qtr	100	20-Jun-19	990.00	360.00	31.30	139.60		
1st Yr, 4th Qtr	83	11-Sep-19	980.00	67.00	0.00	19.20		
2nd Yr, 1st Qtr	97	17-Dec-19	1,080.00	293.00	57.00	168.30		
2nd Yr, 2nd Qtr	100	26-Mar-20	1,240.00	232.00	29.20	80.20		
2nd Yr, 3rd Qtr	89	23-Jun-20	1,270.00	430.00	48.00	159.40		
2nd Yr, 4th Qtr	85	16-Sep-20	770.00	39.00	11.20	25.50		

Error Check, Blank If No Errors Detected n<8 n<8

DATA FROM QUARTERLY SAMPLING

U Statistic =	12.0	11.0	14.0	13.0	n<8	n<8
Trend ≥ 90 % Confidence Level	No Trend	No Trend	INCREASING	INCREASING	n<8	n<8

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Whitney U Statistical Test
Form 4400-216 (2/2001)**

Notice: This form is the DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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Site Name = **US Venture MKE South Load Rack** BRRTS No. = **03-41-558241** Well Number = **MW-101**

Event	Days After Previous Round	Compound-> Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Ethylbenzne Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)
1st Yr, 1st Qtr	- - -	18-Dec-18	6,000.00	241.00	420.00	156.00	124.40	472.00
1st Yr, 2nd Qtr	84	12-Mar-19	0.00	0.00	0.00	0.00	0.00	0.00
1st Yr, 3rd Qtr	100	20-Jun-19	6,500.00	300.00	390.00	145.00	69.00	349.00
1st Yr, 4th Qtr	83	11-Sep-19	5,900.00	211.00	330.00	129.00	42.00	271.00
2nd Yr, 1st Qtr	97	17-Dec-19	6,500.00	185.00	340.00	129.00	107.00	359.00
2nd Yr, 2nd Qtr	100	26-Mar-20	6,800.00	234.00	350.00	148.00	66.50	370.00
2nd Yr, 3rd Qtr	89	23-Jun-20	7,000.00	294.00	390.00	125.00	37.00	301.00
2nd Yr, 4th Qtr	85	16-Sep-20	4,400.00	174.00	238.00	119.00	28.00	160.50

Error Check, Blank If No Errors Detected

DATA FROM QUARTERLY SAMPLING

U Statistic =	12.5	7.0	7.5	6.5	7.0	9.0
Trend ≥ 90 % Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Whitney U Statistical Test
Form 4400-216 (2/2001)**

Notice: This form is the DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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Site Name = **US Venture MKE South** **Load Rack** BRRTS No. = **03-41-558241** Well Number = **MW-102**

Event	Days After Previous Round	Compound-> Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Ethylbenzne Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)
1st Yr, 1st Qtr	- - -	18-Dec-18	0.00	0.00	0.00	0.00	0.00	0.00
1st Yr, 2nd Qtr	84	12-Mar-19	0.00	0.00	0.00	0.00	0.00	0.00
1st Yr, 3rd Qtr	100	20-Jun-19	13,100.00	1,350.00	460.00	600.00	1,990.00	6,130.00
1st Yr, 4th Qtr	83	11-Sep-19	12,300.00	1,530.00	450.00	570.00	2,780.00	5,830.00
2nd Yr, 1st Qtr	97	17-Dec-19	13,300.00	1,360.00	340.00	500.00	3,190.00	5,470.00
2nd Yr, 2nd Qtr	100	26-Mar-20	12,700.00	1,530.00	360.00	480.00	3,100.00	6,460.00
2nd Yr, 3rd Qtr	89	23-Jun-20	12,000.00	1,220.00	490.00	390.00	1,940.00	5,950.00
2nd Yr, 4th Qtr	85	16-Sep-20	8,300.00	1,010.00	273.00	281.00	1,594.00	590.00

Error Check, Blank If No Errors Detected

DATA FROM QUARTERLY SAMPLING

U Statistic =	11.0	10.5	10.0	8.0	12.0	11.0
Trend ≥ 90 % Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

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Form 4400-216 (2/2001)**

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Site Name = **US Venture MKE South Load Rack** BRRTS No. = **03-41-558241** Well Number = **MW-103**

Event	Days After Previous Round	Compound-> Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)	Naphthalene Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1st Yr, 1st Qtr	- - -	18-Dec-18	39.00	31.20	10.40	3.90		
1st Yr, 2nd Qtr	84	12-Mar-19	10.00	5.30	0.00	0.00		
1st Yr, 3rd Qtr	100	20-Jun-19	124.00	49.00	7.70	4.90		
1st Yr, 4th Qtr	83	11-Sep-19	77.00	4.10	8.30	1.80		
2nd Yr, 1st Qtr	97	17-Dec-19	38.00	17.70	9.00	3.07		
2nd Yr, 2nd Qtr	100	26-Mar-20	221.00	215.00	0.00	41.00		
2nd Yr, 3rd Qtr	89	23-Jun-20	197.00	114.00	4.80	27.00		
2nd Yr, 4th Qtr	85	16-Sep-20	164.00	19.90	2.91	28.00		

Error Check, Blank If No Errors Detected n<8 n<8

DATA FROM QUARTERLY SAMPLING

U Statistic = 13.0 12.0 5.5 14.0 n<8 n<8
Trend ≥ 90 % Confidence Level **INCREASING** **No Trend** **No Trend** **INCREASING** n<8 n<8

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Whitney U Statistical Test
Form 4400-216 (2/2001)**

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Site Name = **US Venture MKE South Load Rack** BRRTS No. = **03-41-558241** Well Number = **MW-105**

Event	Days After Previous Round	Compound->	Benzene		Naphthalene		Concentration (leave blank if no data)	Concentration (leave blank if no data)
		Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)		
1st Yr, 1st Qtr	- - -	18-Dec-18	1,140.00		17.00			
1st Yr, 2nd Qtr	84	12-Mar-19	0.00		0.00			
1st Yr, 3rd Qtr	100	20-Jun-19	850.00		13.40			
1st Yr, 4th Qtr	83	11-Sep-19	490.00		0.00			
2nd Yr, 1st Qtr	97	17-Dec-19	1,110.00		0.00			
2nd Yr, 2nd Qtr	100	26-Mar-20	690.00		19.70			
2nd Yr, 3rd Qtr	89	23-Jun-20	1,020.00		0.00			
2nd Yr, 4th Qtr	85	16-Sep-20	530.00		0.00			

Error Check, Blank If No Errors Detected n<8 n<8 n<8 n<8

DATA FROM QUARTERLY SAMPLING

U Statistic = 10.0 n<8 7.0 n<8 n<8 n<8

Trend ≥ 90 % Confidence Level **No Trend** n<8 **No Trend** n<8 n<8 n<8

Data Entry By **TCP** Date = **22-Mar-21** Checked By =

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