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Engineers • Consultants • Inspectors

September 26, 2016

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313

RE: VPLE SITE INVESTIGATION UPDATE AND CONSTRUCTION DOCUMENTATION REPORT
VPLE-06-05-576806 for the Former One Hour Martinizing (BRRTS No. 02-05-217276)
Green Bay, Wisconsin
GEC Project Number: 2-0615-231

Dear Ms DuFresne:

General Engineering Company has completed this Voluntary Party Liability Exemption (VPLE) Site Investigation Update and Construction Documentation Report for Lot 3 of Parcel 21-1323-1, located at 1923 Main Street, in the City of Green Bay, Wisconsin. Please feel free to contact General Engineering with any questions you may have.

Sincerely yours,

GENERAL ENGINEERING COMPANY

A handwritten signature in black ink that reads "Brian Youngwirth" with a circled "e" at the end.

Brian Youngwirth
Environmental Project Manager

A handwritten signature in black ink that reads "Lynn Bradley" in a cursive style.

Lynn Bradley
Environmental Project Manager



Engineers • Consultants • Inspectors

VPLE SITE INVESTIGATION UPDATE AND CONSTRUCTION DOCUMENTATION REPORT

For

FORMER ONE HOUR MARTINIZING

Located at

**1923 Main Street
Lot 3 of Parcel 21-1323-1
City of Green Bay, Brown County, Wisconsin**

September 26, 2016

Prepared by:

**GENERAL ENGINEERING COMPANY
LLC**

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Phone: (608) 742-2169
GEC Project No.: 2-1114-295A

Client:

GB Real Estate Investments,

c/o Garritt Bader
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1.0 EXECUTIVE SUMMARY

General Engineering Company previously performed a Phase I ESA, dated August 17, 2015 on Lots 1,2, and 3 of the property located at 1923 Main Street as part of a potential property transaction. General Engineering Company's report identified two recognized environmental conditions (RECs) in connection with Lots 1, 2 and 3. Specifically, soil and groundwater contamination associated with the former One-Hour Martinizing dry cleaner facility located at 1923 Main Street (Lot 3), which operated from approximately 1979 through 2008 has been documented on the southwestern portion of Lot 3. Rice Management, Inc. is the responsible party for the Environmental Repair Program (ERP) case and the consultant for the case is Fehr Graham Engineering & Environmental. In addition to the One-Hour Martinizing site, the west/northwestern portion of the Phase I property, with a former address of 1915 Main Street (Lot 1), appeared to be a former service garage/repair facility from the 1950s through the early 1970s based on a review of city directories and aerial photographs.

Based on the findings, General Engineering Company recommended that a Phase II ESA be performed to evaluate soil and groundwater conditions. Seventeen (17) soil borings (B-1 to B-5, B-5A, B-5B, and B-6 to B-15), 5 of which were converted to temporary monitoring wells (TW-1 to TW-5), were advanced on September 22 and 23, 2015 to depths of approximately 10 to 20 feet below ground surface. The borings were performed primarily on Lots 1 and 2 with plans to further investigate Lot 3 as part of a planned Voluntary Party Liability Exemption (VPLE) investigation. Lots 1 and 2 were not part of the planned VPLE investigation and the results of the testing on those properties was previously provided to the Wisconsin Department of Natural Resources (WDNR) within a Limited Phase II Environmental Site Assessment Report, dated October 20, 2015. Soil and groundwater samples collected from the borings performed on Lot 3 (B-14/TW-4 and B-15/TW-5), were submitted for laboratory analysis for the presence of volatile organic compounds (VOCs). The soil samples collected at depths of 2 to 4 feet and groundwater samples collected from those locations did not contain VOCs. The groundwater samples collected from TW-4 and TW-5 on April 21, 2016 either did not contain VOCs or did not contained them at levels exceeding their respective laboratory adjusted reporting limits.

As a result of the ERP case on Lot 3 of Parcel 21-1323-1 and the planned purchase of the property by GB Real Estate Investments, LLC, a request to enter the property into the VPLE program was made to the WDNR, which was approved in a letter dated March 20, 2016.

The WDNR approved scope of the VPLE site investigation activities (which were performed in conjunction with a geotechnical exploration for a planned structure) included the advancement of 15 soil borings (VP-1 to VP-15), 5 of which were converted to monitoring wells, collection of soil samples and one round of groundwater samples from previously existing wells MW-1, MW-3, MW-4, MW-7, MW-8, TW-4, TW-5 and newly installed wells MW-10 to MW-14. Soil and groundwater samples were submitted for laboratory analysis for the presence of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), RCRA metals, copper, nickel, and zinc.

With regard to the chlorinated solvent contamination associated with the Former One Hour Martinizing, VOCs were detected within soil samples collected from VP-13 and VP-14. The highest levels were detected in the sample collected from VP-14 at a depth of 6 to 8 feet, which contained tetrachloroethene (7,700 µg/kg) and trichloroethene (850 µg/kg). No VOCs were detected within the samples collected from the other boring locations performed for this investigation. VOCs were detected within the groundwater samples collected from monitoring wells MW-1, MW-3, MW-4, and MW-7 at levels similar to those previously observed during the on-going investigative activities. VOCs were not detected within the other monitoring wells sampled as part of this investigation (MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5).

With regard to the other testing (PAHs/metals) performed as part of this investigation, PAHs were not detected above the laboratory limit of detection within any of the soil samples performed as part of this investigation. However, groundwater samples collected from MW-4, MW-7, and TW-4 contained PAHs at levels exceeding their respective NR 140 ES. The sample collected from MW-4 contained benzo(a)pyrene (17.2 µg/l), benzo(b)fluoranthene (33 µg/l), and chrysene (18.2 µg/l), which exceed each

compound's respective NR 140 ES of 0.2 µg/l. The samples collected from MW-7 and TW-4 contained benzo(b)fluoranthene and/or chrysene at levels just above their NR 140 ES of 0.2 µg/l. The samples collected at the remaining locations contained similar levels of the above-mentioned compounds at levels generally exceeding their respective NR 140 PAL.

The soil samples collected for laboratory analysis for the presence of RCRA metals, copper, nickel, and zinc contained arsenic, zinc, and/or selenium at levels exceeding their respective soil to groundwater RCLS and/or direct contact levels, however they were detected at relatively similar levels below their WDNR established background levels and were considered to be naturally occurring background levels. In addition, the groundwater samples collected did not contain the tested metals at levels exceeding their respective NR 140 PALs. A VPLE Site Investigation Report, dated May 6, 2016 was submitted to the WDNR.

Based on the results, the WDNR requested further evaluation of the PAHs detected within the collected groundwater samples. Additionally, since GB Real Estate Investments, LLC purchased Lots 3 during 2016 and commenced construction of the planned development, the WDNR requested construction documentation of the performed activities.

As directed by the WDNR, groundwater samples were collected from monitoring wells MW-4 and off-site monitoring well MW-5 on May 11, 2016. Groundwater samples were collected from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5 on June 7, 2016. Groundwater samples were collected from monitoring wells MW-4 and MW-5 on June 21, 2016. The samples were submitted for laboratory analysis for the presence of PAHs. The groundwater samples collected from MW-4 on May 11, 2016 contained benzo(a)pyrene (0.289 µg/l), benzo(b)fluoranthene (0.63 µg/l), and chrysene (0.32 µg/l), which exceed each compound's respective NR 140 ES of 0.2 µg/l. The sample collected from MW-5 on May 11, 2016 contained benzo(b)fluoranthene at a concentration of 0.218, which exceeds its NR 140 ES of 0.2 µg/l. The samples contained slight sediment. The samples collected from MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5 on June 7, 2016 and from monitoring wells MW-4 and MW-5 on June 21, 2016 either did not contain PAHs or contained them at low levels at concentrations below their respective NR 140 ES. The samples were sediment free.

An approximate 5,000 square foot structure was constructed within the northeast portion of the property by Immel Construction during 2016. The building consisted of a slab on grade structure with no basement. A vapor mitigation system and two sampling vapor ports were installed beneath the concrete slab of the structure. Sub-slab vapor samples were collected from VP-1 and VP-2 on September 2, 2016. The samples were submitted for laboratory analysis for the presence of VOCs by the TO-15 method. Several VOCs were detected within the collected air samples at levels below their respective small commercial sub-slab vapor risk screening levels, with the exception of ethylbenzene at VP-1, which was detected at a level of 4420 micrograms per cubic meter exceeding its risk screening level of 1600 micrograms per cubic meter. However, several other VOCs (such as acetone, methyl ethyl ketone, tetrahydrofuran, and styrene) were detected at elevated levels within the collected samples. According to the laboratory these compounds are commonly used within plumbing glues or building insulation materials and are commonly observed subsequent to new construction. Therefore, it is not planned to activate the system unless otherwise directed by the WDNR.

Asphalt from the former parking lot on the site was pulverized on site and reused as base course beneath the new parking areas along the southern and western portions of the site. The most highly affected soils and groundwater (near MW-3) are now located beneath an impermeable asphalt cap. The former concrete slab and foundation were removed from the site and transported to Tordour Quarry. Since no VOCs, PAHs, or metals were detected, or were detected at levels below their NR 720 soil standards or background levels, within the previous VPLE investigation borings performed near the planned corners of the proposed building, soils removed during footing excavations were utilized as fill on site or were incorporated into the berm area on the north end of the site.

With regard to elevations changes at the site, site grades were generally raised from less than a foot to about 2 feet with the exception of the bermed areas on the north end of the site, which were raised approximately 4 to 5 feet. The only undercutting performed at the site was performed within the water detention basin and drainage swale area in the eastern/southeastern portions of the site where the grade was lowered by up to about 3 to 4 feet. No soil contamination was detected within the soil samples collected in that area of the site and the removed soils were also incorporated into the bermed area.

All of the existing monitoring wells at the site (with the exception of MW-2 in the right of way) were extended to the new grade by General Engineering Company to accommodate the changed grades. The wells were extended with a two inch PVC coupling and additional two inch schedule 40 riser pipe. In addition, upon authorization from the WDNR, monitoring wells MW-10, MW-11, MW-13, and MW-14 were properly abandoned by General Engineering Company on July 21, 2016.

Soils imported to the site consisted of clear stone gravel and crushed gravel beneath the floor slab and parking areas along with topsoil within the landscaped areas. Samples of the gravel materials were not collected for laboratory analysis since they consisted of stone or crushed stone from Daanen & Janssen Scray's Hill Quarry. Approximately 30 loads of topsoil were imported to the subject site from a residential project occurring east of the intersection of North Huron Road and Indigo Bluff Terrace in Green Bay, Wisconsin. The topsoil was placed in landscaped areas to thicknesses of about 4 inches. Three topsoil samples were collected and submitted for laboratory analysis for the presence of RCRA metals and VOCs. Soils samples collected from the imported topsoil did not contain VOCs and did not contain metals at levels exceeding their respective NR 720 soil standards or background levels.

The majority of new utility installations were performed on the southeastern portion of the subject property where no soil or groundwater contamination has been documented or were performed beyond the areas of known soil contamination. Therefore, soils excavated during the utility excavations were reused as backfill or were incorporated into the bermed areas on the northern portion of the site. A groundwater sample was collected from an open utility excavation (W-1) located in the southwestern portion of the subject site on June 20, 2016. The sample was collected as a result of the excavation contractor (DeNoble Excavating) breaking an existing water line during replacement of a storm water manhole and storm water inlet tie-in. The sample was collected from the groundwater present on the bottom of the excavation at a depth of about 7 feet and was collected for the purpose of evaluating groundwater quality within the utility trench. The clear stone around the piping was replaced subsequent to completing the water line repair and storm water manhole replacement. The sample was submitted for laboratory analysis for the presence of VOCs. The sample did not contain VOCs.

Based on conversations with the WDNR, it is understood that that no further sampling is being required with regard to the low levels of PAHs detected within the groundwater monitoring wells on Lot 3. Therefore, it appears the VPLE site investigation activities have been completed. In addition, the requested construction documentation has been completed. Therefore, General Engineering is requesting review of the information and a VPLE Certificate of Completion pending case closure of the Former One Hour Martinizing case and the concurrence of the WDNR.

2.0 INTRODUCTION

2.1 General

This report presents the findings and conclusions of the additional VPLE site investigation activities performed on Lot 3 of parcel 21-1323-1 since the submittal of the VPLE Site Investigation Report, dated May 6, 2016. This report also presents documentation of the construction activities performed on the site. Approval to proceed in the VPLE process was in the form of correspondence from the Wisconsin Department of Natural Resources (WDNR), dated March 10, 2016. The VPLE process is being pursued due to a known on-going chlorinated solvent investigation on the southwestern portion of Lot 3 (Former One Hour Martinizing-BRRTs No. 02-05-217276).

Site Name and Location: Former One Hour Martinizing
1923 Main Street
Green Bay, Wisconsin
Northwest ¼ of the Southeast ¼ of Section 5, Township 23 North, Range 21 East
Brown County, Wisconsin
WTM Coordinates: X=680951, Y=448626

Site Operations: The property has been developed with an approximate 5,000 square foot structure that will be occupied by Familia Dental. Further improvements to the site include asphalt pavement on the southern and western portions of the building and landscaping (berm, drainage swale, and water detention area) on the northern and eastern portions of the site.

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2.2 Purpose

The purpose of the work was to further evaluate the presence of low levels of polycyclic aromatic hydrocarbons identified within the groundwater samples collected during the prior VPLE Site Investigation. The purpose of the work was also to present documentation of the construction activities completed on the site and the results of any other site investigation activities completed as a result of the construction.

2.3 Scope of Work

The scope of the site investigation activities included collection of additional groundwater samples from groundwater monitoring wells selected by the WDNR, which were submitted for laboratory analysis for the presence of PAHs; the collection of a groundwater sample from a utility excavation on the southeastern portion of the site, which was submitted for laboratory analysis for the presence of VOCs; the collection of soil samples from imported topsoil, which were submitted for laboratory analysis for the presence of VOCs and RCRA metals; documentation of the installation of a vapor mitigation system and two sub-slab vapor monitoring ports within the newly constructed building; collection of sub-slab vapor samples from the monitoring ports; documentation of changes to site conditions (elevation, surface covering, utilities); the raising of the elevation of monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-12, PZ-1, TW-4, and TW-5 to accommodate the raised elevations on the property; monitoring well abandonment of MW-10, MW-11, MW-13, and MW-14; and preparation of this report.

3.0 SITE DESCRIPTION

3.1 Site Features

The Subject Property consists of an approximate 1.07-acre parcel (Lot 3 of Parcel 21-1323-1) with a site address of 1923 Main Street, located southeast of the intersection of Lime Kiln Road and Main Street (STH 141) in the City of Green Bay, Brown County, Wisconsin. Specifically, the site is located within the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of Section 5, Township 23 North, Range 21 East, Brown County, Wisconsin. The Subject Property is located approximately 1 mile east of the East River, 2 miles east of the Fox River and 2 miles south of Green Bay. A copy of the Site Location Map is included in Figure 1, Appendix A.

The property is located in an area developed with commercial and residential properties within the eastern portion of City of Green Bay. Since completion of the VPLE site investigation, an approximate 5,000 square foot slab on grade structure has been constructed on the northeastern portion of the property. The ground surface surrounding the structure consists of asphalt pavement on the southern and western portions of the building and landscaped areas consisting of a berm, drainage swale, and water detention basin on the northern and eastern portions of the property. The property is connected to the City of Green Bay municipal sewer and water system. A site plan is included within Figure 2, Appendix A.

3.2 Back ground

A Phase I Environmental Site Assessment, dated August 17, 2015, was performed by General Engineering Company on Lots 1, 2, and 3 as part of the potential property transaction. The report has been previously submitted to the WDNR. General Engineering Company's report identified two recognized environmental conditions (RECs) in connection with Lots 1, 2 and 3. Specifically, soil and groundwater contamination associated with the former One-Hour Martinizing dry cleaner facility located at 1923 Main Street (Lot 3), which operated from approximately 1979 through 2008 has been documented on the southwestern portion of Lot 3. In addition to the One-Hour Martinizing site, the west/northwestern portion of the Phase I property, with a former address of 1915 Main Street (Lot 1), appeared to be a former service garage/repair facility from the 1950s through the early 1970s based on a review of city directories and aerial photographs.

Based on the findings, General Engineering Company recommended that a Phase II ESA be performed to evaluate soil and groundwater conditions. Due to the known contamination, General Engineering also recommended that a vapor mitigation system be considered for planned structures (on Lots 1, 2, and 3) pending the results of the testing and actual locations of the planned buildings. Lots 1 and 2 are not included in the request for the VPLE.

Seventeen (17) soil borings (B-1 to B-5, B-5A, B-5B, and B-6 to B-15), 5 of which were converted to temporary monitoring wells (TW-1 to TW-5), were advanced on September 22 and 23, 2015 to depths of approximately 10 to 20 feet below ground surface. The borings were performed primarily on Lots 1 and 2 with plans to further investigate Lot 3 as part of a planned VPLE investigation. With regard to the soil borings performed on Lot 3 (B-14/TW-4 and B-15/TW-5), select soil samples were collected from each boring and analyzed for the presence of VOCs. The soil samples collected at depths of 2 to 4 feet did not contain VOCs. In addition, groundwater samples collected from those locations did not contain VOCs. A Limited Phase II ESA Report, dated October 20, 2015 was previously submitted to the WDNR.

Based on the site investigation/remedial testing and the results of testing at B-14/TW-4 and B-15/TW-5, it appeared that the horizontal extent of chlorinated soil and groundwater contamination associated with the former One Hour Martinizing case had generally been defined with the exception of a number of utility corridors near the source of contamination. It is understood that the current consultant (Fehr Graham) is assessing the utility corridors as potential conduits for groundwater and vapor contamination at the direction of the WDNR. An off-site liability clarification letter was issued by the WDNR to GB Real Estate Investments on December 15, 2015 regarding potential future impacts to Lots 1 and 2 from Lot 3 along with a No Action Required Determination for low levels of petroleum contamination detected within soil and groundwater samples on Lot 1.

Although no other RECs were identified on Lot 3 during the previous Phase I ESA, possible fill soils were identified within the upper approximately 5 feet of soil on or near Lot 3 during the performed soil borings. The WDNR indicated the fill on Lot 3 must be evaluated as part of the investigation activities for the planned VPLE investigation.

A VPLE Site Investigation Work Plan, dated March 21, 2016 was submitted to the WDNR. The Work Plan was approved by the WDNR in a letter dated April 13, 2016. Soil borings VP-1 to VP-15 were advanced on Lot 3 on April 20 and 21, 2016. Collected samples at each location were screened in the field with a Minirae photoionization detector (PID). Soil samples collected from the borings were submitted for laboratory analysis of the presence of VOCs, PAHs, RCRA metals, copper, nickel, and zinc. Soil borings VP-4, VP-5, VP-8, VP-9, and VP-11 were converted to monitoring wells MW-10 to MW-14, respectively. Monitoring wells MW-10 to MW-14 were developed on April 20 and 21, 2016. The general location of the soil borings/monitoring wells are shown on Figure 3, Appendix A.

The surface at the boring locations consisted of a concrete block wall (VP-1), asphalt (VP-2, VP-4, VP-5, VP-7, VP-8, VP-9, VP-10, VP-11, and VP-13), a concrete building slab at VP-3, VP-6, VP-14, and VP-15, and base course at VP-12. The surface materials were underlain by fill or possible fill soils consisting of primarily base course underlain by silty sand with a few of the locations containing sandy silt or sand to depths of approximately 1 to 4 feet below ground surface. The fill and possible fill was underlain by natural soil generally consisting of light brown and brown sandy silt or silty sand to depths of 8 to 9 feet below ground surface. The silty sand and sandy silt were generally underlain by reddish brown and brown silty clay to the termination depths of the borings at 10 to 15 feet below ground surface. Groundwater was encountered within the borings at depths of about 2 to 3 feet. No unusual staining or odors were observed within any of the collected samples. No debris was observed within any of the fill or possible fill soils.

With regard to the soil samples submitted for the presence of VOCs, the samples collected from the southwestern portion of the site (VP-13 and VP-14) contained VOCs at levels exceeding their respective standards. VP-13 and VP-14 were performed within the approximate area of the plume of known chlorinated solvent contamination. Specifically, the sample collected from VP-13 at a depth of 6 to 8 feet contained cis 1,2 Dichloroethene (75 µg/kg), which exceeds its NR 720 soil to groundwater RCL of 41.2 µg/kg. The samples collected from VP-14, beneath the southwest portion of the building slab (beyond the former remedial excavation limits), contained tetrachloroethene (660 µg/kg at a depth of 2 to 4 feet and 7,700 µg/kg at a depth of 6 to 8 feet) and trichloroethene (850 µg/kg at a depth of 6 to 8 feet). These levels exceed each compound's respective NR 720 soil to groundwater RCLs of 4.5 µg/kg (tetrachloroethene) and 3.6 µg/kg (trichloroethene). None of the other collected samples contained VOCs.

With regard to the samples submitted for laboratory analysis of metals, arsenic, nickel, and selenium were detected at levels exceeding their current standards. Specifically, arsenic was detected at levels ranging from 0.882J mg/kg to 4.89 mg/kg, which exceeds its NR 720 direct contact level and soil to groundwater RCLs of 0.613 mg/kg and 0.584 mg/kg, respectively. The levels detected were at similar concentrations and were below the WDNR background level of 8 mg/kg. The concentrations are considered to be naturally occurring concentrations.

Nickel was detected at levels ranging from 2.61 mg/kg to 32.5 mg/kg. The levels detected at VP-1 at a depth of 13 to 15 feet (27.4 mg/kg); VP-8 at a depth of 8 to 10 feet (17.8 mg/kg); VP-11 at a depth of 6 to 8 feet (19.4 mg/kg); and VP-13 at a depth of 6 to 8 feet (32.5 mg/kg) exceed its soil to groundwater RCL of 13 mg/kg. However, the levels were detected at similar concentrations near or below its WDNR background level of 31 mg/kg and the concentrations are considered to be naturally occurring.

Selenium was detected within the sample collected from VP-14 at a depth of 2 to 14 feet (1.07J mg/kg), which exceeds its soil to groundwater RCL of 0.5 mg/kg. Based on the J in the laboratory report, the concentration is estimated by the laboratory. In addition, none of the collected groundwater samples contained selenium levels exceeding its NR 140 preventive action limit. The detection is not considered to be associated with a release.

None of the other soil samples tested for metals contained concentrations exceeding their current standards and their detections are considered to be naturally occurring background levels. In addition, none of the soil samples collected contained PAHs above the laboratory limit of detection. Soil sampling results are summarized on Table 1, Appendix B.

Groundwater samples were collected from existing wells MW-1, MW-3, MW-4, MW-7, MW-8, TW-4, TW-5 and newly installed wells MW-10 to MW-14 on April 20 and 21, 2016. The samples were submitted for laboratory analysis for the presence of VOCs, PAHs, RCRA metals, and copper nickel, and zinc.

The groundwater samples collected from MW-3 contained tetrachloroethene (760 µg/l), trichloroethene (197 µg/l), and vinyl chloride (0.40J µg/l), which exceeds each compound's respective NR 140 ES of 5 µg/l, 5 µg/l, and 0.2 µg/l. The samples collected from MW-1 and MW-7 contained tetrachloroethene at levels of 7.6 µg/l and 143 µg/l, respectively. The sample collected from MW-4 contained tetrachloroethene at a level of 0.89J µg/l, which exceeds its NR 140 PAL. None of the other collected groundwater samples contained VOCs.

With regard to PAH testing, the samples collected from MW-4, MW-7, and TW-4 contained PAHs at levels exceeding their respective NR 140 ES. The sample collected from MW-4 contained benzo(a)pyrene (17.2 µg/l), benzo(b)fluoranthene (33 µg/l), and chrysene (18.2 µg/l), which exceed each compound's respective NR 140 ES of 0.2 µg/l. The samples collected from MW-7 and TW-4 contained benzo(b)fluoranthene and/or chrysene at levels just above their NR 140 ES of 0.2 µg/l. The samples collected at the remaining locations contained similar levels of the above-mentioned compounds at levels generally exceeding their respective NR 140 PAL. It should be noted that the groundwater samples collected from MW-4, MW-7, and TW-4 contained moderate sediment at the time of sampling.

None of the groundwater samples collected and submitted for laboratory analysis of metals contained levels exceeding each compound's respective NR 140 PAL. Groundwater analytical results are summarized on Table 2, Appendix B and the groundwater elevations are shown on Table 3, Appendix B.

Based on the results, the WDNR requested further evaluation of the PAHs detected within the collected groundwater samples. The results of the additional groundwater testing and documentation of the construction activities are discussed herein.

4.0 ADDITIONAL SITE INVESTIGATION AND DOCUMENTATION ACTIVITIES

4.1 Scope Summary

The scope of the additional groundwater monitoring activities were generally directed by the WDNR and included the performance of one to three additional sampling rounds from selected monitoring wells and submittal of the samples for laboratory analysis of PAHs. In addition, the scope of performed services included the collection of a groundwater sample from a utility excavation on the southeastern portion of the site, which was submitted for laboratory analysis for the presence of VOCs; the collection of soil samples from imported topsoil, which were submitted for laboratory analysis for the presence VOCs and RCRA metals; documentation of the installation of a vapor mitigation system and two sub-slab vapor monitoring ports within the newly constructed building; collection of sub-slab air samples from the two vapor monitoring ports; documentation of changes to site conditions (elevation, surface covering, utilities); the raising of the elevation of monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-12, PZ-1, TW-4, and TW-5 to accommodate the raised elevations on the property; and monitoring well abandonment of MW-10, MW-11, MW-13, and MW-14.

4.2 Soil, Groundwater, and Sub-Slab Vapor Sample Collection and Preparation

The soil samples submitted for laboratory analysis for the presence of VOC were extracted from the soils utilizing a sterile syringe and approximately 10 to 12 grams of soil were transferred into a clean, laboratory prepared jar with approximately 10 milliliters of methanol. The samples submitted for laboratory analysis of metals were placed into laboratory prepared 4 oz. plastic cups until no headspace remained within the container. The samples were placed on ice, and Chain-of-Custody procedures were initiated. The samples were then submitted to Synergy Laboratory of Appleton, Wisconsin, for laboratory analysis.

Groundwater samples submitted for VOC analysis were transferred into a laboratory prepared 40-milliliter vials containing Hydrochloric Acid preservative. Samples submitted for PAH analysis were transferred into a laboratory prepared 250-milliliter amber bottles. The sample containers were placed on ice and standard chain-of-custody procedures were initiated. The groundwater samples were submitted to Synergy Environmental Lab in Appleton, Wisconsin.

Subslab vapor ports were installed by drilling a 1.5-inch hole in the concrete floor to approximately 2 inches, followed by a 5/8-inch hole through the remainder of the concrete. General Engineering then utilizes the Cox-Colvin Vapor Kit to place the vapor points. A rubber vapor pin sleeve is placed over a stainless steel pin, which is hammered into the hole and creates a seal. The 1.5-inch hole that is drilled to place the cover is also used as a dam to ensure there are no leaks and a proper seal is in place. The plastic hose for the Suma Canister is then placed over the pin for a sealed sample. The vapor samples were collected over the period of one hour and submitted for laboratory analysis for the presence of VOCs.

5.0 GROUNDWATER, SOIL, AND SUB-SLAB VAPOR SAMPLING ACTIVITIES

5.1 Groundwater Sampling

Groundwater samples were collected from monitoring wells MW-4 and off-site monitoring well MW-5 on May 11, 2016. Groundwater samples were collected from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5 on June 7, 2016. Groundwater samples were collected from monitoring wells MW-4 and MW-5 on June 21, 2016. The samples were purged with a bailer and were sediment free during the two most recent sampling rounds performed. The samples were submitted for laboratory analysis for the presence of PAHs.

A groundwater sample was collected from an open utility excavation (W-1) located in the southwestern portion of the subject site on June 20, 2016. The sample was collected as a result of the excavation contractor (DeNoble Excavating) breaking an existing water line during replacement of a storm water manhole and storm water inlet tie-in. The sample was collected from the bottom of the excavation at a depth of about 7 feet and was collected for the purpose of evaluating groundwater quality within the utility trench. The clear stone around the piping was replaced subsequent to completing the water line repair and storm water manhole replacement. The sample was submitted for laboratory analysis for the presence of VOCs.

5.2 Soil Sampling

Three soil samples (SS-1 to SS-3) were collected on August 16, 2016 from imported topsoil placed on the subject property within the landscaped areas and water detention area. According to Dave Dellise of Dtame Sand & Gravel, approximately 30 loads of topsoil were imported from a residential project occurring east of the intersection of North Huron Road and Indigo Bluff Terrace in Green Bay, Wisconsin. The samples were submitted for laboratory analysis for the presence of VOCs and RCRA metals. No other soil was imported during the construction activities with the exception of crushed gravel or clear stone aggregate from Daanen & Janssen's Scrays Hill Quarry.

5.3 Sub-Slab Vapor Sampling

On September 2, 2016, two sub-slab vapor ports were installed in the floor of the building. The ports (VP-1 and VP-2) were installed within the northeastern and southwestern portions of the building, respectively. The locations of the vapor ports are shown on Figure 3, Appendix A.

Vapor samples were collected on September 2, 2016 using summa canisters. Samples were collected over a period of one hour and were analyzed for VOCs. Standard chain-of-custody procedures were initiated and the vapor samples were submitted to Synergy Environmental Lab in Appleton, Wisconsin.

6.0 GROUNDWATER AND SOIL TESTING RESULTS

6.1 Groundwater Quality Standards

The Enforcement Standards (ESs) and Preventive Action Limits (PALs) are Groundwater Quality Standards, which have been established in NR140 of the Wisconsin Administrative Code. These Standards are referenced when evaluating the need for further study or remedial activities. The PAL is the more stringent guideline, in terms of being lesser in magnitude than the ES, but will typically require less response action when exceeded. The required action is determined by DNR regulations, based on various site-specific considerations.

6.2 Laboratory Groundwater Results

The groundwater samples collected MW-4 on May 11, 2016 contained benzo(a)pyrene (0.289 µg/l), benzo(b)fluoranthene (0.63 µg/l), and chrysene (0.32 µg/l), which exceed each compound's respective NR 140 ES of 0.2 µg/l. The sample collected from MW-5 on May 11, 2016 contained benzo(b)fluoranthene at a concentration of 0.218, which exceeds its NR 140 ES of 0.2 µg/l. The samples contained slight sediment.

The samples collected from MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5 on June 7, 2016 and from monitoring wells MW-4 and MW-5 on June 21, 2016 either did not contain PAHs or contained them at low levels at concentrations below their respective NR 140 ES. The samples were sediment free.

The sample collected from the utility excavation at W-1 on June 20, 2016 did not contain VOCs. The results of the sampling were provided to Fehr-Graham for use in their utility investigation for the ERP case.

The results of the chemical analyses of the groundwater samples collected from the monitoring wells are summarized in Table 2 in Appendix B. Laboratory analytical results and chain of custody forms for the monitoring well samples and sample W-1 are included in Appendix C.

6.3 NR 720 Soil Standards

Chapter 720 of the NR700 series code established residual contaminant levels (RCLs) for soils intended to be protective of the direct contact (upper 4 feet of soil defined by human exposure to substances in soil through inhalation of particulate matter, dermal absorption, incidental ingestion, or inhalation of vapors from the soil) and soil-to-groundwater pathways. The direct contact levels are dependent on the planned use and zoning of the affected property. Although these individual RCLs have been established for a wide range of compounds, the WDNR requires that the cumulative effects of detected compounds be evaluated through use of a WDNR interactive table where individual concentrations can be entered to evaluate whether the target cancer risk has been exceeded. The individual RCLs provided by the WDNR were developed using standard default exposure assumptions. As an alternative, site specific calculations can be performed utilizing the U.S. EPA Regional Screening Level Web Calculator.

6.4 Laboratory Soil Results

Three soil samples were collected from the imported topsoil on the subject site on August 16, 2016. The samples collected from SS-1 to SS-3 contained arsenic at concentrations ranging from 2.95 mg/kg to 3.43 mg/kg, which exceed their NR 720 soil to groundwater RCL but are below their WDNR established background value of 8 mg/kg. The concentrations are considered to be naturally occurring background levels. The other tested metals were either not detected or were detected at levels below their NR 720 soil standards or background levels. None of the samples contained VOCs.

Laboratory analytical and chain of custody forms are located in Appendix C.

7.0 VAPOR MITIGATION SYSTEM DESIGN AND SUB-SLAB VAPOR TESTING RESULTS

The sub-slab vapor mitigation system at the site was designed and installed by American Radon Reduction. The system consisted of a piping network beneath the slab consisting of 3-inch diameter Schedule 30 PVC that was connected to a 4-inch diameter Schedule 40 4-inch riser pipe extending through the roof line that was connected to a Radon Away electric fan blower. The piping was bedded in approximately 10 to 12 inches of clear stone gravel. Two sub-slab vapor testing ports were installed by General Engineering personnel within the northeastern (VP-1) and southwestern (VP-2) portions of the building. The system layout and locations of the vapor test ports are shown on Figure 4, Appendix A.

Sub-slab vapor samples were collected from VP-1 and VP-2 on September 2, 2016. The samples were submitted for laboratory analysis for the presence of VOCs by the TO-15 method. Several VOCs were detected within the collected air samples at levels below their respective small commercial sub-slab vapor risk screening levels, with the exception of ethylbenzene at VP-1, which was detected at a level of 4420 micrograms per cubic meter exceeding its risk screening level of 1600 micrograms per cubic meter. However, several other VOCs (such as acetone, methyl ethyl ketone, tetrahydrofuran, and styrene) were detected at elevated levels within the collected samples. According to the laboratory these compounds are commonly used within plumbing glues or building insulation materials and are commonly observed subsequent to new construction.

8.0 CONSTRUCTION DOCUMENTATION

An approximate 5,000 square foot structure was constructed within the northeast portion of the property by Immel Construction during 2016. The building consisted of a slab on grade structure with no basement. A vapor mitigation system and two sampling vapor ports were installed beneath the concrete slab of the structure, which were discussed within previous sections of this report. As of the date of this report, the interior of the structure is still under construction. Asphalt from the former parking lot on the site was pulverized on site and reused as base course beneath the new parking areas along the southern and western portions of the site. The most highly affected soils and groundwater (near MW-3) are now located beneath an impermeable asphalt cap. The former concrete slab and foundation were removed from the site and transported to Tordour Quarry. Since no VOCs, PAHs, or metals were detected or were detected at levels below their NR 720 soil standards or background levels within the previous VPLE investigation borings performed near the planned corners of the proposed building, soils removed during footing excavations were utilized as fill on site or were incorporated into the berm area on the north end of the site. It should be noted that visual observations performed by General Engineering during the footing excavation indicated a few inches of basecourse type material in the upper few inches of soil underlain by natural sand soils. The footing excavations generally extended to a depth of about 4 feet below grade. In a few areas undercuts were performed due the presence of unsuitable soft soils.

With regard to elevations changes at the site, site grades were generally raised from less than a foot to about 2 feet with the exception of the bermed areas on the northern end of the site, which were raised approximately 4 to 5 feet. The only undercutting performed at the site was performed within the water detention basin and drainage swale area in the eastern/southeastern portions of the site where the grade was lowered by up to about 3 to 4 feet. No soil contamination was observed within the soil samples collected in that area of the site and the removed soils were also incorporated into the bermed area. All of the monitoring wells at the site (with the exception of MW-2 in the right of way) were extended by General Engineering Company to accommodate the changed grades. The wells were extended with a two inch PVC coupling and additional two inch schedule 40 riser pipe. It is understood that Fehr Graham personnel will perform surveying of the new elevations of the wells during their on-going monitoring activities. In addition, upon authorization from the WDNR, monitoring wells MW-10, MW-11, MW-13, and MW-14 were properly abandoned by General Engineering Company on July 21, 2016. Monitoring well abandonment forms are included in Appendix D.

Soils imported to the site consisted of clear stone gravel and crushed gravel beneath the floor slab and parking areas, respectively and topsoil within landscaped areas. Samples of these materials were not collected for laboratory analysis since they consisted of stone or crushed stone from Daanen & Janssen Scray's Hill Quarry. Approximately 30 loads of topsoil were imported to the subject site from a residential project occurring east of the intersection of North Huron Road and Indigo Bluff Terrace in Green Bay, Wisconsin. The imported soils were placed in landscaped areas to thicknesses of about 4 inches. Soils samples collected from the imported topsoil (discussed in previous sections of this report) did not contain VOCs and did not contain metals at levels exceeding their respective NR 720 soil standards or background levels.

The majority of new utility installations were performed on the southeastern portion of the subject property where no soil or groundwater contamination has been documented or were performed beyond the areas of known soil contamination. Therefore, soils excavated during the utility excavations were reused as

backfill or were incorporated into the bermed areas on the northern portion of the site. A diagram showing the original utilities, removed or previously removed utilities, and new utilities are shown on Figure 5, Appendix A.

Site photographs documenting changes to the site are provided within Appendix E.

9.0 CONCLUSIONS, RECOMMENDATIONS, AND OPINIONS

Conclusion: General Engineering Company has performed this VPLE Site Investigation Update and Construction Documentation Report for the Former One Hour Martinizing property located at 1923 Main Street (Lot 3 of Parcel 21-1323-1), in the City of Green Bay, Brown County, Wisconsin.

With regard to the additional groundwater sampling performed as a result of the detected PAHs at levels exceeding their respective NR 140 ES at MW-4, MW-7, and TW-4, it appears that detected PAHs may be largely attributable to sediment within the samples. The sediment free samples collected from MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, and TW-5 on June 7, 2016 and from monitoring wells MW-4 and MW-5 on June 21, 2016 either did not contain PAHs or contained them at low levels at concentrations below their respective NR 140 ES well below those initially observed at MW-4, MW-7, and TW-4 when moderate sediment was present within the samples. Therefore, it appears that the extent of groundwater impacted by VOCs and to a lesser extent by PAHs has been generally defined and that no further groundwater VPLE investigation activities are necessary with the exception of completion of the ERP investigation and continued monitoring of the VOC plume within groundwater by Fehr Graham.

With regard to the soils utilized during construction, imported soils consisted of clear stone gravel and crushed gravel beneath the floor slab and parking areas, respectively and topsoil within landscaped areas. Samples of the gravel materials were not collected for laboratory analysis since they consisted of stone or crushed stone from Daanen & Janssen Scray's Hill Quarry. Approximately 30 loads of topsoil were imported to the subject site from a residential development project in Green Bay and placed in landscaped areas to thicknesses of about 4 inches. Soils samples collected from the imported topsoil did not contain VOCs and did not contain RCRA metals at levels exceeding their respective NR 720 soil standards or background levels. Therefore, it appears that the extent of VOC related soil contamination has been defined and that there are no other known affected soils on the subject site and that no further soil related site investigation activities are necessary to satisfy the VPLE site investigation.

With regard to the vapor mitigation system and vapor port testing, the samples collected from VP-1 and VP-2 contained several VOCs at levels below their respective small commercial sub-slab vapor risk screening levels, with the exception of ethylbenzene at VP-1, which was detected at a level of 4420 micrograms per cubic meter exceeding its risk screening level of 1600 micrograms per cubic meter. However, several other VOCs (such as acetone, methyl ethyl ketone, tetrahydrofuran, and styrene) were detected at elevated levels within the collected samples. According to the laboratory these compounds are commonly used within plumbing glues or building insulation materials and are commonly observed subsequent to new construction. Therefore, their presence appears to be related to the materials utilized in the construction of the new building and not from a contaminant source on the property. In addition, compounds associated within the ERP case were either not detected or were detected at levels well below each compound's respective sub-slab vapor risk screening level. Therefore, at the present time, it is not planned that the electric fan for the vapor mitigation system will be activated unless otherwise directed by the WDNR. If necessary, subsequent to the completion of the remaining interior construction activities, an additional round of vapor samples could be collected from the vapor ports to confirm the results.

Respectfully Submitted,

GENERAL ENGINEERING COMPANY



Brian Young
Environmental Project Manager



Lynn Bradley
Environmental Project Manager

APPENDIX A
FIGURES



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SITE LOCATION MAP
VPLE Site Investigation
Former One Hour Martinizing
GB Real Estate Development, LLC
 City of Green Bay
 Brown County, WI

GEC

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	Sept 2016
GEC FILE NO.	2-0615-231
SHEET NO.	

FIGURE 1



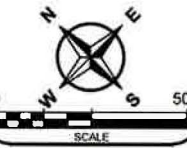
General Engineering Company

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SITE PLAN
VPLE Site Investigation
GB Real Estate Development, LLC
1923 Main St.
City of Green Bay
Brown County, WI

LEGEND
MONITORING WELL LOCATION
PIEZOMETER LOCATION

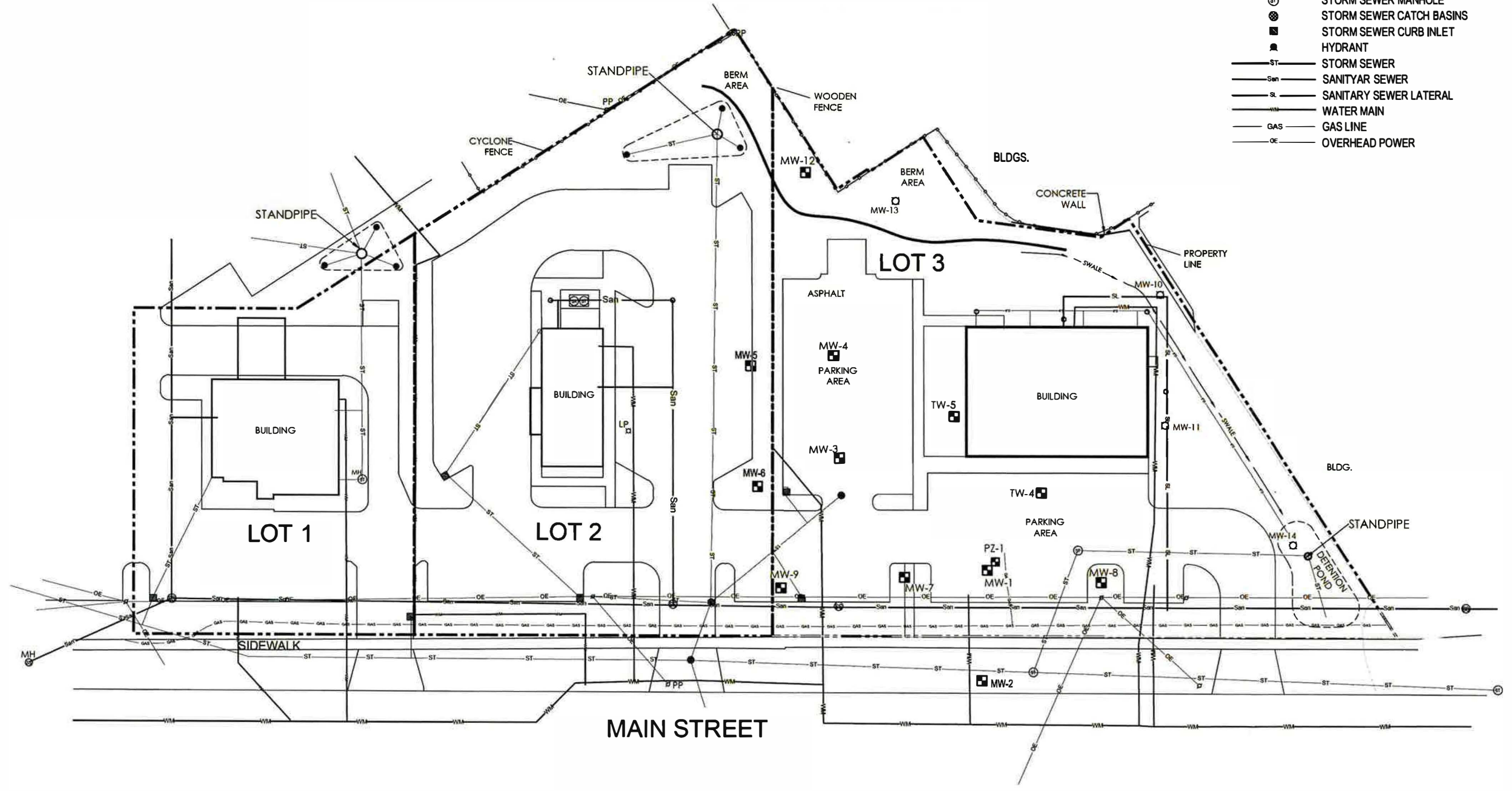


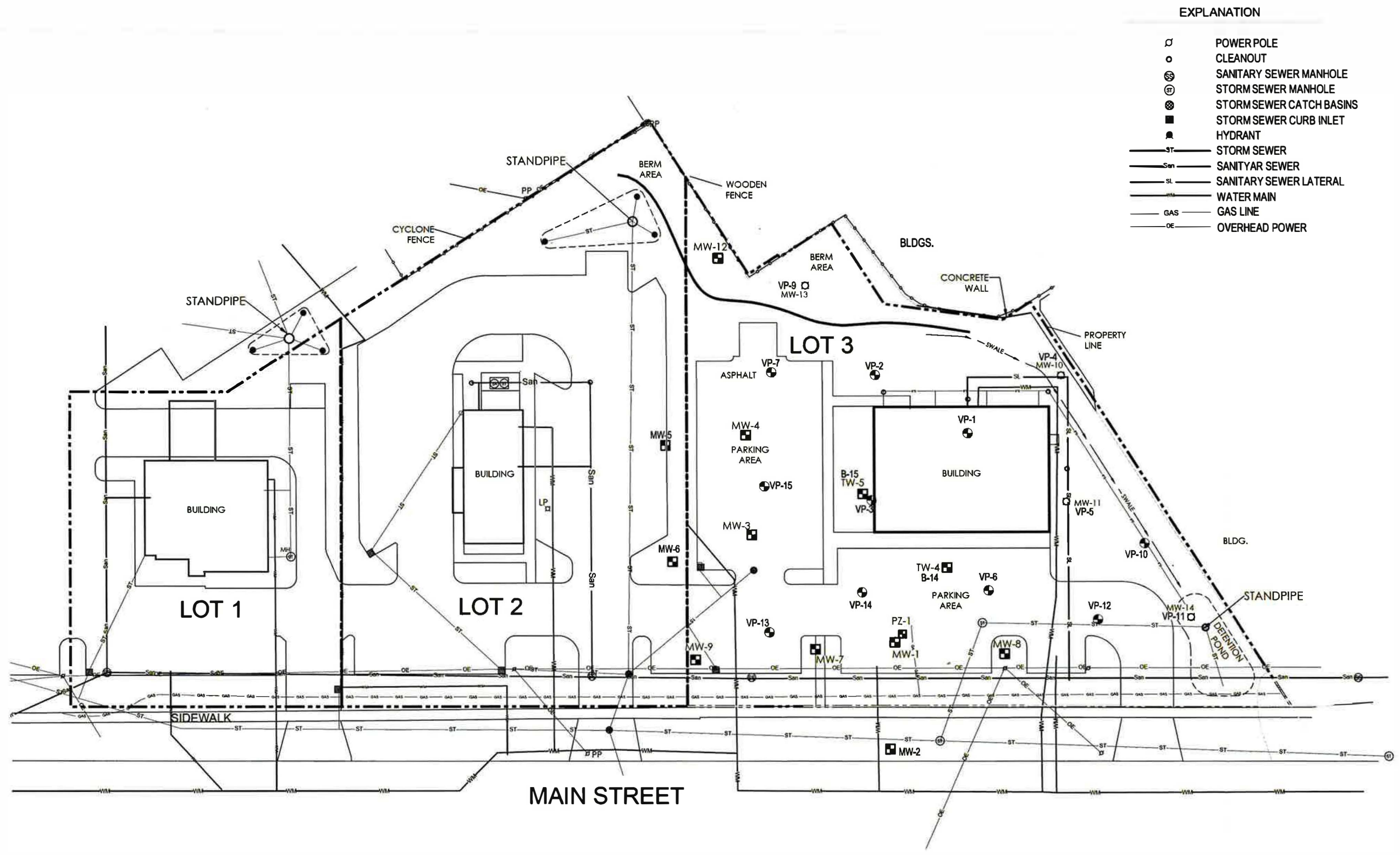
DRAWN BY: KP
REVIEWED BY: LMB
ISSUE DATE: Sept 2018
GEC FILE NO.: 2-0815-231
SHEET NO.:

FIGURE 2

EXPLANATION

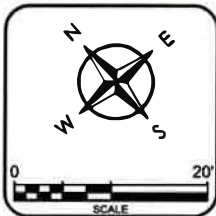
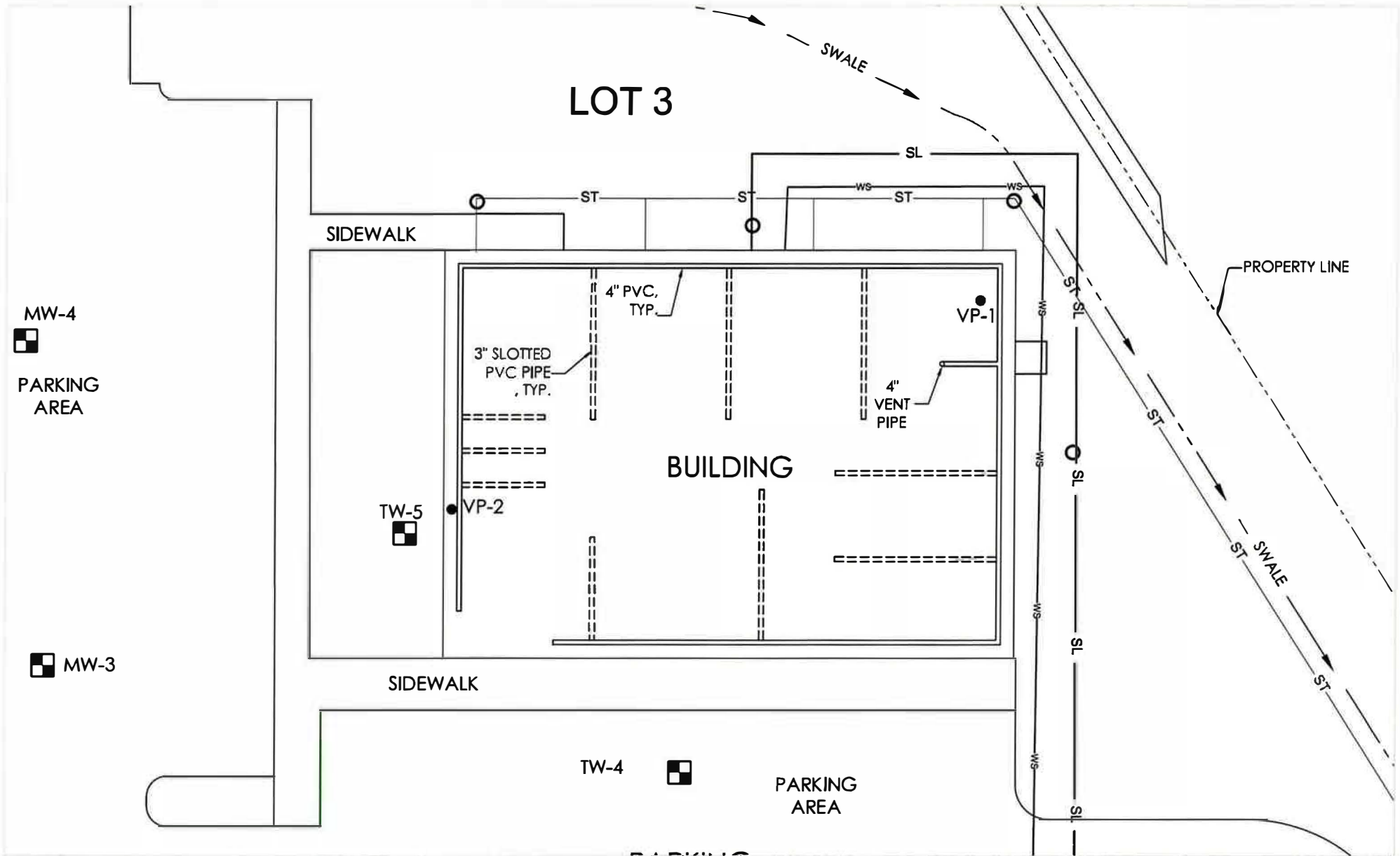
- ⊙ POWER POLE
- CLEANOUT
- ⊗ SANITARY SEWER MANHOLE
- ⊕ STORM SEWER MANHOLE
- ⊗ STORM SEWER CATCH BASINS
- STORM SEWER CURB INLET
- HYDRANT
- ST — STORM SEWER
- San — SANITARY SEWER
- SL — SANITARY SEWER LATERAL
- WM — WATER MAIN
- GAS — GAS LINE
- OE — OVERHEAD POWER





EXPLANATION

○	POWER POLE
○	CLEANOUT
⊙	SANITARY SEWER MANHOLE
⊕	STORM SEWER MANHOLE
⊗	STORM SEWER CATCH BASINS
■	STORM SEWER CURB INLET
⊙	HYDRANT
—ST—	STORM SEWER
—San—	SANITARY SEWER
—SL—	SANITARY SEWER LATERAL
—WM—	WATER MAIN
—GAS—	GAS LINE
—OE—	OVERHEAD POWER



LEGEND	
	MONITORING WELL LOCATION
	VAPOR PORT LOCATION
	SEWER LINE CLEANOUT LOCATION
	STORM LATERAL LOCATION
	SANITARY LATERAL LOCATION
	WATER LATERAL LOCATION

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**VAPOR MITIGATION SYSTEM LAYOUT &
 VAPOR POINT LOCATION DIAGRAM**

G.B. Real Estate Development, LLC
 1923 Main St.
 City of Green Bay
 Brown County, WI

GEC

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	Sept 2016
GEC FILE NO.	2-0615-231
SHEET NO.	FIGURE 4



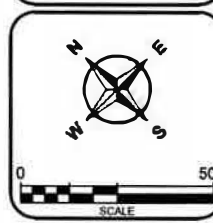
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UTILITY DIAGRAM
VLPE Site I Investigation
GB Real Estate Development, LLC
1923 Main St.
 City of Green Bay
 Brown County, WI

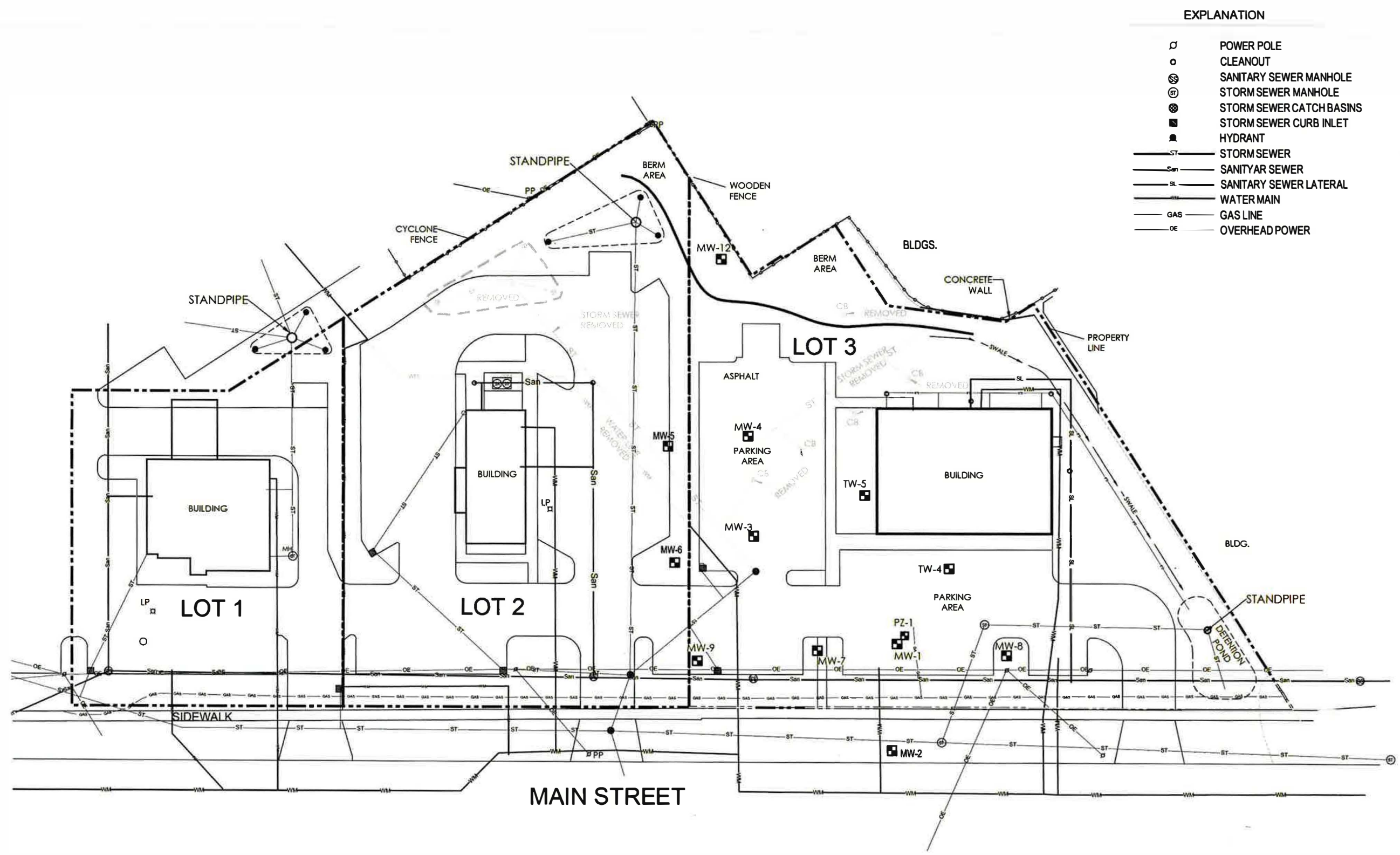
LEGEND

- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- SOIL BORING LOCATION
- ABANDONED MONITORING WELL LOCATION



DRAWN BY: RJP
 REVIEWED BY: LMB
 ISSUE DATE: Sept 2018
 GEC FILE NO: 2-0815-231
 SHEET NO.

FIGURE 5



EXPLANATION

⊙	POWER POLE
○	CLEANOUT
⊗	SANITARY SEWER MANHOLE
⊕	STORM SEWER MANHOLE
⊗	STORM SEWER CATCH BASINS
⊕	STORM SEWER CURB INLET
⊗	HYDRANT
—ST—	STORM SEWER
—San—	SANITARY SEWER
—SL—	SANITARY SEWER LATERAL
—WM—	WATER MAIN
—GAS—	GAS LINE
—OE—	OVERHEAD POWER

APPENDIX B
TABLES

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
GEC PROJECT #2-0615-231**

Sample No. Sampling Date	NR 720 RCL	WDR Non-Industrial RCL (Direct Contact)	WDR Soil to Groundwater RCL	Background Threshold Value (mg/kg)	VP-1		VP-2		VP-3		VP-4		VP-5	
					4/20/2016		4/20/2016		4/21/2016		4/20/2016		4/20/2016	
					5-7	13-15	2-4	8-10	2-4	8-10	2-4	6-8	2-4	6-8
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)														
Benzene	1490	1490	5.1	NE	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
cis 1,2 Dichloroethene	156000	156000	41.2	NE	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21
Ethylbenzene	7470	7470	1570	NE	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27
Methyl tert-butyl ether	59400	59400	27	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	30700	30700	4.5	NE	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54
Toluene	5300000	818000	1107	NE	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
Trichloroethene	1260	1260	3.6	NE	<42	<42	<42	<42	<42	<42	<42	<42	<42	<42
1,2,4-Trimethylbenzene	89800	89800	1382	NE	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
1,3,5-Trimethylbenzene	782000	182000	1382	NE	<89	<89	<89	<89	<89	<89	<89	<89	<89	<89
Xylenes, -m, -p	890000	258000	3940	NE	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
Xylenes, -o					<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
RCRA METALS (RCRA) (mg/kg)														
Mercury	14.7	3.13	0.208	NE	<0.0028	0.0179J	<0.0028	<0.0028	<0.0028	0.00775J	<0.0028	0.0047J	0.0075J	<0.0028
Arsenic	0.613	0.613	0.584	8	2.3	4.2	1.09J	3.04	2.95	2.44	1.12J	1.19J	1.89J	1.74J
Barium	15300	15300	164.8	364	10.50	103.00	9.94	17.60	17.70	29.00	8.02	13.60	23.70	10.30
Cadmium	70	70	0.752	1	<0.07	0.175J	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	0.100J	<0.07
Chromium	NE	NE	360000	44	4.72	25.10	3.97	4.99	10.20	12.40	4.21	4.99	6.51	3.82
Copper	3130	3130	91.6	35	6.68	32.50	2.19	9.01	7.43	13.50	6.76	9.06	4.63	6.01
Lead	NE	400	27	52	1.58	8.62	1.10	2.08	1.86	3.16	1.06	2.43	5.88	1.78
Nickel	1550	1550	13	31	5.72	27.40	3.24	6.11	8.45	11.70	4.46	5.86	5.22	4.13
Selenium	391	391	0.52	NE	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Silver	391	391	0.85	NE	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Zinc	23500	23500	NE	150	7.81	39.40	6.57	9.51	8.52	13.10	7.37	8.83	11.9	6.76
DETECTED POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) (µg/kg)														
Acenaphthene	3440000	3440000	NE	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Acenaphthylene	NE	NE	NE	NE	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9
Anthracene	17200000	17200000	197727	NE	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5
Benzo(a)anthracene	148	148	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Benzo(a)pyrene	15	15	470	NE	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8
Benzo(b)fluoranthene	148	148	479	NE	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4
Benzo(g,h,i)perylene	NE	NE	NE	NE	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17
Benzo(k)fluoranthene	1480	1480	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Chrysene	14800	14800	145	145	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6
Dibenz(a,h)anthracene	15	15	NE	NE	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2
Fluoranthene	2290000	2290000	88818	NE	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6
Fluorene	2290000	2290000	14802	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Indeno(1,2,3-cd)pyrene	148	148	NE	NE	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3
1-Methylnaphthalene	15600	15600	NE	NE	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4
2-Methylnaphthalene	229000	229000	NE	NE	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8
Naphthalene	5150	5150	658	NE	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2
Phenanthrene	NE	NE	NE	NE	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3
Pyrene	1720000	1720000	54132	NE	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8

J = Analyte detected above laboratory limit of detection but below limit of quantification.
 Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
 RCL = Residual Contaminant Level
 SSL = Soil Screening Levels
 DCL = Direct-Contact Levels
 NA = Parameter not analyzed
 NE = NR 720 RCL not established

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
GEC PROJECT #2-0615-231**

Sample No. Sampling Date	NR 720 RCL	WDNR Non-Industrial RCL (Direct Contact)	WDNR Soil to Groundwater RCL	Background Threshold Value (mg/kg)	VP-6		VP-7		VP-8		VP-9		VP-10	
					4/21/2016		4/20/2016		4/20/2016		4/20/2016		4/20/2016	
Sample Depth (feet)					2-4	8-10	2-4	6-8	2-4	8-10	2-4	6-8	2-4	8-10
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)														
Benzene	1490	1490	5.1	NE	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
cis 1,2 Dichloroethene	156000	156000	41.2	NE	<21	<21	<21	<21	<21	<21	<21	<21	<21	<21
Ethylbenzene	7470	7470	1570	NE	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27
Methyl tert-butyl ether	59400	59400	27	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	30700	30700	4.5	NE	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54
Toluene	5300000	818000	1107	NE	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
Trichloroethene	1260	1260	3.6	NE	<42	<42	<42	<42	<42	<42	<42	<42	<42	<42
1,2,4-Trimethylbenzene	89800	89800	1382	NE	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
1,3,5-Trimethylbenzene	782000	182000	1382	NE	<89	<89	<89	<89	<89	<89	<89	<89	<89	<89
Xylenes, -m, -p	890000	258000	3940	NE	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
Xylenes, -o					<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
RCRA METALS (RCRA) (mg/kg)														
Mercury	14.7	3.13	0.208	NE	<0.0028	0.00847J	<0.0028	<0.0028	0.0054J	0.0055J	<0.0028	<0.0028	<0.0028	0.0072J
Arsenic	0.613	0.613	0.584	8	1.87J	3.82	1.12J	1.69J	1.86J	2.39	<0.65	1.48J	1.00J	3.39
Barium	15300	15300	164.8	364	14.8	54.2	12.7	21.8	17.0	57.9	10.6	11.0	14	69.8
Cadmium	70	70	0.752	1	<0.07	<0.07	<0.07	<0.07	<0.07	0.105J	<0.07	<0.07	<0.07	0.098J
Chromium	NE	NE	360000	44	13.50	20.50	7.44	7.39	7.10	14.10	6.65	4.31	6.7	18.3
Copper	3130	3130	91.6	35	6.32	20.20	5.89	10.50	11.20	22.50	7.73	8.04	6.16	26
Lead	NE	400	27	52	2.01	5.08	1.98	2.56	2.77	5.75	1.97	2.00	1.52	6.33
Nickel	1550	1550	13	31	6.44	18.30	6.57	8.77	9.95	17.8	6.14	8.75	5.76	21.0
Selenium	391	391	0.52	NE	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Silver	391	391	0.85	NE	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Zinc	23500	23500	NE	150	8.62	22.00	10.60	12.30	13.00	23.90	9.66	7.69	9.50	29.9
DETECTED POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) (µg/kg)														
Acenaphthene	3440000	3440000	NE	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Acenaphthylene	NE	NE	NE	NE	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9
Anthracene	17200000	17200000	197727	NE	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5
Benzo(a)anthracene	148	148	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Benzo(a)pyrene	15	15	470	NE	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8
Benzo(b)fluoranthene	148	148	479	NE	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4
Benzo(g,h,i)perylene	NE	NE	NE	NE	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17
Benzo(k)fluoranthene	1480	1480	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Chrysene	14800	14800	145	145	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6
Dibenz(a,h)anthracene	15	15	NE	NE	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2
Fluoranthene	2290000	2290000	88818	NE	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6
Fluorene	2290000	2290000	14802	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Indeno(1,2,3-cd)pyrene	148	148	NE	NE	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3
1-Methylnaphthalene	15600	15600	NE	NE	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4
2-Methylnaphthalene	229000	229000	NE	NE	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8
Naphthalene	5150	5150	658	NE	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2
Phenanthrene	NE	NE	NE	NE	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3
Pyrene	1720000	1720000	54132	NE	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
 Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
 RCL = Residual Contaminant Level
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**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
GEC PROJECT #2-0615-231**

Sample No. Sampling Date	NR 720 RCL	WDNR Non-Industrial RCL (Direct Contact)	WDNR Soil to Groundwater RCL	Background Threshold Value (mg/kg)	VP-11		VP-12		VP-13		VP-14		VP-15	
					4/21/2016		4/20/2016		4/21/2016		4/21/2016		4/21/2016	
					2-4	6-8	4-6	8-10	2-4	6-8	2-4	6-8	2-4	6-8
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)														
Benzene	1490	1490	5.1	NE	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
cis 1,2 Dichloroethene	156000	156000	41.2	NE	<21	<21	<21	<21	<21	75	<21	<21	<21	<21
Ethylbenzene	7470	7470	1570	NE	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27
Methyl tert-butyl ether	59400	59400	27	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	30700	30700	4.5	NE	<54	<54	<54	<54	<54	<54	660	7700	<54	<54
Toluene	5300000	818000	1107	NE	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31
Trichloroethene	1260	1260	3.6	NE	<42	<42	<42	<42	<42	<42	<42	850	<42	<42
1,2,4-Trimethylbenzene	89800	89800	1382	NE	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
1,3,5-Trimethylbenzene	782000	182000	1382	NE	<89	<89	<89	<89	<89	<89	<89	<89	<89	<89
Xylenes, -m, -p	890000	258000	3940	NE	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
Xylenes, -o					<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
RCRA METALS (RCRA) (mg/kg)														
Mercury	14.7	3.13	0.208	NE	0.00446J	0.00813J	<0.0028	0.0075J	<0.0028	0.00838J	0.0375	<0.0028	<0.0028	<0.0028
Arsenic	0.613	0.613	0.584	8	1.87J	5.32	0.882J	3.71	4.19	4.89	3.43	2.05	<0.65	1.65
Barium	15300	15300	164.8	364	29.2	59.8	9.9	75.1	36.9	105.0	122.0	24.8	8.68	19.4
Cadmium	70	70	0.752	1	<0.07	<0.07	<0.07	0.131J	<0.07	0.131J	0.599	<0.07	<0.07	<0.07
Chromium	NE	NE	360000	44	13.00	22.20	4.74	20.20	13.20	36.40	15.70	11.25	4.49	8.89
Copper	3130	3130	91.6	35	5.93	21.20	3.19	26.90	16.40	32.50	8.37	11.00	1.67J	8.1
Lead	NE	400	27	52	2.30	4.71	1.64	6.86	3.52	7.80	7.69	3.18	1.07	2.28
Nickel	1550	1550	13	31	9.24	19.40	3.33	22.30	12.50	32.5	10.3	10.0	2.61	7.48
Selenium	391	391	0.52	NE	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	1.07J	<0.74	<0.74	<0.74
Silver	391	391	0.85	NE	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Zinc	23500	23500	NE	150	13.50	24.40	7.73	31.60	12.10	42.90	43.10	10.80	3.16	8.22
DETECTED POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) (µg/kg)														
Acenaphthene	3440000	3440000	NE	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Acenaphthylene	NE	NE	NE	NE	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9	<17.9
Anthracene	17200000	17200000	197727	NE	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5	<18.5
Benzo(a)anthracene	148	148	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Benzo(a)pyrene	15	15	470	NE	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8
Benzo(b)fluoranthene	148	148	479	NE	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4
Benzo(g,h,i)perylene	NE	NE	NE	NE	<17	<17	<17	<17	<17	<17	<17	<17	<17	<17
Benzo(k)fluoranthene	1480	1480	NE	NE	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4	<17.4
Chrysene	14800	14800	145	145	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6	<20.6
Dibenz(a,h)anthracene	15	15	NE	NE	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2	<21.2
Fluoranthene	2290000	2290000	88818	NE	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6	<19.6
Fluorene	2290000	2290000	14802	NE	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2	<20.2
Indeno(1,2,3-cd)pyrene	148	148	NE	NE	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3	<22.3
1-Methylnaphthalene	15600	15600	NE	NE	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4
2-Methylnaphthalene	229000	229000	NE	NE	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8	<17.8
Naphthalene	5150	5150	658	NE	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2	<18.2
Phenanthrene	NE	NE	NE	NE	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3	<16.3
Pyrene	1720000	1720000	54132	NE	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
 Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
 RCL = Residual Contaminant Level
 SSL = Soil Screening Levels
 DCL = Direct-Contact Levels
 NA = Parameter not analyzed
 NE = NR 720 RCL not established

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
GEC PROJECT #2-0615-231**

Sample No. Sampling Date	NR 720 RCL	WDNR Non-Industrial RCL (Direct Contact)	WDNR Soil to Groundwater RCL	Background Threshold Value (mg/kg)	SS-1	SS-2	SS-3
					8/16/2016	8/16/2016	8/16/2016
Sample Depth (Inches)					0-4	0-4	0-4
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)							
Benzene	1490	1490	5.1	NE	<16	<16	<16
cis 1,2 Dichloroethene	156000	156000	41.2	NE	<21	<21	<21
Ethylbenzene	7470	7470	1570	NE	<27	<27	<27
Methyl tert-butyl ether	59400	59400	27	NE	<25	<25	<25
Tetrachloroethene	30700	30700	4.5	NE	<54	<54	<54
Toluene	5300000	818000	1107	NE	<31	<31	<31
Trichloroethene	1260	1260	3.6	NE	<42	<42	<42
1,2,4-Trimethylbenzene	89800	89800	1382	NE	<78	<78	<78
1,3,5-Trimethylbenzene	782000	182000	1382	NE	<89	<89	<89
Xylenes, -m, -p	890000	258000	3940	NE	<70	<70	<70
Xylenes, -o					<29	<29	<29
RCRA METALS (RCRA) (mg/kg)							
Mercury	14.7	3.13	0.208	NE	0.0118	0.0165	0.0138
Arsenic	0.613	0.613	0.584	8	2.95	3.00	3.43
Barium	15300	15300	164.8	364	38.7	55.2	42.1
Cadmium	70	70	0.752	1	0.28	0.247J	0.262
Chromium	NE	NE	360000	44	14.80	18.70	13.9
Lead	NE	400	27	52	12.50	10.50	7.38
Selenium	391	391	0.52	NE	<0.74	<0.74	<0.74
Silver	391	391	0.85	NE	<0.28	<0.28	<0.28

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
 Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
 RCL = Residual Contaminant Level
 SSL = Soil Screening Levels
 DCL = Direct-Contact Levels
 NA = Parameter not analyzed
 NE = NR 720 RCL not established

**TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
GEC PROJECT #2-0615-231**

Monitoring Well	NR 140		MW-1		MW-3		MW-4				MW-5			MW-7		MW-8		MW-10		MW-11		MW-12		MW-13		MW-14		TW-4		TW-5						
	ES	PAL	4/29/2016	6/7/2016	4/20/2016	6/7/2016	4/20/2016	5/11/2016	6/7/2016	6/21/2016	5/11/2016	6/7/2016	6/21/2016	4/20/2016	6/7/2016	4/21/2016	6/7/2016	4/20/2016	6/7/2016	4/21/2016	6/7/2016	4/29/2016	6/7/2016	4/20/2016	6/7/2016	4/21/2016	6/7/2016	4/21/2016	6/7/2016	4/21/2016	6/7/2016					
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (ppbL)																																				
Benzene	5	0.5	<0.44	NA	<0.44	NA	<0.44	NA	NA	NA	NA	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA
cis-1,2-Dichloroethene	70	7	<0.45	NA	<0.45	NA	<0.45	NA	NA	NA	NA	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA	<0.45	NA
trans-1,2-Dichloroethene	100	20	<0.54	NA	<0.54	NA	<0.54	NA	NA	NA	NA	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA	<0.54	NA
Ethylbenzene	700	140	<0.71	NA	<0.71	NA	<0.71	NA	NA	NA	NA	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA
n-Propyltoluene	NE	NE	<1.1	NA	<1.1	NA	<1.1	NA	NA	NA	NA	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA
Methyl tert-butyl ether	60	12	<1.1	NA	<1.1	NA	<1.1	NA	NA	NA	NA	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA
Toluene	5	0.5	7.6	NA	760	NA	0.85J	NA	NA	NA	NA	NA	84.3	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA	<0.49	NA
Xylenes	800	160	<0.44	NA	<0.44	NA	<0.44	NA	NA	NA	NA	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA	<0.44	NA
Trichloroethene	5	0.5	<0.47	NA	<0.47	NA	<0.47	NA	NA	NA	NA	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA	<0.47	NA
1,2,4-Trimethylbenzene	480	96	<1.6	NA	<1.6	NA	<1.6	NA	NA	NA	NA	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA	<1.6	NA
1,3,5-Trimethylbenzene	480	96	<1.5	NA	<1.5	NA	<1.5	NA	NA	NA	NA	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA	<1.5	NA
Vinyl Chloride	0.2	0.02	<0.17	NA	0.46J	NA	<0.17	NA	NA	NA	NA	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA	<0.17	NA
Xylenes, o	2000	400	<2.2	NA	<2.2	NA	<2.2	NA	NA	NA	NA	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA	<2.2	NA
Xylenes, m,p	2000	400	<0.9	NA	<0.9	NA	<0.9	NA	NA	NA	NA	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA	<0.9	NA
DETECTED POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) (ppbL)																																				
Acenaphthene	NE	NE	<0.016	<0.016	<0.016	<0.016	0.148J	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Acenaphthylene	NE	NE	<0.019	<0.019	<0.019	<0.019	0.8	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Anthracene	3000	600	<0.019	<0.019	<0.019	<0.019	2.31	0.046J	0.04J	<0.019	0.0257J	0.036J	<0.019	0.037J	<0.019	<0.019	0.145	<0.019	<0.019	<0.019	0.0295J	<0.019	<0.019	0.008	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Benzo[a]anthracene	NE	NE	0.0258J	0.0194J	0.042J	<0.017	7.7	0.09	0.0254J	0.0228J	0.048J	0.057	0.041J	0.045J	<0.017	0.028J	0.024J	0.0264J	<0.017	0.0184J	0.057	0.0225J	0.036J	0.0249J	0.122	<0.017	<0.017	0.077	<0.017	0.077	<0.017	0.077	<0.017	0.077	<0.017	0.077
Benzo[b]fluoranthene	0.2	0.02	0.0313J	<0.021	0.0302J	<0.021	17.2	0.289	0.082	0.05J	0.119	0.046J	0.037J	0.17	<0.021	0.066J	0.023J	0.038J	<0.021	0.027J	0.052J	0.0232J	0.0296J	0.042J	0.137	<0.021	<0.021	0.13	<0.021	<0.021	0.13	<0.021	<0.021	<0.021	<0.021	
Benzo[k]fluoranthene	0.2	0.02	0.067	<0.018	0.059	<0.019	33	0.43	0.194	0.127	0.218	0.055J	0.044J	0.36	<0.018	0.15	0.038J	0.074	<0.018	0.054J	0.062	0.043J	0.026J	0.075	0.143	<0.018	<0.018	0.382	<0.018	<0.018	0.382	<0.018	0.382	<0.018	0.382	
Benzo[e]pyrene	NE	NE	0.056J	<0.025	0.0314J	<0.025	21.3	0.4	0.142	0.105	0.193	0.045J	0.036J	0.33	<0.025	0.091	<0.025	0.043J	<0.025	0.038J	0.043J	<0.025	0.036J	0.059J	0.13	<0.025	<0.025	0.142	<0.025	<0.025	0.142	<0.025	0.142	<0.025	0.142	
Benzo[h]fluoranthene	NE	NE	0.0298J	<0.016	0.0221J	<0.016	9	0.171	0.081	0.047J	0.066	0.046J	0.0263J	0.147	<0.016	0.053	0.034J	0.0314J	<0.016	0.0226J	0.044J	<0.016	0.0275J	0.032J	0.144	<0.016	<0.016	0.108	<0.016	<0.016	0.108	<0.016	<0.016	0.108	<0.016	0.108
Chrysene	0.2	0.02	0.04J	<0.02	0.047J	<0.02	18.2	0.32	0.097	0.056J	0.115	0.054J	0.038J	0.202	<0.02	0.078	0.0274J	0.051J	<0.02	0.038J	0.056J	<0.02	0.0282J	0.042J	0.12	<0.02	<0.02	0.108	<0.02	<0.02	0.108	<0.02	0.108	<0.02	0.108	
Dibenz[a,h]fluoranthene	NE	NE	<0.025	<0.025	<0.025	<0.025	3.3	0.046J	<0.025	<0.025	<0.025	<0.025	0.033J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.081	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Fluoranthene	400	80	0.051J	0.0214J	0.064	<0.017	27.9	0.48	0.144	0.096	0.152	0.047J	0.030J	0.285	<0.017	0.088	0.045J	0.07	<0.017	0.053J	0.055	<0.017	0.0282J	0.0296J	0.114	<0.017	<0.017	0.34	<0.017	0.34	<0.017	0.34	<0.017	0.34		
Fluorene	400	80	<0.021	<0.021	<0.021	<0.021	0.23J	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021		
Indeno[1,2,3-cd]pyrene	NE	NE	0.053J	<0.023	0.032J	<0.023	22.1	0.41	0.109	0.075	0.162	0.0291J	0.0287J	0.272	<0.023	0.083	<0.023	0.044J	<0.023	0.03J	0.038J	<0.023	<0.023	0.05J	0.136	<0.023	<0.023	0.143	<0.023	<0.023	0.143	<0.023	<0.023	0.143	<0.023	
1-Methylnaphthalene	NE	NE	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.084	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024		
2-Methylnaphthalene	NE	NE	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.139	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024		
Naphthalene	100	10	<0.019	0.036J	<0.019	0.0286J	0.11J	&																												

**TABLE 3
WATER LEVEL DATA
FORMER ONE HOUR MARTINIZING**

Monitoring Well Number	Top of Well Casing Elevation	Date Measured	Utility Bottom Elevation (Ft.)	Depth to Water (Ft.)	Groundwater Elevation (Ft.)
MW-1	98.61	4/21/2016		2.77	95.84
MW-3	98.29	4/21/2016		5.63	92.66
MW-4	99.27	4/21/2016		3.61	95.66
MW-7	97.83	4/21/2016		3.71	94.12
MW-8	98.91	4/21/2016		2.75	96.16
TW-4	100.04	4/21/2016		3.40	96.64
TW-5	99.96	4/21/2016		3.51	96.45
MW-10	100.37	4/21/2016		3.35	97.02
MW-11	100.23	4/21/2016		3.23	97.00
MW-12	100.73	4/21/2016		3.02	97.71
MW-13	99.92	4/21/2016		2.14	97.78
MW-14	99.16	4/21/2016		2.71	96.45
Catch Basin 1	98.31	4/21/2016	92.71		
NW Pad Catch Basin	99.53	4/21/2016	95.38		

ft = feet

NR=Not recorded

Elevations in feet in reference to benchmark with an assumed elevation of 100 feet.

TABLE 4
SUMMARY OF SUB-SLAB VAPOR SOIL ANALYTICAL RESULTS
FORMER ONE HOUR MARTINIZING
2-0615-231

TABLE 1 REGIONAL SCREENING LEVEL SUMMARY			
Sample No.	Small	VP-1	VP-2
Sampling Date	Commerical	09/02/16	09/02/16
Units	ug/m3		
VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)			
Benzene	530	8.58	<48.9
Carbon Tetrachloride	670	<1.23	<123
Chloroform	180	<0.930	<93
Chloromethane	13000	<0.374	<37.4
Dichlorodifluoromethane	15000	<0.989	<98.9
1,1 Dichloroethane	2600	<0.685	<68.5
1,2 Dichloroethane	160	<0.830	<83
1,1-Dichloroethene	29000	<0.646	<64.6
cis-1,2-Dichloroethene	NE	<0.515	<51.5
trans-1,2-Dichloroethene	NE	<0.614	<61.4
Ethylbenzene	1600	4420	313
Methylene Chloride	87000	12.7	<53.8
Methy Tert Butyl Ether	16000	<0.605	196
Naphthalene	120	4.37	<269
Tetrachloroethylene	6000	1.47	<113
Toluene	730000	25.5	149
1,1,1-Trichloroethane	73000	<1.21	<121
Trichloroethylene	290	<0.975	<97.5
Trichlorofluoromethane	NE	1.3	<126
1,2,4-Trimethylbenzene	1000	16.8	<79
1,3,5-Trimethylbenzene	NE	3.58	<103
Vinyl chloride	930	<0.389	<38.9
m&p-Xylene	15000	33.6	<137
o-Xylene	15000	18.2	<91.5

UG/M³ - Micrograms per Cubic Meter of Air

Bold indicates analytical results exceed May 2016 USEPA Regional Sub-Slab Vapor Risk Screening Level

APPENDIX C
SOIL AND GROUNDWATER ANALYTICAL REPORTS
AND CHAIN OF CUSTODY FORMS

CHAIN OF STUDY RECORD

Synergy

Chain # No. 276

Page ___ of ___

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
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Sample Handling Request

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

Normal Turn Around _____

Lab I.D. # _____

Account No.: _____ Quote No.: _____

Project #: _____

Sampler: (signature) *Ben [Signature]*

Project (Name / Location): *GB Adams St*

Reports To: *Ben Youngman* Invoice To: _____

Company: *GEI* Company: _____

Address: *916 Silver Lake Dr* Address: *C/O GEI*

City State Zip: *Portage WI 53901* City State Zip: _____

Phone: *608 697 8010* 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	
											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
<i>S03152A</i>	<i>SS-1 Topsoil</i>	<i>8/16/16</i>	<i>Pm</i>		<i>X</i>	<i>N</i>	<i>3</i>	<i>S</i>	<i>meth/none</i>
<i>B</i>	<i>SS-2 Topsoil</i>	<i>↓</i>	<i>↓</i>		<i>X</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>
<i>C</i>	<i>SS-3 Topsoil</i>	<i>↓</i>	<i>↓</i>		<i>X</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>

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: *Over*

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

Cooler seal intact upon receipt: *0* Yes _____ No

Retinquished By: (sign) *Ben [Signature]* Time _____ Date _____

Received By: (sign) _____ Time: *14:00* Date: *8/16/16*

Environmental Lab, Inc.

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Sample Handling Request

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

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: _____
Sampler: (signature) *Brian Yang*

Project (Name / Location): *GB Main St / Green Bay*
Reports To: *Brian Yang* Invoice To: _____
Company: *GEC* Company: _____
Address: *916 Silver Lake Dr* Address: *C/O GEC*
City State Zip: *Portage WI 53901* City State Zip: _____
Phone: *608 697 8010* 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)	B-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
<i>503/0181</i>	<i>MW-4</i>	<i>5/11/16</i>	<i>PM</i>			<i>N</i>	<i>1</i>	<i>GW</i>	<i>—</i>
	<i>MW-5</i>	<i>5/11/16</i>	<i>PM</i>			<i>N</i>	<i>1</i>	<i>GW</i>	<i>—</i>

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

Brian Yang

Sample Integrity - To be completed by receiving lab.
Method of Shipment: *Clean*
Temp. of Temp. Blank: _____ °C On Ice: *5*
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) _____ Time _____ Date _____
Received By: (sign) _____ Time _____ Date _____

Received in Laboratory By: *Micki-JEC* Time: *3:22 PM* Date: *5-11-16*

CHAIN OF CUSTODY RECORD

Synergy

Chain # **No 2710**

Page ___ of ___

Environmental Lab, Inc.

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Sample Handling Request

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

Normal Turn Around _____

Lab ID:
Account No.: Quote No.:
Project #:
Sampler: (signature) Ben Youngman

Project (Name / Location): GB Main St / Green Bay
Reports To: Ben Youngman Invoice To:
Company: GEC Company:
Address: 916 Silver Lake Dr Address:
City State Zip: Portage WI 53901 City State Zip:
Phone: 608 697 8010 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	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		
S031161	A MW-1	6/7/16	am			N	1	GW	None																			
	B MW-3																											
	C MW-4																											
	D MW-5																											
	E MW-8																											
	F MW-10																											
	G MW-11																											
	H MW-12																											
	I MW-13																											
	J MW-14																											
	K TW-4																											
	M TW-5																											

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

Ben Youngman 8:36 am 6/7/16

Sample Integrity - To be completed by receiving lab.

Method of Shipment:

Temp. of Temp. Blank: °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Time Date

Received By: (sign) Time 8:36 Date 6/7/16

Environmental Lab, Inc.

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Sample Handling Request

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

Normal Turn Around _____

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

Project (Name / Location): *One Hour Maintaining / Green Bay*
Reports To: *Debra Younger* Invoice To: _____
Company: *CoEC* Company: _____
Address: *916 Silver Lake Dr.* Address: _____
City State Zip: *Portage WI 53901* City State Zip: _____
Phone: *608 657 8010* 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	
												X			

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5031253A	W-1	6/21/16	AM		X	N	2	GW	ICL

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: *expof*
Temp. of Temp. Blank _____ °C On Ice
Cooler seal intact upon receipt: Yes _____ No

Relinquished By: (sign) *[Signature]* Time: *10:22* Date: *6/21/16*
Received By: (sign) *[Signature]* Time: *10:24* Date: *6/21/16*

CHAIN CUSTODY RECORD

Synergy

Chain # **Nº 2, .06**

Page ___ of ___

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Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **GB Main St**
Sampler: (signature) *Brian Youngwald*

Project (Name / Location): **GB Main St / Green Bay**
Reports To: *Brian Youngwald* Invoice To: _____
Company: **GEC** Company: *C/O GEC*
Address: *916 Silver Lake Dr* Address: _____
City State Zip: *Portage WI 53901* City State Zip: _____
Phone: *608 697 8010* 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)	6-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
5031257A	MW-4	6/21/16	AM			N	1	GW	-
B	MW-5	↓	↓			N	1	GW	-

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

10:22 AM 6/21/16

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

Relinquished By: (sign) *[Signature]* Time Date Received By: (sign) Time Date

Received in Laboratory By: *[Signature]* Time: **10:24** Date: **6/21/16**

Synergy Environmental Lab, INC.

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 30-Aug-16

Project Name GB MAIN STREET
Project #

Invoice # E31552

Lab Code 5031552A
Sample ID SS-1 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.1	%			1	5021		8/22/2016	NJC	1
Inorganic										
Metals										
Arsenic, Total	2.95	mg/kg	0.65	2.17	1	6010B		8/23/2016	ESC	1
Barium, Total	38.7	mg/kg	0.17	0.567	1	6010B		8/23/2016	ESC	1
Cadmium, Total	0.282	mg/kg	0.07	0.233	1	6010B		8/23/2016	ESC	1
Chromium, Total	14.8	mg/kg	0.14	0.467	1	6010B		8/23/2016	ESC	1
Lead, Total	12.5	mg/kg	0.19	0.633	1	6010B		8/23/2016	ESC	1
Mercury, Total	0.0118	mg/kg	0.0028	0.0093	1	7471		8/20/2016	ESC	1
Selenium, Total	< 0.74	mg/kg	0.74	2.47	1	6010B		8/23/2016	ESC	1
Silver, Total	< 0.28	mg/kg	0.28	0.933	1	6010B		8/23/2016	ESC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		8/23/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		8/23/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		8/23/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		8/23/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		8/23/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		8/23/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		8/23/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		8/23/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		8/23/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/23/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		8/23/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		8/23/2016	CJR	1

Project Name GB MAIN STREET
Project #

Invoice # E31552

Lab Code 5031552A
Sample ID SS-1 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Diclorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		8/23/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.068	1	8260B		8/23/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		8/23/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		8/23/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		8/23/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		8/23/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		8/23/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		8/23/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/23/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		8/23/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		8/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		8/23/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		8/23/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		8/23/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		8/23/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/23/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		8/23/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		8/23/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/23/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		8/23/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		8/23/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		8/23/2016	CJR	1
Vinyl Chloride	< 0.01	mg/kg	0.01	0.031	1	8260B		8/23/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		8/23/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		8/23/2016	CJR	1
SUR - 4-Bromofluorobenzene	117	Rec %			1	8260B		8/23/2016	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		8/23/2016	CJR	1
SUR - Toluene-d8	102	Rec %			1	8260B		8/23/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	92	Rec %			1	8260B		8/23/2016	CJR	1

Project Name GB MAIN STREET
Project #

Invoice # E31552

Lab Code 5031552B
Sample ID SS-2 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.9	%			1	5021		8/22/2016	NJC	1
Inorganic										
Metals										
Arsenic, Total	3.00	mg/kg	0.65	2.17	1	6010B		8/23/2016	ESC	1
Barium, Total	55.2	mg/kg	0.17	0.567	1	6010B		8/23/2016	ESC	1
Cadmium, Total	0.247 "J"	mg/kg	0.07	0.233	1	6010B		8/23/2016	ESC	1
Chromium, Total	18.7	mg/kg	0.14	0.467	1	6010B		8/23/2016	ESC	1
Lead, Total	10.5	mg/kg	0.19	0.633	1	6010B		8/23/2016	ESC	1
Mercury, Total	0.0165	mg/kg	0.0028	0.0093	1	7471		8/20/2016	ESC	1
Selenium, Total	< 0.74	mg/kg	0.74	2.47	1	6010B		8/23/2016	ESC	1
Silver, Total	< 0.28	mg/kg	0.28	0.933	1	6010B		8/23/2016	ESC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		8/23/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		8/23/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		8/23/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		8/23/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		8/23/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		8/23/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		8/23/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		8/23/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		8/23/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/23/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		8/23/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		8/23/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		8/23/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.068	1	8260B		8/23/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		8/23/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		8/23/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		8/23/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		8/23/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		8/23/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		8/23/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/23/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		8/23/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		8/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		8/23/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		8/23/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		8/23/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		8/23/2016	CJR	1

Project Name GB MAIN STREET
Project #

Invoice # E31552

Lab Code 5031552B
Sample ID SS-2 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/23/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		8/23/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		8/23/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/23/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		8/23/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		8/23/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		8/23/2016	CJR	1
Vinyl Chloride	< 0.01	mg/kg	0.01	0.031	1	8260B		8/23/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		8/23/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		8/23/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	95	Rec %			1	8260B		8/23/2016	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B		8/23/2016	CJR	1
SUR - Dibromofluoromethane	105	Rec %			1	8260B		8/23/2016	CJR	1
SUR - Toluene-d8	102	Rec %			1	8260B		8/23/2016	CJR	1

Lab Code 5031552C
Sample ID SS-3 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.4	%			1	5021		8/22/2016	NJC	1
Inorganic										
Metals										
Arsenic, Total	3.43	mg/kg	0.65	2.17	1	6010B		8/23/2016	ESC	1
Barium, Total	42.1	mg/kg	0.17	0.567	1	6010B		8/23/2016	ESC	1
Cadmium, Total	0.262	mg/kg	0.07	0.233	1	6010B		8/23/2016	ESC	1
Chromium, Total	13.9	mg/kg	0.14	0.467	1	6010B		8/23/2016	ESC	1
Lead, Total	7.38	mg/kg	0.19	0.633	1	6010B		8/23/2016	ESC	1
Mercury, Total	0.0138	mg/kg	0.0028	0.0093	1	7471		8/20/2016	ESC	1
Selenium, Total	< 0.74	mg/kg	0.74	2.47	1	6010B		8/23/2016	ESC	1
Silver, Total	< 0.28	mg/kg	0.28	0.933	1	6010B		8/23/2016	ESC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		8/23/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		8/23/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		8/23/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		8/23/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		8/23/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		8/23/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		8/23/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		8/23/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		8/23/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/23/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		8/23/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		8/23/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/23/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		8/23/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/23/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.068	1	8260B		8/23/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		8/23/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		8/23/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		8/23/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		8/23/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		8/23/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		8/23/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/23/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		8/23/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		8/23/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		8/23/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		8/23/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/23/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		8/23/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		8/23/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		8/23/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		8/23/2016	CJR	1

Lab Code 5031552C
Sample ID SS-3 TOP SOIL
Sample Matrix Soil
Sample Date 8/16/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/23/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		8/23/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		8/23/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/23/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		8/23/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		8/23/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		8/23/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		8/23/2016	CJR	1
Vinyl Chloride	< 0.01	mg/kg	0.01	0.031	1	8260B		8/23/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		8/23/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		8/23/2016	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		8/23/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	88	Rec %			1	8260B		8/23/2016	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			1	8260B		8/23/2016	CJR	1
SUR - Dibromofluoromethane	98	Rec %			1	8260B		8/23/2016	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.

ESC denotes sub contract lab - Certification #998093910

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, LLC

Sample Delivery Group: L857985
Samples Received: 09/07/2016
Project Number: GENERAL ENGINEERING
Description: Air Sample
Site: GB REAL ESTATE
Report To: Mike Ricker
1990 Prospect Court
Appleton, WI 54914

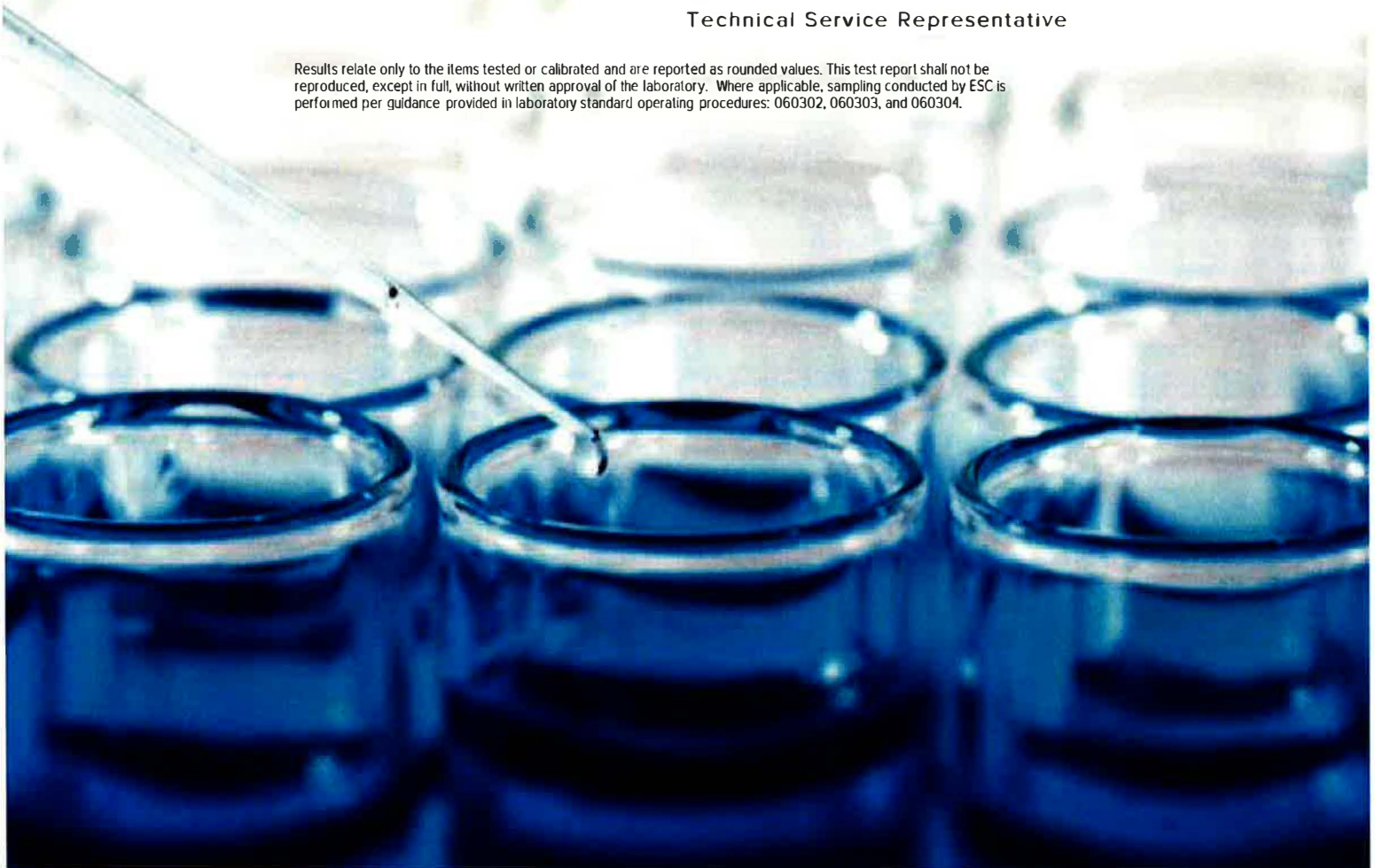
Entire Report Reviewed By:



John Hawkins

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



VP-1 L857985-01 Air

Collected by
Lynn Bradley

Collected date/time
09/02/16 09:30

Received date/time
09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG906878	1	09/12/16 22:39	09/12/16 22:39	DWR
Volatile Organic Compounds (MS) by Method TO-15	WG907498	40	09/14/16 00:44	09/14/16 00:44	DWR
Volatile Organic Compounds (MS) by Method TO-15	WG907728	200	09/14/16 17:09	09/14/16 17:09	DWR

VP-2 L857985-02 Air

Collected by
Lynn Bradley

Collected date/time
09/02/16 09:35

Received date/time
09/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG907386	100	09/13/16 17:55	09/13/16 17:55	DWR

1 C

2 T

3 S

4 C

5 S

6 Q

7 G

8 A

9 S



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

John Hawkins
Technical Service Representative

- 1 C
- 2 T
- 3 S
- C
- 5 S
- 6 Q
- 7 G
- 8 A
- 9 S

Collected date/time: 09/02/16 09:30

L857985

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	7.60	18.1	1650	3910		40	WG907498
Allyl chloride	107-05-1	76.53	0.182	0.570	ND	ND		1	WG906878
Benzene	71-43-2	78.10	0.153	0.489	2.68	8.58		1	WG906878
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG906878
Bromodichloromethane	75-27-4	164	0.145	0.973	ND	ND		1	WG906878
Bromoform	75-25-2	253	0.262	2.71	ND	ND		1	WG906878
Bromomethane	74-83-9	94.90	0.203	0.788	ND	ND		1	WG906878
1,3-Butadiene	106-99-0	54.10	0.188	0.416	ND	ND		1	WG906878
Carbon disulfide	75-15-0	76.10	0.181	0.563	3.85	12.0		1	WG906878
Carbon tetrachloride	56-23-5	154	0.195	1.23	ND	ND		1	WG906878
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG906878
Chloroethane	75-00-3	64.50	0.163	0.430	ND	ND		1	WG906878
Chloroform	67-66-3	119	0.191	0.930	ND	ND		1	WG906878
Chloromethane	74-87-3	50.50	0.181	0.374	ND	ND		1	WG906878
2-Chlorotoluene	95-49-8	126	0.202	1.04	ND	ND		1	WG906878
Cyclohexane	110-82-7	84.20	0.178	0.613	0.958	3.30		1	WG906878
Dibromochloromethane	124-48-1	208	0.165	1.40	ND	ND		1	WG906878
1,2-Dibromoethane	106-93-4	188	0.0617	0.474	ND	ND		1	WG906878
1,2-Dichlorobenzene	95-50-1	147	0.201	1.21	ND	ND		1	WG906878
1,3-Dichlorobenzene	541-73-1	147	0.199	1.20	ND	ND		1	WG906878
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG906878
1,2-Dichloroethane	107-06-2	99	0.205	0.830	ND	ND		1	WG906878
1,1-Dichloroethane	75-34-3	98	0.171	0.685	ND	ND		1	WG906878
1,1-Dichloroethene	75-35-4	96.90	0.163	0.646	ND	ND		1	WG906878
cis-1,2-Dichloroethene	156-59-2	96.90	0.130	0.515	ND	ND	J4	1	WG906878
trans-1,2-Dichloroethene	156-60-5	96.90	0.155	0.614	ND	ND		1	WG906878
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG906878
cis-1,3-Dichloropropene	10061-01-5	111	0.196	0.890	ND	ND		1	WG906878
trans-1,3-Dichloropropene	10061-02-6	111	0.145	0.658	ND	ND		1	WG906878
1,4-Dioxane	123-91-1	88.10	0.185	0.667	ND	ND		1	WG906878
Ethanol	64-17-5	46.10	11.1	20.9	819	1540		40	WG907498
Ethylbenzene	100-41-4	106	6.76	29.3	1020	4420		40	WG907498
4-Ethyltoluene	622-96-8	120	0.222	1.09	0.886	4.35		1	WG906878
Trichlorofluoromethane	75-69-4	137.40	0.224	1.26	0.231	1.30		1	WG906878
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG906878
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.229	1.76	ND	ND		1	WG906878
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.153	1.07	ND	ND		1	WG906878
Heptane	142-82-5	100	0.209	0.855	1.79	7.34		1	WG906878
Hexachloro-1,3-butadiene	87-68-3	261	0.219	2.34	ND	ND		1	WG906878
n-Hexane	110-54-3	86.20	0.152	0.536	2.77	9.78		1	WG906878
Isopropylbenzene	98-82-8	120.20	0.188	0.924	7.53	37.0		1	WG906878
Methylene Chloride	75-09-2	84.90	0.155	0.538	3.66	12.7		1	WG906878
Methyl Butyl Ketone	591-78-6	100	0.227	0.928	ND	ND		1	WG906878
2-Butanone (MEK)	78-93-3	72.10	6.56	19.3	1070	3160		40	WG907498
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.217	0.888	ND	ND		1	WG906878
Methyl methacrylate	80-62-6	100.12	0.258	1.06	ND	ND		1	WG906878
MTBE	1634-04-4	88.10	0.168	0.605	ND	ND		1	WG906878
Naphthalene	91-20-3	128	0.513	2.69	0.835	4.37		1	WG906878
2-Propanol	67-63-0	60.10	0.294	0.723	25.8	63.5		1	WG906878
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG906878
Styrene	100-42-5	104	6.20	26.4	618	2630		40	WG907498
1,1,2,2-Tetrachloroethane	79-34-5	168	0.192	1.32	ND	ND		1	WG906878
Tetrachloroethylene	127-18-4	166	0.166	1.13	0.217	1.47		1	WG906878
Tetrahydrofuran	109-99-9	72.10	33.8	99.7	297	876		200	WG907728
Toluene	108-88-3	92.10	0.166	0.625	6.76	25.5		1	WG906878
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG906878

Collected date/time: 09/02/16 09:30

L857985

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.222	1.21	ND	ND		1	WG906878
1,1,2-Trichloroethane	79-00-5	133	0.0957	0.521	ND	ND		1	WG906878
Trichloroethylene	79-01-6	131	0.182	0.975	ND	ND		1	WG906878
1,2,4-Trimethylbenzene	95-63-6	120	0.161	0.790	3.42	16.8		1	WG906878
1,3,5-Trimethylbenzene	108-67-8	120	0.210	1.03	0.729	3.58		1	WG906878
2,2,4-Trimethylpentane	540-84-1	114.22	0.152	0.710	0.685	3.20		1	WG906878
Vinyl chloride	75-01-4	62.50	0.152	0.389	ND	ND		1	WG906878
Vinyl Bromide	593-60-2	106.95	0.242	1.06	ND	ND		1	WG906878
Vinyl acetate	108-05-4	86.10	0.213	0.750	ND	ND		1	WG906878
m&p-Xylene	1330-20-7	106	0.315	1.37	7.76	33.6		1	WG906878
o-Xylene	95-47-6	106	0.211	0.915	4.19	18.2		1	WG906878
TPH (GC/MS) Low Fraction	8006-61-9	101	23.0	95.0	718	2970		1	WG906878
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG906878
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.6				WG907728
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG907498

1 C
2 T
3 S
4 C
5 S
6 Q
7 G
8 A
9 S

Collected date/time: 09/02/16 09:35

L857985

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	19.0	45.1	1550	3690		100	WG907386
Allyl chloride	107-05-1	76.53	18.2	57.0	ND	ND		100	WG907386
Benzene	71-43-2	78.10	15.3	48.9	ND	ND		100	WG907386
Benzyl Chloride	100-44-7	127	19.9	103	ND	ND		100	WG907386
Bromodichloromethane	75-27-4	164	14.5	97.3	ND	ND		100	WG907386
Bromoform	75-25-2	253	26.2	271	ND	ND		100	WG907386
Bromomethane	74-83-9	94.90	20.3	78.8	ND	ND		100	WG907386
1,3-Butadiene	106-99-0	54.10	18.8	41.6	ND	ND		100	WG907386
Carbon disulfide	75-15-0	76.10	18.1	56.3	44.2	138		100	WG907386
Carbon tetrachloride	56-23-5	154	19.5	123	ND	ND		100	WG907386
Chlorobenzene	108-90-7	113	20.0	92.4	ND	ND		100	WG907386
Chloroethane	75-00-3	64.50	16.3	43.0	ND	ND		100	WG907386
Chloroform	67-66-3	119	19.1	93.0	ND	ND		100	WG907386
Chloromethane	74-87-3	50.50	18.1	37.4	ND	ND		100	WG907386
2-Chlorotoluene	95-49-8	126	20.2	104	ND	ND		100	WG907386
Cyclohexane	110-82-7	84.20	17.8	61.3	ND	ND		100	WG907386
Dibromochloromethane	124-48-1	208	16.5	140	ND	ND		100	WG907386
1,2-Dibromoethane	106-93-4	188	6.17	47.4	ND	ND		100	WG907386
1,2-Dichlorobenzene	95-50-1	147	20.1	121	ND	ND		100	WG907386
1,3-Dichlorobenzene	541-73-1	147	19.9	120	ND	ND		100	WG907386
1,4-Dichlorobenzene	106-46-7	147	18.6	112	ND	ND		100	WG907386
1,2-Dichloroethane	107-06-2	99	20.5	83.0	ND	ND		100	WG907386
1,1-Dichloroethane	75-34-3	98	17.1	68.5	ND	ND		100	WG907386
1,1-Dichloroethene	75-35-4	96.90	16.3	64.6	ND	ND		100	WG907386
cis-1,2-Dichloroethene	156-59-2	96.90	13.0	51.5	ND	ND		100	WG907386
trans-1,2-Dichloroethene	156-60-5	96.90	15.5	61.4	ND	ND		100	WG907386
1,2-Dichloropropane	78-87-5	113	20.0	92.4	ND	ND		100	WG907386
cis-1,3-Dichloropropene	10061-01-5	111	19.6	89.0	ND	ND		100	WG907386
trans-1,3-Dichloropropene	10061-02-6	111	14.5	65.8	ND	ND		100	WG907386
1,4-Dioxane	123-91-1	88.10	18.5	66.7	ND	ND		100	WG907386
Ethanol	64-17-5	46.10	27.7	52.2	124	234		100	WG907386
Ethylbenzene	100-41-4	106	16.9	73.3	72.3	313		100	WG907386
4-Ethyltoluene	622-96-8	120	22.2	109	ND	ND		100	WG907386
Trichlorofluoromethane	75-69-4	137.40	22.4	126	ND	ND		100	WG907386
Dichlorodifluoromethane	75-71-8	120.92	20.0	98.9	ND	ND		100	WG907386
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	22.9	176	ND	ND		100	WG907386
1,2-Dichlorotetrafluoroethane	76-14-2	171	15.3	107	ND	ND		100	WG907386
Heptane	142-82-5	100	20.9	85.5	ND	ND		100	WG907386
Hexachloro-1,3-butadiene	87-68-3	261	21.9	234	ND	ND		100	WG907386
n-Hexane	110-54-3	86.20	15.2	53.6	115	406		100	WG907386
Isopropylbenzene	98-82-8	120.20	18.8	92.4	ND	ND		100	WG907386
Methylene Chloride	75-09-2	84.90	15.5	53.8	ND	ND		100	WG907386
Methyl Butyl Ketone	591-78-6	100	22.7	92.8	ND	ND		100	WG907386
2-Butanone (MEK)	78-93-3	72.10	16.4	48.4	1780	5250		100	WG907386
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	21.7	88.8	ND	ND		100	WG907386
Methyl methacrylate	80-62-6	100.12	25.8	106	ND	ND		100	WG907386
MTBE	1634-04-4	88.10	16.8	60.5	54.5	196		100	WG907386
Napthalene	91-20-3	128	51.3	269	ND	ND		100	WG907386
2-Propanol	67-63-0	60.10	29.4	72.3	ND	ND		100	WG907386
Propene	115-07-1	42.10	31.1	53.6	ND	ND		100	WG907386
Styrene	100-42-5	104	15.5	65.9	41.6	177		100	WG907386
1,1,2,2-Tetrachloroethane	79-34-5	168	19.2	132	ND	ND		100	WG907386
Tetrachloroethylene	127-18-4	166	16.6	113	ND	ND		100	WG907386
Tetrahydrofuran	109-99-9	72.10	16.9	49.8	1320	3890		100	WG907386
Toluene	108-88-3	92.10	16.6	62.5	39.6	149		100	WG907386
1,2,4-Trichlorobenzene	120-82-1	181	49.3	365	ND	ND		100	WG907386

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	22.2	121	ND	ND		100	WG907386
1,1,2-Trichloroethane	79-00-5	133	9.57	52.1	ND	ND		100	WG907386
Trichloroethylene	79-01-6	131	18.2	97.5	ND	ND		100	WG907386
1,2,4-Trimethylbenzene	95-63-6	120	16.1	79.0	ND	ND		100	WG907386
1,3,5-Trimethylbenzene	108-67-8	120	21.0	103	ND	ND		100	WG907386
2,2,4-Trimethylpentane	540-84-1	114.22	15.2	71.0	ND	ND		100	WG907386
Vinyl chloride	75-01-4	62.50	15.2	38.9	ND	ND		100	WG907386
Vinyl Bromide	593-60-2	106.95	24.2	106	ND	ND		100	WG907386
Vinyl acetate	108-05-4	86.10	21.3	75.0	ND	ND		100	WG907386
m&p-Xylene	1330-20-7	106	31.5	137	ND	ND		100	WG907386
o-Xylene	95-47-6	106	21.1	91.5	ND	ND		100	WG907386
TPH (GC/MS) Low Fraction	8006-61-9	101	2300	9500	4920	20300		100	WG907386
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG907386

1 C
2 T
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7 G
8 A
9 S

Method Blank (MB)

(MB) R3163119-3 09/12/16 12:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Allyl Chloride	U		0.0546	0.182
Benzene	U		0.0460	0.153
Benzyl Chloride	U		0.0598	0.199
Bromodichloromethane	U		0.0436	0.145
Bromoform	U		0.0786	0.262
Bromomethane	U		0.0609	0.203
1,3-Butadiene	U		0.0563	0.188
Carbon disulfide	U		0.0544	0.181
Carbon tetrachloride	U		0.0585	0.195
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.163
Chloroform	U		0.0574	0.191
Chloromethane	U		0.0544	0.181
2-Chlorotoluene	U		0.0605	0.202
Cyclohexane	U		0.0534	0.178
Dibromochloromethane	U		0.0494	0.165
1,2-Dibromoethane	U		0.0185	0.0617
1,2-Dichlorobenzene	U		0.0603	0.201
1,3-Dichlorobenzene	U		0.0597	0.199
1,4-Dichlorobenzene	U		0.0557	0.186
1,2-Dichloroethane	U		0.0616	0.205
1,1-Dichloroethane	U		0.0514	0.171
1,1-Dichloroethene	U		0.0490	0.163
cis-1,2-Dichloroethene	U		0.0389	0.130
trans-1,2-Dichloroethene	U		0.0464	0.155
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.196
trans-1,3-Dichloropropene	U		0.0435	0.145
1,4-Dioxane	U		0.0554	0.185
4-Ethyltoluene	U		0.0666	0.222
Trichlorofluoromethane	U		0.0673	0.224
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.229
1,2-Dichlorotetrafluoroethane	U		0.0458	0.153
Heptane	U		0.0626	0.209
Hexachloro-1,3-butadiene	U		0.0656	0.219
n-Hexane	U		0.0457	0.152
Isopropylbenzene	U		0.0563	0.188
Methylene Chloride	U		0.0465	0.155
Methyl Butyl Ketone	U		0.0682	0.227



Method Blank (MB)

(MB) R3163119-3 09/12/16 12:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
4-Methyl-2-pentanone (MIBK)	U		0.0650	0.217
Methyl Methacrylate	U		0.0773	0.258
MTBE	U		0.0505	0.168
Naphthalene	U		0.154	0.513
2-Propanol	U		0.0882	0.294
Propene	U		0.0932	0.311
1,1,2,2-Tetrachloroethane	U		0.0576	0.192
Tetrachloroethylene	U		0.0497	0.166
Toluene	U		0.0499	0.166
1,2,4-Trichlorobenzene	U		0.148	0.493
1,1,1-Trichloroethane	U		0.0665	0.222
1,1,2-Trichloroethane	U		0.0287	0.0957
Trichloroethylene	U		0.0545	0.182
1,2,4-Trimethylbenzene	U		0.0483	0.161
1,3,5-Trimethylbenzene	U		0.0631	0.210
2,2,4-Trimethylpentane	U		0.0456	0.152
Vinyl chloride	U		0.0457	0.152
Vinyl Bromide	U		0.0727	0.242
Vinyl acetate	U		0.0639	0.213
m&p-Xylene	U		0.0946	0.315
o-Xylene	U		0.0633	0.211
TPH (GC/MS) Low Fraction	U		6.91	23.0
(S) 1,4-Bromofluorobenzene	99.7			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163119-1 09/12/16 09:37 • (LCSD) R3163119-2 09/12/16 10:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Propene	3.75	4.71	4.84	126	129	53.9-143			2.78	25
Dichlorodifluoromethane	3.75	4.51	4.45	120	119	56.7-140			1.26	25
1,2-Dichlorotetrafluoroethane	3.75	4.60	4.56	123	122	70.0-130			0.810	25
Chloromethane	3.75	4.49	4.46	120	119	70.0-130			0.660	25
Vinyl chloride	3.75	4.72	4.65	126	124	70.0-130			1.38	25
1,3-Butadiene	3.75	4.64	4.62	124	123	70.0-130			0.290	25
Bromomethane	3.75	4.66	4.64	124	124	70.0-130			0.390	25
Chloroethane	3.75	4.69	4.69	125	125	70.0-130			0.0100	25
Trichlorofluoromethane	3.75	3.95	4.48	105	119	70.0-130			12.4	25
1,1,2-Trichlorotrifluoroethane	3.75	4.46	4.69	119	125	70.0-130			4.92	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163119-1 09/12/16 09:37 • (LCSD) R3163119-2 09/12/16 10:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	3.75	4.69	4.74	125	126	70.0-130			1.09	25
1,1-Dichloroethane	3.75	4.47	4.44	119	118	70.0-130			0.800	25
2-Propanol	3.75	4.65	4.80	124	128	50.4-152			3.18	25
Carbon disulfide	3.75	4.72	4.80	126	128	70.0-130			1.66	25
Methylene Chloride	3.75	4.17	4.13	111	110	70.0-130			0.850	25
MTBE	3.75	4.67	4.63	124	124	70.0-130			0.670	25
trans-1,2-Dichloroethene	3.75	4.57	4.50	122	120	70.0-130			1.53	25
n-Hexane	3.75	4.35	4.29	116	114	70.0-130			1.24	25
Vinyl acetate	3.75	4.72	4.72	126	126	70.0-130			0.130	25
cis-1,2-Dichloroethene	3.75	4.96	4.94	132	132	70.0-130	J4	J4	0.260	25
Chloroform	3.75	4.38	4.35	117	116	70.0-130			0.660	25
Cyclohexane	3.75	4.60	4.58	123	122	70.0-130			0.380	25
1,1,1-Trichloroethane	3.75	4.42	4.39	118	117	70.0-130			0.640	25
Carbon tetrachloride	3.75	4.37	4.36	117	116	70.0-130			0.220	25
Benzene	3.75	4.41	4.37	118	117	70.0-130			0.930	25
1,2-Dichloroethane	3.75	4.30	4.26	115	114	70.0-130			0.870	25
Heptane	3.75	4.63	4.62	123	123	70.0-130			0.0800	25
Trichloroethylene	3.75	4.35	4.32	116	115	70.0-130			0.860	25
1,2-Dichloropropane	3.75	4.40	4.38	117	117	70.0-130			0.360	25
1,4-Dioxane	3.75	4.49	4.54	120	121	48.0-156			0.930	25
Bromodichloromethane	3.75	4.37	4.33	116	115	70.0-130			0.920	25
cis-1,3-Dichloropropene	3.75	4.57	4.57	122	122	70.0-130			0.130	25
4-Methyl-2-pentanone (MIBK)	3.75	4.63	4.63	124	124	55.3-154			0.0100	25
Toluene	3.75	4.52	4.50	120	120	70.0-130			0.440	25
trans-1,3-Dichloropropene	3.75	4.52	4.52	121	120	70.0-130			0.140	25
1,1,2-Trichloroethane	3.75	4.39	4.36	117	116	70.0-130			0.580	25
Tetrachloroethylene	3.75	4.29	4.28	114	114	70.0-130			0.110	25
Methyl Butyl Ketone	3.75	4.76	4.76	127	127	47.9-165			0.0200	25
Dibromochloromethane	3.75	4.43	4.40	118	117	70.0-130			0.810	25
1,2-Dibromoethane	3.75	4.50	4.49	120	120	70.0-130			0.190	25
Chlorobenzene	3.75	4.52	4.50	121	120	70.0-130			0.470	25
m&p-Xylene	7.50	9.28	9.24	124	123	70.0-130			0.380	25
o-Xylene	3.75	4.75	4.72	127	126	70.0-130			0.640	25
Bromoform	3.75	4.43	4.40	118	117	70.0-130			0.530	25
1,1,2,2-Tetrachloroethane	3.75	4.52	4.50	121	120	70.0-130			0.450	25
4-Ethyltoluene	3.75	4.73	4.71	126	126	70.0-130			0.460	25
1,3,5-Trimethylbenzene	3.75	4.73	4.72	126	126	70.0-130			0.320	25
1,2,4-Trimethylbenzene	3.75	4.75	4.71	127	126	70.0-130			1.00	25
1,3-Dichlorobenzene	3.75	4.47	4.47	119	119	70.0-130			0.0500	25
1,4-Dichlorobenzene	3.75	4.52	4.51	121	120	70.0-130			0.290	25

1 Cp
2 Tc
3 Ss
4 Cr
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163119-1 09/12/16 09:37 • (LCSD) R3163119-2 09/12/16 10:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzyl Chloride	3.75	4.78	4.77	128	127	55.6-160			0.240	25
1,2-Dichlorobenzene	3.75	4.45	4.43	119	118	70.0-130			0.380	25
1,2,4-Trichlorobenzene	3.75	4.46	4.47	119	119	53.6-154			0.290	25
Hexachloro-1,3-butadiene	3.75	4.35	4.35	116	116	62.1-143			0.140	25
Naphthalene	3.75	4.61	4.64	123	124	52.0-158			0.490	25
TPH (GC/MS) Low Fraction	176	209	207	119	118	70.0-130			0.710	25
Allyl Chloride	3.75	4.82	4.82	128	128	70.0-130			0.0300	25
2-Chlorotoluene	3.75	4.67	4.66	125	124	70.0-130			0.240	25
Methyl Methacrylate	3.75	4.37	4.34	116	116	70.0-130			0.490	25
2,2,4-Trimethylpentane	3.75	4.69	4.68	125	125	70.0-130			0.160	25
Vinyl Bromide	3.75	4.02	4.59	107	123	70.0-130			13.4	25
Isopropylbenzene	3.75	4.68	4.67	125	124	70.0-130			0.370	25
(S) 1,4-Bromofluorobenzene				101	101	60.0-140				

1 Cp
2 Tc
3 Ss
4 Cr
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3163333-2 09/13/16 11:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	0.190
Allyl Chloride	U		0.0546	0.182
Benzene	U		0.0460	0.153
Benzyl Chloride	U		0.0598	0.199
Bromodichloromethane	U		0.0436	0.145
Bromoform	U		0.0786	0.262
Bromomethane	U		0.0609	0.203
1,3-Butadiene	U		0.0563	0.188
Carbon disulfide	U		0.0544	0.181
Carbon tetrachloride	U		0.0585	0.195
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.163
Chloroform	U		0.0574	0.191
Chloromethane	U		0.0544	0.181
2-Chlorotoluene	U		0.0605	0.202
Cyclohexane	U		0.0534	0.178
Dibromochloromethane	U		0.0494	0.165
1,2-Dibromoethane	U		0.0185	0.0617
1,2-Dichlorobenzene	U		0.0603	0.201
1,3-Dichlorobenzene	U		0.0597	0.199
1,4-Dichlorobenzene	U		0.0557	0.186
1,2-Dichloroethane	U		0.0616	0.205
1,1-Dichloroethane	U		0.0514	0.171
1,1-Dichloroethene	U		0.0490	0.163
cis-1,2-Dichloroethene	U		0.0389	0.130
trans-1,2-Dichloroethene	U		0.0464	0.155
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.196
trans-1,3-Dichloropropene	U		0.0435	0.145
1,4-Dioxane	U		0.0554	0.185
Ethylbenzene	U		0.0506	0.169
4-Ethyltoluene	U		0.0666	0.222
Trichlorofluoromethane	U		0.0673	0.224
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.229
1,2-Dichlorotetrafluoroethane	U		0.0458	0.153
Heptane	U		0.0626	0.209
Hexachloro-1,3-butadiene	U		0.0656	0.219
n-Hexane	U		0.0457	0.152
Isopropylbenzene	U		0.0563	0.188



Method Blank (MB)

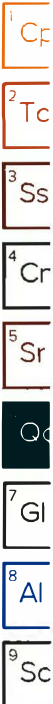
(MB) R3163333-2 09/13/16 11:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	0.0804	J	0.0465	0.155
Methyl Butyl Ketone	U		0.0682	0.227
2-Butanone (MEK)	U		0.0493	0.164
4-Methyl-2-pentanone (MIBK)	U		0.0650	0.217
Methyl Methacrylate	U		0.0773	0.258
MTBE	U		0.0505	0.168
Naphthalene	U		0.154	0.513
2-Propanol	U		0.0882	0.294
Propene	U		0.0932	0.311
Styrene	U		0.0465	0.155
1,1,2,2-Tetrachloroethane	U		0.0576	0.192
Tetrachloroethylene	U		0.0497	0.166
Tetrahydrofuran	U		0.0508	0.169
Toluene	U		0.0499	0.166
1,2,4-Trichlorobenzene	U		0.148	0.493
1,1,1-Trichloroethane	U		0.0665	0.222
1,1,2-Trichloroethane	U		0.0287	0.0957
Trichloroethylene	U		0.0545	0.182
1,2,4-Trimethylbenzene	U		0.0483	0.161
1,3,5-Trimethylbenzene	U		0.0631	0.210
2,2,4-Trimethylpentane	U		0.0456	0.152
Vinyl chloride	U		0.0457	0.152
Vinyl Bromide	U		0.0727	0.242
Vinyl acetate	U		0.0639	0.213
m&p-Xylene	U		0.0946	0.315
o-Xylene	U		0.0633	0.211
Ethanol	U		0.0832	0.277
TPH (GC/MS) Low Fraction	U		6.91	23.0
(S) 1,4-Bromofluorobenzene	97.3		60.0-140	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163333-1 09/13/16 10:21 • (LCSD) R3163333-3 09/13/16 13:40

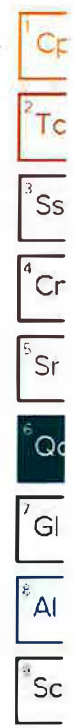
Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	3.29	2.87	87.7	76.5	34.3-167			13.6	25
Propene	3.75	3.97	4.07	106	109	53.9-143			2.54	25
Dichlorodifluoromethane	3.75	4.03	4.50	108	120	56.7-140			10.9	25
1,2-Dichlorotetrafluoroethane	3.75	4.08	4.24	109	113	70.0-130			3.83	25



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS)R3163333-1 09/13/16 10:21 • (LCSD) R3163333-3 09/13/16 13:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloromethane	3.75	3.92	4.12	104	110	70.0-130			4.96	25
Vinyl chloride	3.75	3.73	3.94	99.6	105	70.0-130			5.40	25
1,3-Butadiene	3.75	3.92	4.04	105	108	70.0-130			2.91	25
Bromomethane	3.75	3.75	3.77	100	100	70.0-130			0.360	25
Chloroethane	3.75	3.64	3.72	97.1	99.2	70.0-130			2.11	25
Trichlorofluoromethane	3.75	3.85	3.85	103	103	70.0-130			0.100	25
1,1,2-Trichlorotrifluoroethane	3.75	3.68	3.61	98.1	96.3	70.0-130			1.91	25
1,1-Dichloroethene	3.75	3.75	3.66	100	97.5	70.0-130			2.57	25
1,1-Dichloroethane	3.75	4.11	4.15	110	111	70.0-130			0.810	25
Acetone	3.75	3.76	3.70	100	98.6	70.0-130			1.73	25
2-Propanol	3.75	3.64	3.69	97.0	98.3	50.4-152			1.33	25
Carbon disulfide	3.75	3.69	3.74	98.4	99.7	70.0-130			1.33	25
Methylene Chloride	3.75	3.77	3.78	101	101	70.0-130			0.230	25
MTBE	3.75	4.13	4.10	110	109	70.0-130			0.660	25
trans-1,2-Dichloroethene	3.75	4.20	4.22	112	112	70.0-130			0.480	25
n-Hexane	3.75	4.10	4.10	109	109	70.0-130			0.100	25
Vinyl acetate	3.75	4.38	4.33	117	115	70.0-130			1.28	25
Methyl Ethyl Ketone	3.75	4.18	4.19	112	112	70.0-130			0.200	25
cis-1,2-Dichloroethene	3.75	4.22	4.22	113	113	70.0-130			0.0200	25
Chloroform	3.75	4.08	4.09	109	109	70.0-130			0.460	25
Cyclohexane	3.75	4.17	4.17	111	111	70.0-130			0.0800	25
1,1,1-Trichloroethane	3.75	4.07	4.09	108	109	70.0-130			0.480	25
Carbon tetrachloride	3.75	3.99	4.05	106	108	70.0-130			1.41	25
Benzene	3.75	4.08	4.15	109	111	70.0-130			1.84	25
1,2-Dichloroethane	3.75	4.18	4.23	111	113	70.0-130			1.12	25
Heptane	3.75	4.19	4.22	112	113	70.0-130			0.660	25
Trichloroethylene	3.75	4.13	4.12	110	110	70.0-130			0.120	25
1,2-Dichloropropane	3.75	4.16	4.23	111	113	70.0-130			1.69	25
1,4-Dioxane	3.75	4.10	4.18	109	112	48.0-156			2.00	25
Bromodichloromethane	3.75	4.12	4.17	110	111	70.0-130			1.09	25
cis-1,3-Dichloropropene	3.75	4.28	4.30	114	115	70.0-130			0.510	25
4-Methyl-2-pentanone (MIBK)	3.75	4.24	4.27	113	114	55.3-154			0.710	25
Toluene	3.75	4.13	4.19	110	112	70.0-130			1.40	25
trans-1,3-Dichloropropene	3.75	4.35	4.42	116	118	70.0-130			1.42	25
1,1,2-Trichloroethane	3.75	4.17	4.24	111	113	70.0-130			1.71	25
Tetrachloroethylene	3.75	4.10	4.13	109	110	70.0-130			0.740	25
Methyl Butyl Ketone	3.75	4.42	4.45	118	119	47.9-165			0.560	25
Dibromochloromethane	3.75	4.19	4.22	112	113	70.0-130			0.810	25
1,2-Dibromoethane	3.75	4.20	4.24	112	113	70.0-130			0.740	25
Chlorobenzene	3.75	4.13	4.18	110	111	70.0-130			1.12	25



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163333-1 09/13/16 10:21 • (LCSD) R3163333-3 09/13/16 13:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	3.75	4.25	4.25	113	113	70.0-130			0.0100	25
m&p-Xylene	7.50	8.61	8.61	115	115	70.0-130			0.0600	25
o-Xylene	3.75	4.28	4.33	114	115	70.0-130			1.13	25
Styrene	3.75	4.50	4.49	120	120	70.0-130			0.200	25
Bromoform	3.75	4.26	4.32	114	115	70.0-130			1.28	25
1,1,2,2-Tetrachloroethane	3.75	4.14	4.23	110	113	70.0-130			1.96	25
4-Ethyltoluene	3.75	4.41	4.44	118	118	70.0-130			0.560	25
1,3,5-Trimethylbenzene	3.75	4.29	4.30	114	115	70.0-130			0.350	25
1,2,4-Trimethylbenzene	3.75	4.39	4.47	117	119	70.0-130			1.81	25
1,3-Dichlorobenzene	3.75	4.44	4.51	118	120	70.0-130			1.57	25
1,4-Dichlorobenzene	3.75	4.44	4.51	118	120	70.0-130			1.49	25
Benzyl Chloride	3.75	4.47	4.55	119	121	55.6-160			1.76	25
1,2-Dichlorobenzene	3.75	4.34	4.44	116	118	70.0-130			2.37	25
1,2,4-Trichlorobenzene	3.75	4.18	3.96	111	106	53.6-154			5.26	25
Hexachloro-1,3-butadiene	3.75	4.28	4.23	114	113	62.1-143			1.28	25
Naphthalene	3.75	4.26	4.14	114	110	52.0-158			2.86	25
TPH (GC/MS) Low Fraction	176	186	189	106	107	70.0-130			1.31	25
Allyl Chloride	3.75	4.02	4.08	107	109	70.0-130			1.43	25
2-Chlorotoluene	3.75	4.20	4.22	112	112	70.0-130			0.440	25
Methyl Methacrylate	3.75	4.28	4.25	114	113	70.0-130			0.850	25
Tetrahydrofuran	3.75	4.12	4.14	110	110	65.0-140			0.370	25
2,2,4-Trimethylpentane	3.75	4.17	4.15	111	111	70.0-130			0.660	25
Vinyl Bromide	3.75	3.86	3.87	103	103	70.0-130			0.180	25
Isopropylbenzene	3.75	4.25	4.27	113	114	70.0-130			0.490	25
(S) 1,4-Bromofluorobenzene				101	101	60.0-140				



Method Blank (MB)

(MB) R3163455-3 09/13/16 23:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.0569	0.190
Ethylbenzene	U		0.0506	0.169
2-Butanone (MEK)	U		0.0493	0.164
Styrene	U		0.0465	0.155
Ethanol	U		0.0832	0.277
(S) 1,4-Bromofluorobenzene	94.9			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163455-1 09/13/16 21:45 • (LCSD) R3163455-2 09/13/16 22:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Ethanol	3.75	4.30	4.44	115	118	34.3-167			3.21	25
Acetone	3.75	4.83	4.89	129	130	70.0-130			1.17	25
Methyl Ethyl Ketone	3.75	4.44	4.39	118	117	70.0-130			1.20	25
Ethylbenzene	3.75	4.08	4.04	109	108	70.0-130			1.11	25
Styrene	3.75	4.11	4.07	109	109	70.0-130			0.840	25
(S) 1,4-Bromofluorobenzene				105	104	60.0-140				

Method Blank (MB)

(MB) R3163660-3 09/14/16 12:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Tetrahydrofuran	U		0.0508	0.169
(S) 1,4-Bromofluorobenzene	96.8			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163660-1 09/14/16 10:32 • (LCSD) R3163660-2 09/14/16 11:16

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Tetrahydrofuran	3.75	4.67	4.65	125	124	65.0-140			0.430	25
(S) 1,4-Bromofluorobenzene				98.6	98.2	60.0-140				

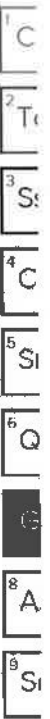
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cr
- 5 Sr
- Qc
- 7 Gl
- 8 Al
- 9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.





ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.
 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

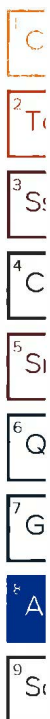
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{**} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Synergy Environmental Lab, LLC
 1990 Prospect Court
 Appleton, WI 54914

Billing Information:
Mike Ricker
 1990 Prospect Court
 Appleton, WI 54914

Report to:
Mike Ricker

Email To: **mrsynergy@wi.twcbc.com**

Project: **GB Real Estate**
 Description: **Air Sample**

City/State Collected: **Green Bay / WI**

Phone: **920-830-2455**
 Fax: **920-733-0631**

Client Project #
General Engineering

Lab Project #
SYNENVWI-AIR

Collected by (print):
Lynn Bradley

Site/Facility ID #
GB Real Estate

P.O. #

Collected by (signature):
 Immediately
 Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
 ___ Same Day200%
 ___ Next Day100%
 ___ Two Day50%
 ___ Three Day25%

Date Results Needed
 Email? ___ No **X** Yes
 FAX? ___ No ___ Yes

Analysis / Container / Preservative

TO-15TIC Summa													
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Chain of Custody Page ___ of ___



ESC
 L·A·B S·C·I·E·N·C·E·

YOUR LAB OF CHOICE

12065 Lebanon Rd
 Mount Juliet, TN 37122
 Phone: 615-758-5858
 Phone: 800-767-5859
 Fax: 615-758-5859



L# **L851905**
L220

Acctnum: **SYNENVWI**
 Template: **T109041**
 Prelogin: **P566589**
 TSR: **341 - John Hawkins**
 PB: **BRK 8-30-16**
 Shipped Via: **FedEX Ground**

Rem./Contaminant	Sample # (lab only)
	-01
	-02

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
YP-1		Air		9/2/16	9:30	1
YP-2		Air		↓	9:35	1

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks: pH _____ Temp _____
 Flow _____ Other _____

Relinquished by: (Signature) <i>Lynn Bradley</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Temp: Amb °C Bottles Received: 2
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 9-7-16 Time: 9:00

Hold #

Condition: (lab use only) **CA10**

FCXZ

COC Seal Intact: ___ Y ___ N / NA

pH Checked: NCF:



Cooler Receipt Form					
Client:	SYNENVWI	SDG#	LB57985		
Cooler Received/Opened On:	9/ 7/2016	Temperature Upon Receipt:	4MS °C		
Received By: Michael Lowe					
Signature: <i>[Signature]</i>					
Receipt Check List			Yes	No	N/A
Were custody seals on outside of cooler and intact?					✓
Were custody papers properly filled out?			✓		
Did all bottles arrive in good condition?			✓		
Were correct bottles used for the analyses requested?			✓		
Was sufficient amount of sample sent in each bottle?			✓		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)					✓
If applicable, was an observable VOA headspace present?					✓
Non Conformance Generated. (If yes see attached NCF)					

Synergy Environmental Lab, INC.

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 16-May-16

Project Name GB MAIN ST.
Project #

Invoice # E31018

Lab Code 5031018A
Sample ID MW-4
Sample Matrix Water
Sample Date 5/11/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	5/11/2016	5/12/2016	DJL	5
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	5/11/2016	5/12/2016	DJL	5
Anthracene	0.046 "J"	ug/l	0.019	0.062	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(a)antbracene	0.09	ug/l	0.017	0.054	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(a)pyrene	0.289	ug/l	0.021	0.067	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(b)fluoranthene	0.63	ug/l	0.018	0.058	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(g,h,i)perylene	0.4	ug/l	0.025	0.081	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(k)fluoranthene	0.171	ug/l	0.016	0.05	1	M8270C	5/11/2016	5/12/2016	DJL	1
Chrysene	0.32	ug/l	0.02	0.065	1	M8270C	5/11/2016	5/12/2016	DJL	1
Dibenzo(a,h)anthracene	0.046 "J"	ug/l	0.025	0.078	1	M8270C	5/11/2016	5/12/2016	DJL	1
Fluoranthene	0.48	ug/l	0.017	0.053	1	M8270C	5/11/2016	5/12/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	5/11/2016	5/12/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.41	ug/l	0.023	0.074	1	M8270C	5/11/2016	5/12/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	5/11/2016	5/12/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	5/11/2016	5/12/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	5/11/2016	5/12/2016	DJL	5
Phenanthrene	0.179	ug/l	0.017	0.055	1	M8270C	5/11/2016	5/12/2016	DJL	1
Pyrene	0.39	ug/l	0.02	0.063	1	M8270C	5/11/2016	5/12/2016	DJL	1

Project Name GB MAIN ST.
 Project #

Invoice # E31018

Lab Code 5031018B
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 5/11/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	5/11/2016	5/12/2016	DJL	5
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	5/11/2016	5/12/2016	DJL	5
Anthracene	0.0257 "J"	ug/l	0.019	0.062	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(a)anthracene	0.048 "J"	ug/l	0.017	0.054	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(a)pyrene	0.119	ug/l	0.021	0.067	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(b)fluoranthene	0.218	ug/l	0.018	0.058	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(g,h,i)perylene	0.193	ug/l	0.025	0.081	1	M8270C	5/11/2016	5/12/2016	DJL	1
Benzo(k)fluoranthene	0.066	ug/l	0.016	0.05	1	M8270C	5/11/2016	5/12/2016	DJL	1
Chrysene	0.115	ug/l	0.02	0.065	1	M8270C	5/11/2016	5/12/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	5/11/2016	5/12/2016	DJL	1
Fluoranthene	0.152	ug/l	0.017	0.053	1	M8270C	5/11/2016	5/12/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	5/11/2016	5/12/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.162	ug/l	0.023	0.074	1	M8270C	5/11/2016	5/12/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	5/11/2016	5/12/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	5/11/2016	5/12/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	5/11/2016	5/12/2016	DJL	5
Phenanthrene	0.053 "J"	ug/l	0.017	0.055	1	M8270C	5/11/2016	5/12/2016	DJL	1
Pyrene	0.138	ug/l	0.02	0.063	1	M8270C	5/11/2016	5/12/2016	DJL	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

- 1 Laboratory QC within limits.
- 5 The QC blank 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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 13-Jun-16

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164A
Sample ID MW-1
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	6
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	0.0194 "J"	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	0.0214 "J"	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	6
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.036 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
 Project #

Invoice # E31164

Lab Code 5031164B
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	6
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	6
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	6
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	6
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0286 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	6
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	6

Lab Code 5031164C
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	0.04 "J"	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	0.0264 "J"	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	0.082	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	0.194	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	0.142	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	0.081	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	0.097	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	0.144	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.109	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0263 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	0.081	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	0.122	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164D
Sample ID MW-5
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	0.036 "J"	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	0.057	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	0.049 "J"	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	0.055 "J"	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	0.045 "J"	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	0.046 "J"	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	0.054 "J"	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	0.047 "J"	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.0291 "J"	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0276 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	0.045 "J"	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Lab Code 5031164E
Sample ID MW-7
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	6
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	6
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0251 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164F
Sample ID MW-8
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Acenaphthylene	0.095	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	6
Anthracene	0.145	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)anthracene	0.024 "J"	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)pyrene	0.023 "J"	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(b)fluoranthene	0.038 "J"	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(k)fluoranthene	0.034 "J"	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Chrysene	0.0274 "J"	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	6
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluoranthene	0.045 "J"	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	6
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	6
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0194 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	0.06	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	6
Pyrene	0.038 "J"	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	6

Lab Code 5031164G
Sample ID MW-10
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0213 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164H
Sample ID MW-11
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	6
Anthracene	0.0295 "J"	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	0.057	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	0.052 "J"	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	0.062	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	0.042 "J"	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	0.044 "J"	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	0.056 "J"	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	0.055	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	6
Indeno(1,2,3-cd)pyrene	0.038 "J"	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0249 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	0.064	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	0.049 "J"	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Lab Code 5031164I
Sample ID MW-12
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	0.036 "J"	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	0.0299 "J"	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	0.036 "J"	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	0.027 "J"	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	0.0275 "J"	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	0.0282 "J"	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	0.0282 "J"	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	0.028 "J"	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164J
Sample ID MW-13
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	0.068	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)anthracene	0.122	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(a)pyrene	0.137	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(b)fluoranthene	0.143	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(g,h,i)perylene	0.13	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	6
Benzo(k)fluoranthene	0.144	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	6
Chrysene	0.12	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	6
Dibenzo(a,h)anthracene	0.081	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluoranthene	0.114	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	6
Fluorene	0.0232 "J"	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.136	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	6
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	0.101	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	6
Pyrene	0.112	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	6

Lab Code 5031164K
Sample ID MW-14
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Project Name GB MAIN STREET
Project #

Invoice # E31164

Lab Code 5031164L
Sample ID TW-4
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	0.0198 "J"	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	1

Lab Code 5031164M
Sample ID TW-5
Sample Matrix Water
Sample Date 6/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/8/2016	6/8/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(a)pyrene	< 0.021	ug/l	0.021	0.067	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/8/2016	6/8/2016	DJL	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/8/2016	6/8/2016	DJL	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	6/8/2016	6/8/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	6/8/2016	6/8/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/8/2016	6/8/2016	DJL	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	6/8/2016	6/8/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/8/2016	6/8/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/8/2016	6/8/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/8/2016	6/8/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/8/2016	6/8/2016	DJL	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/8/2016	6/8/2016	DJL	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.

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 30-Jun-16

Project Name ONE HOUR MARTINIZING
Project #

Invoice # E31253

Lab Code 5031253A
Sample ID W-1
Sample Matrix Water
Sample Date 6/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B	6/28/2016	6/28/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	6/28/2016	6/28/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B	6/28/2016	6/28/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B	6/28/2016	6/28/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	6/28/2016	6/28/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B	6/28/2016	6/28/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B	6/28/2016	6/28/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B	6/28/2016	6/28/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B	6/28/2016	6/28/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B	6/28/2016	6/28/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B	6/28/2016	6/28/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B	6/28/2016	6/28/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	6/28/2016	6/28/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	6/28/2016	6/28/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	6/28/2016	6/28/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	6/28/2016	6/28/2016	CJR	1

Lab Code 5031253A
Sample ID W-1
Sample Matrix Water
Sample Date 6/20/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B	6/28/2016	6/28/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B	6/28/2016	6/28/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B	6/28/2016	6/28/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B	6/28/2016	6/28/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B	6/28/2016	6/28/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B	6/28/2016	6/28/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/28/2016	6/28/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B	6/28/2016	6/28/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B	6/28/2016	6/28/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B	6/28/2016	6/28/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B	6/28/2016	6/28/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B	6/28/2016	6/28/2016	CJR	1
SUR - Toluene-d8	85	REC %			1	8260B	6/28/2016	6/28/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B	6/28/2016	6/28/2016	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B	6/28/2016	6/28/2016	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B	6/28/2016	6/28/2016	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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE, WI 53901

Report Date 28-Jun-16

Project Name GB MAIN STREET
Project #

Invoice # E31252

Lab Code 5031252A
Sample ID MW-4
Sample Matrix Water
Sample Date 6/21/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/27/2016	6/27/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/27/2016	6/27/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(a)anthracene	0.0228 "J"	ug/l	0.017	0.054	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(a)pyrene	0.05 "J"	ug/l	0.021	0.067	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(b)fluoranthene	0.127	ug/l	0.018	0.058	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(g,h,i)perylene	0.105	ug/l	0.025	0.081	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(k)fluoranthene	0.047 "J"	ug/l	0.016	0.05	1	M8270C	6/27/2016	6/27/2016	DJL	1
Chrysene	0.056 "J"	ug/l	0.02	0.065	1	M8270C	6/27/2016	6/27/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/27/2016	6/27/2016	DJL	1
Fluoranthene	0.096	ug/l	0.017	0.053	1	M8270C	6/27/2016	6/27/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/27/2016	6/27/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.075	ug/l	0.023	0.074	1	M8270C	6/27/2016	6/27/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/27/2016	6/27/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/27/2016	6/27/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/27/2016	6/27/2016	DJL	1
Phenanthrene	0.059	ug/l	0.055	0.055	1	M8270C	6/27/2016	6/27/2016	DJL	1
Pyrene	0.08	ug/l	0.02	0.063	1	M8270C	6/27/2016	6/27/2016	DJL	1

Project Name GB MAIN STREET
 Project #

Invoice # E31252

Lab Code 5031252B
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 6/21/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	6/27/2016	6/27/2016	DJL	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	6/27/2016	6/27/2016	DJL	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(a)anthracene	0.041 "J"	ug/l	0.017	0.054	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(a)pyrene	0.0307 "J"	ug/l	0.021	0.067	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(b)fluoranthene	0.044 "J"	ug/l	0.018	0.058	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(g,h,i)perylene	0.036 "J"	ug/l	0.025	0.081	1	M8270C	6/27/2016	6/27/2016	DJL	1
Benzo(k)fluoranthene	0.0263 "J"	ug/l	0.016	0.05	1	M8270C	6/27/2016	6/27/2016	DJL	1
Chrysene	0.038 "J"	ug/l	0.02	0.065	1	M8270C	6/27/2016	6/27/2016	DJL	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	6/27/2016	6/27/2016	DJL	1
Fluoranthene	0.039 "J"	ug/l	0.017	0.053	1	M8270C	6/27/2016	6/27/2016	DJL	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	6/27/2016	6/27/2016	DJL	1
Indeno(1,2,3-cd)pyrene	0.0287 "J"	ug/l	0.023	0.074	1	M8270C	6/27/2016	6/27/2016	DJL	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	6/27/2016	6/27/2016	DJL	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	6/27/2016	6/27/2016	DJL	1
Naphthalene	< 0.019	ug/l	0.019	0.06	1	M8270C	6/27/2016	6/27/2016	DJL	1
Phenanthrene	< 0.055	ug/l	0.055	0.055	1	M8270C	6/27/2016	6/27/2016	DJL	1
Pyrene	0.04 "J"	ug/l	0.02	0.063	1	M8270C	6/27/2016	6/27/2016	DJL	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
MONITORING WELL ABANDONMENT FORMS

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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.

Route to DNR Bureau:

Verification Only of Fill and Seal

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

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

County <u>Brown</u>		WI Unique Well # of Removed Well _____		Hicap # _____	
Latitude / Longitude (see instructions) <u>44.493013</u> N <u>87.9756513</u> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	
1/4 1/4 <u>NW</u> 1/4 <u>SE</u> or Gov't Lot #		Section <u>S</u>		Township <u>23 N</u>	
Well Street Address <u>1923 Main Street</u>		Range <u>21</u>		<input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well City, Village or Town <u>Green Bay</u>		Well ZIP Code <u>54302</u>			
Subdivision Name _____		Lot # _____		Original Well Owner <u>GR Real Estate Investments LLC</u>	

Facility Name <u>Former One Now Maintaining</u>		
Facility ID (FID or PWS) <u>405008890</u>		
License/Permit/Monitoring # <u>MW-13</u>		
Present Well Owner <u>GR Real Estate Investments LLC</u>		
Mailing Address of Present Owner <u>300 North Van Hook St</u>		
City of Present Owner <u>Green Bay</u>		State <u>WI</u>
ZIP Code <u>54301</u>		

Reason for Removal from Service <u>Sample Complete</u>	WI Unique Well # of Replacement Well _____
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3. Filled & Sealed Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <u>4/20/16</u>
<input type="checkbox"/> Water Well		
<input type="checkbox"/> Borehole / Drillhole		
If a Well Construction Report is available, please attach.		
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		
Total Well Depth From Ground Surface (ft.) <u>13</u>	Casing Diameter (in.) <u>2</u>	
Lower Drillhole Diameter (in.) <u>—</u>	Casing Depth (ft.) <u>13</u>	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, to what depth (feet)? <u>—</u>	Depth to Water (feet) <u>3 feet</u>	

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

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

5. Material Used to Fill Well / Drillhole

<u>3/8" Bentonite chips</u>			
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From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>13</u>	<u>0.33 Bags</u>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing <u>General Engineering Company</u>		License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>7/21/16</u>	DNR Use Only	
Street or Route <u>916 S Wax Lake Drive</u>		Telephone Number <u>(609) 742-2169</u>		Date Received	Noted By
City <u>Portage</u>	State <u>WI</u>	ZIP Code <u>53901</u>	Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>9/21/16</u>	

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Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

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

County <u>Brown</u>	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <u>Former One Hour Manufacturing</u>
Latitude / Longitude (see instructions) <u>44.493013</u> N <u>87.9756513</u> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <u>405008810</u>
1/4 1/4 <u>NE</u> 1/4 <u>SE</u> or Gov't Lot #	Section <u>5</u>	Township <u>23 N</u>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address <u>1923 Main Street</u>		Present Well Owner <u>GR Environmental Investments LLC</u>	
Well City, Village or Town <u>Green Bay</u>		Well ZIP Code <u>54302</u>	
Subdivision Name _____		Lot # _____	Mailing Address of Present Owner <u>300 Main Street</u>
Reason for Removal from Service <u>Removal of Well</u>		WI Unique Well # of Replacement Well _____	City of Present Owner <u>Green Bay</u>
State <u>WI</u>		ZIP Code <u>54301</u>	

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

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <u>4/2016</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<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
<input type="checkbox"/> Borehole / Drillhole		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <u>13</u>	Casing Diameter (in.) <u>2</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <u>1</u>	Casing Depth (ft.) <u>13</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <u>3 feet</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

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>3/8" Bentonite Chips</u>	<u>Surface</u>	<u>13</u>	<u>0.28 bags</u>	

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>GR Environmental Investments Company</u>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>7/21/16</u>	Date Received	Noted By
Street or Route <u>916 Silver Lake Drive</u>	Telephone Number <u>(920) 252-2161</u>	Comments		
City <u>Green Bay</u>	State <u>WI</u>	ZIP Code <u>54301</u>	Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>7/21/16</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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 DNR Bureau:

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

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

County: Brown WI Unique Well # of Removed Well: _____ Hicap #: _____
 Latitude / Longitude (see instructions): 44.493013 N Format Code: DD Method Code: GPS008
87.9756513 W DDM SCR002
 OTH001
 1/4 NW 1/4 SE Section: 5 Township: 23 N Range: 21 E W
 or Gov't Lot #: _____
 Well Street Address: 1923 Main Street
 Well City, Village or Town: Green Bay Well ZIP Code: 54302
 Subdivision Name: _____ Lot #: _____

Facility Name: Former One Now Marketing
 Facility ID (FID or PWS): 405008890
 License/Permit/Monitoring #: MW-17
 Original Well Owner: GR Real Estate Investment LLC
 Present Well Owner: GR Real Estate Investment LLC
 Mailing Address of Present Owner: 301 Main Street
 City of Present Owner: Green Bay State: WI ZIP Code: 54301

Reason for Removal from Service: Service Complete WI Unique Well # of Replacement Well: _____

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy): 4/2010
 Water Well
 Borehole / Drillhole If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): 13 Casing Diameter (in.): 2

Lower Drillhole Diameter (in.): _____ Casing Depth (ft.): 13

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet): 3 feet

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

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? 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 Concrete
 Sand-Cement (Concrete) Grout 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>3/8" Bentonite Chips</u>		<u>Surface</u>	<u>13</u>	<u>2.33 bags</u>	

6. Comments

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

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
<u>3Dapped Earth Company</u>		<u>7/2/11</u>		
Street or Route	Telephone Number	Comments		
<u>916 Silver Lake Drive</u>	<u>(920) 742-2169</u>			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
<u>Portage</u>	<u>WI</u>	<u>54901</u>	<u>[Signature]</u>	<u>7/2/11</u>

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Verification Only of Fill and Seal

Route to DNR Bureau:

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

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

County: Brown WI Unique Well # of Removed Well: _____ Hicap #: _____
 Latitude / Longitude (see instructions): 44.492013 N Format Code: DD Method Code: GPS008
87.9756513 W SCR002 OTH001
 DDM
 1/4 NW 1/4 SE Section: 5 Township: 23 N Range: 21 E W
 or Gov't Lot # _____
 Well Street Address: 1923 Main Street
 Well City, Village or Town: Green Bay Well ZIP Code: 54302
 Subdivision Name: _____ Lot #: _____

Facility Name: Former One Now Maintaining
 Facility ID (FID or PWS): 405008810
 License/Permit/Monitoring #: 100-14
 Original Well Owner: GR Real Estate Investments LLC
 Present Well Owner: GR Real Estate Investments LLC
 Mailing Address of Present Owner: 300 Main Street
 City of Present Owner: Green Bay State: WI ZIP Code: 54301

Reason for Removal from Service: Surface Conduct WI Unique Well # of Replacement Well: _____

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy): 4/2016
 Water Well
 Borehole / Drillhole If a Well Construction Report is available, please attach.
 Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____
 Formation Type:
 Unconsolidated Formation Bedrock
 Total Well Depth From Ground Surface (ft.): 13 Casing Diameter (in.): 2
 Lower Drillhole Diameter (in.): _____ Casing Depth (ft.): 13
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet): 3 feet

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

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? 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 Concrete
 Sand-Cement (Concrete) Grout 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

3/8" Bentonite Chips
 From (ft.): Surface To (ft.): 13 No. Yards, Sacks Sealant or Volume (circle one): 3.33 bags Mix Ratio or Mud Weight: _____

6. Comments

7. Supervision of Work

Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By	
<u>GR Real Estate Investments Company</u>	_____	<u>7/21/16</u>	_____	_____	
Street or Route	Telephone Number	Comments			
<u>916 S.W. Lakeview</u>	<u>(920) 942-2169</u>	_____			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed	
<u>Portage</u>	<u>WI</u>	<u>54301</u>	<u>[Signature]</u>	<u>7/21/16</u>	

APPENDIX E
SITE PHOTOGRAPHS



PHOTOGRAPH FROM SOUTHEAST CORNER OF SITE VIEWING TOWARD THE NORTH
ALONG THE STORMWATER MANAGEMENT AREA



PHOTOGRAPH FROM THE SOUTHEAST CORNER OF THE PROPERTY VIEWING TO THE
NORTHWEST



PHOTOGRAPH OF MW-1/PZ-1 VIEWING FROM THE SOUTHWEST TOWARD THE NORTHEAST



PHOTOGRAPH OF MW-9 NEAR THE WESTERN PROPERTY BOUNDARY



PHOTOGRAPH FROM NEAR THE SOUTHWEST CORNER OF THE PROPERTY VIEWING TOWARD THE EAST



PHOTOGRAPH OF THE WESTERN PORTION OF THE CONSTRUCTED FAMILIA DENTAL BUILDING



PHOTOGRAPH OF PAVED AREA AROUND MW-3 VIEWING TOWARD THE WEST AND THE ADJOINING ARBY'S CONSTRUCTION



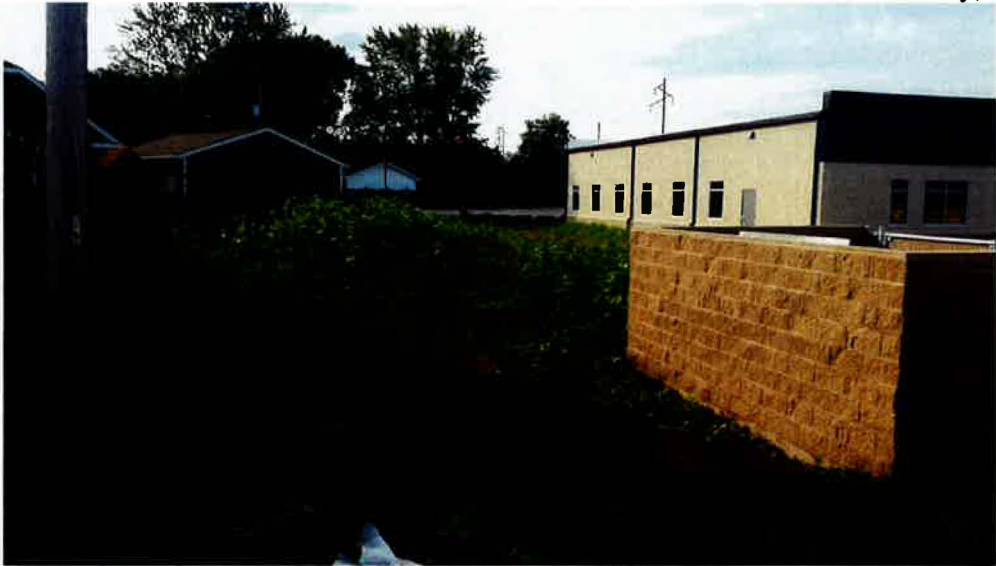
PHOTOGRAPH OF PAVED AREA AROUND MW-4 VIEWING TO THE SOUTHEAST TOWARD THE FAMILIA DENTAL BUILDING



PHOTOGRAPH OF STORMWATER DETENTION AREA ON THE NORTHERN PORTION OF THE WESTERN ADJOINING PROPERTY AND THE BERM ON THE NORTHERN PORTION OF THE SUBJECT PROPERTY



PHOTOGRAPH OF THE BERM AREA VIEWING FROM THE NORTHWESTERN PORTION OF THE PROEPRTY TOWARD THE SOUTHWEST



PHOTOGRAPH OF BERM AREA ALONG THE NORTHEASTERN PORTION OF THE PROPERTY VIEWING TOWARD THE SOUTHEAST



PHOTOGRAPH OF BERM AREA ALONG THE NORTHEASTERN PORTION OF THE PROPERTY VIEWING TOWARD THE SOUTHEAST



PHOTOGRAPH OF TW-5 NEAR THE SOUTHWESTERN PORTION OF THE FAMILIA DENTAL BUILDING



PHOTOGRAPH OF MW-12 NEAR NORTHWEST CORNER OF THE PROPERTY



PHOTOGRAPH OF PAVED AREA ALONG THE WESTERN PORTION OF THE FAMILIA DENTAL BUILDING VIEWING TOWARD THE SOUTHWEST



PHOTOGRAPH OF THE BERM AREA ALONG THE NORTHEASTERN PORTION OF THE PROPERTY VIEWING TOWARD THE NORTHWEST



PHOTOGRAPH FROM NEAR THE NORTHEAST CORNER OF THE SUBJECT PROPERTY
VIEWING TOWARD THE SOUTHWEST



PHOTOGRAPH OF VAPOR MITIGATION SYSTEM PIPING AND OTHER BUILDING
PLUMBING VIEWING FROM THE NORTHWEST TOWARD THE SOUTHEAST