

Site Investigation Report

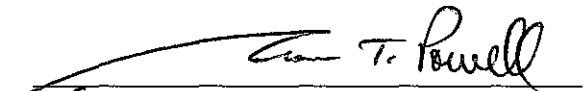
Auto Repair on Vliet
2481 W Vliet Street
Milwaukee, Wisconsin

September 26, 2017
by METCO
WDNR File Reference #: 03-41-286924
PECFA Claim #: 53205-1833-81



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September 26, 2017

WDNR BRRTS#: 03-41-286924
PECFA Claim #: 53205-1833-81-A

Raisa Beyder C/O Anna Shtivelberg, POA
242 E. Ravine Bay Road
Bayside, WI 53217

Dear Ms. Beyder,

Enclosed is our "Site Investigation Report" concerning the Auto Repair on Vliet site in Milwaukee, Wisconsin. This report presents the complete data from all investigation activities.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Based on the direct contact exceedances, elevated contaminant levels in unsaturated soil near the source area, and the presence of free product in monitoring well MW-1, the state will likely require remediation (soil excavation/disposal) to address soil and groundwater contamination and to help prevent vapor issues to the on-site building and/or nearby utilities, followed by post excavation groundwater monitoring to move the site toward closure. Per state response to this report, METCO will proceed with this project.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, do not hesitate to contact our La Crosse office.

Sincerely,

Jason T. Powell
Staff Scientist

C: Riley Neumann – WDNR

LIST OF ACRONYMS

AST - Aboveground Storage Tank
ASTM - American Society for Testing and Materials
Cd - Cadmium
DOT - Department of Transportation
DRO - Diesel Range Organics
ES - Enforcement Standards
gpm - gallons per minute
GRO - Gasoline Range Organics
HNU - brand name for Photoionization Detector
ID - inside-diameter
LAST - Leaking Aboveground Storage Tank
LUST - Leaking Underground Storage Tank
MSL - Mean Sea Level
MTBE - Methyl-tert-butyl ether
MW - Monitoring Well
NIOSH - National Institute for Occupational Safety & Health
NR - Natural Resources
OD - outside-diameter
PAH - Polynuclear Aromatic Hydrocarbons
PAL - Preventive Action Limits
Pb - Lead
PECFA - Petroleum Environmental Cleanup Fund
PID - Photoionization Detector
POTW - Publicly Owned Treatment Works
ppb ug/kg - parts per billion
ppm mg/kg - parts per million
psi - pounds per square inch
PVC - Polyvinyl Chloride
PVOC - Petroleum Volatile Organic Compounds
RAP - Remedial Action Plan
scfm - standard cubic feet per minute
SVE - Soil Vapor Extraction
USCS - Unified Soil Classification System
USGS - United States Geological Survey
UST - Underground Storage Tank
VOC - Volatile Organic Compounds
WDNR - Wisconsin Department of Natural Resources
WPDES - Wisconsin Pollutant Discharge Elimination System

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EXECUTIVE SUMMARY

A gas station and auto repair facility was constructed on the subject property in 1935. The gas station operated until 1987, when two 500-gallon gasoline USTs were abandoned in place. The property continues to operate as an auto repair facility, but has been vacant since early 2017.

On December 27, 2001, Advent Environmental Services notified the WDNR of petroleum contamination from the former gasoline UST systems at the Auto Repair on Vliet property and a LUST case (03-41-286924) was opened for the subject property. However, there are no reports in the WDNR file documenting how or where the contamination was discovered.

On August 17, 2001, Giles Engineering conducted a Phase 2 Environmental Site Assessment (P2ESA) at the adjacent vacant parcel to the east of the subject property. During the P2ESA, three soil borings (B1, B2, and B3) were completed with two soil samples from each boring submitted for laboratory analysis. Temporary monitoring wells were installed in two of the borings for the purpose of collecting groundwater samples. Groundwater analytical results from soil boring B3, which was conducted to the east of the former UST systems from the subject property, showed an NR140 PAL exceedance for Benzene (4.7 ppb). The petroleum contamination detected in the groundwater sample from B3 is likely from the former UST systems from the subject property.

During the P2ESA conducted by Giles on August 17, 2001, a soil boring (B1) was conducted adjacent to two buried waste oil drums that were discovered on the Auto Repair on Vliet property during a Phase 1 Environmental Site Assessment. Soil contamination was discovered in soil boring B1 and subsequently reported to the WDNR. Based on the soil analytical results from soil boring B1, the WDNR opened an ERP case (Auto Repair on Vliet, BRRTS# 02-41-282021) at the subject property.

Numerous other LUST, ERP, and Spill sites exist within the City of Milwaukee. The nearest being the Vacant Lot site (BRRTS# 02-41-577545, open) which is located approximately 500 feet to the northeast of the subject property.

In 2016, METCO was contracted to complete the site investigation, which consisted of a Geoprobe/Drilling Project and one round of groundwater monitoring. The results of the investigation clearly show that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

– Local unconsolidated materials generally consist of sandy silt/clay to silty sand from surface to at least 16 feet below ground surface (bgs). Very fine to medium grained sand with some gravel was also encountered in several borings from surface to depths ranging from 7 to 16 feet bgs. Please note that in the area of the former UST's and pump islands, geologic material varies drastically with very fine to medium grained sand, silty sand, sandy silt,

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silt/clay, and clay from surface to 16 feet bgs. Fill material consisting of sand, gravel, and concrete was encountered from 0-2 feet bgs in soil boring G-2.

- Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100-150 feet below ground surface, based on local well construction reports.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 8.83 to 12.20 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally toward the northwest.
- Unsaturated soil contamination which exceeds the NR720 Groundwater RCL and/or C-Sat values exists in the area of the former UST's and pump islands. This consists of an area which measures up to 62 feet long, up to 35 feet wide, and up to 12 feet thick. Unsaturated soil contamination which exceeds the NR720 Non-Industrial Direct Contact RCL's also exists in the area of the former pump islands. This consists of an oval shaped area which measures up to 18 feet long, up to 7 feet wide, and up to 4 feet thick. Four separate circular shaped areas of unsaturated soil contamination exceeding NR720 Groundwater RCL's, Non-Industrial Direct Contact RCL's, and/or C-Sat values also exist in the areas of (encompassing) B1, B2, B3, and G-10. Soil contamination in the area of B1 measures up to 12 feet in diameter, and up to 4 feet thick. Soil contamination in the area of B2 measures up to 9 feet in diameter, and up to 4 feet thick. Soil contamination in the area of B3 measures up to 9 feet in diameter, and up to 4 feet thick. Soil contamination in the area of G-10 (lead only) measures up to 9 feet in diameter, and up to 4 feet thick.
- A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the former UST's and pump islands and has migrated toward the northwest. This plume is approximately 133 feet long and up to 123 feet wide.
- Free product was encountered in soil boring G-6 (12 inches) during the Drilling Project. Free product was also encountered in monitoring well MW-1, ranging from 3 to 36 inches thick. A total of 5.55 gallons of free product was removed from MW-1.
- Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES and/or PAL exceedances. None of the other monitoring wells show any NR140 ES or PAL exceedances for any contaminants of concern.
- Based on the receptor survey, there is some risk of contaminant migration along the sanitary sewer main, and the risk of vapor intrusion to the on-site building may need to be further addressed.
- The receptor survey did not identify any potential risks to any municipal wells or surface

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waters.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Based on the direct contact exceedances, elevated contaminant levels in unsaturated soil near the source area, and the presence of free product in monitoring well MW-1, the state will likely require remediation (soil excavation/disposal) to address soil and groundwater contamination and to help prevent vapor issues to the on-site building and/or nearby utilities, followed by post excavation groundwater monitoring to move the site toward closure. Per state response to this report, METCO will proceed with this project.

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1.0 INTRODUCTION AND BACKGROUND

A Site Investigation is required by the Wisconsin Department of Natural Resources (WDNR) by authority of Section 292.11 of the Wisconsin Statutes. According to the WDNR, any soil that tests more than 10 ppm Gasoline Range Organics (GRO) or Diesel Range Organics (DRO) requires an investigation. Any soil that tests more than the Chapter NR720 Groundwater Residual Contaminant Levels (RCLs), Direct Contact RCLs, and/or Soil Saturation (C-sat) Values may require possible remediation. Any groundwater that tests more than the Preventive Action Limits (PAL) or Enforcement Standards (ES) for compounds listed in Chapter NR140 Groundwater Quality Standards requires an investigation and possible remediation. For a further explanation of WDNR rules and regulations, see Appendix E.

This report presents data collected during the Site Investigation. The purpose of this investigation was to:

- 1) Determine the extent and degree of petroleum contamination in the environment.
- 2) Determine if any risks exist to the environment or public health.
- 3) As conditions warrant, bring the site to closure.

1.1 Responsible Party Information

Raisa Beyder c/o Anna Shtivelberg, POA
242 E Ravine Bay Road
Bayside, WI 53217
(414) 736-1495

1.2 Consultant Information

Consultant

METCO
Ronald J. Anderson P.G.
Jason T. Powell
709 Gillette Street, Suite 3
La Crosse, WI 54603
(608) 781-8879

Subcontractors

DKS Transport Services, LLC
N7349 548th Street
Menomonie, WI 54751
(715) 556-2604

Fauerbach Surveying & Engineering
P.O. Box 140
Hillsboro, WI 54634
(608) 489-3363

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Geiss Soil and Samples, LLC
W4490 Pope Road
Merrill, WI 54452
(715) 539-3928

Synergy Environmental Lab
1990 Prospect Court
Appleton, WI 54914
(920) 830-2455

1.3 Site Location

Site address:
2481 W Vliet Street
Milwaukee, WI 53205

Latitude and Longitude:
43° 2' 54" N and 87° 56' 42" W

WTM Coordinates:
687366, 288250

Township/Range:
SW ¼, SW ¼, Section 19, Township 7 North, Range 22 East, Milwaukee
County

1.4 Site History

A gas station and auto repair facility was constructed on the subject property in 1935. The gas station operated until 1987, when two 500-gallon gasoline USTs were abandoned in place. The property continues to operate as an auto repair facility, but has been vacant since early 2017.

On December 27, 2001, Advent Environmental Services notified the WDNR of petroleum contamination from the former gasoline UST systems at the Auto Repair on Vliet property and a LUST case (03-41-286924) was opened for the subject property. However, there are no reports in the WDNR file documenting how or where the contamination was discovered.

On August 17, 2001, Giles Engineering conducted a Phase 2 Environmental Site Assessment (P2ESA) at the adjacent vacant parcel to the east of the subject property. During the P2ESA, three soil borings (B1, B2, and B3) were completed with two soil samples from each boring submitted for laboratory analysis. Temporary monitoring wells were installed in two of the borings for the purpose of collecting groundwater samples. Groundwater analytical results from soil boring B3, which was conducted to the east of the former UST systems from the subject property, showed an NR140 PAL exceedance for Benzene (4.7 ppb). The petroleum contamination detected in the groundwater sample from B3 is likely from the former UST systems from the subject property.

During the P2ESA conducted by Giles on August 17, 2001, a soil boring (B1)

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was conducted adjacent to two buried waste oil drums that were discovered on the Auto Repair on Vliet property during a Phase 1 Environmental Site Assessment. Soil contamination was discovered in soil boring B1 and subsequently reported to the WDNR. Based on the soil analytical results from soil boring B1, the WDNR opened an ERP case (Auto Repair on Vliet, BRRTS# 02-41-282021) at the subject property. However, the focus of this site investigation is on the former gasoline UST systems and LUST case.

Numerous other LUST, ERP, and Spill sites exist within the City of Milwaukee. The nearest being the Vacant Lot site (BRRTS# 02-41-577545, open) which is located approximately 500 feet to the northeast of the subject property.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, Milwaukee is located in the southern portion of the Lake Michigan Basin. Present day landforms in this area were formed by continental glaciers, which advanced from the north and east scouring the bedrock surface and transporting rock debris in the ice. As the glaciers melted, this unconsolidated material was deposited on the bedrock surface. Kettle moraine deposits, which consist of permeable stratified sediments and till, exist in much of Milwaukee County. Glacial lake deposits of poorly permeable clay, silt, and sand occur along the shores of Lake Michigan.

The elevation of the site is approximately 680 feet above Mean Sea Level (MSL). See Appendix A for site location.

Soil and Bedrock

Soil samples were described by METCO field personnel. Assisting literature included the Hydrologic Atlas, Wisconsin Geologic Logs, and Wisconsin Well Constructor Reports.

Local unconsolidated materials generally consist of tan to gray to black to orange sandy silt/clay to silty sand from surface to at least 16 feet bgs. Tan to gray to black very fine to medium grained sand with some gravel was also encountered in several borings from surface to depths ranging from 7 to 16 feet bgs. Please note that in the area of the former UST's and pump islands, geologic material varies drastically with very fine to medium grained sand, silty sand, sandy silt, silt/clay, and clay from surface to 16 feet bgs. Fill material consisting of sand, gravel,

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and concrete was encountered from 0-2 feet bgs in soil boring G-2.

Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100-150 feet below ground surface, based on local well construction reports.

Please note that this is a generalization of the local geology and may not be consistent throughout the entire investigation area.

No other characteristics concerning the local sediments such as structures, voids, layering, lenses or secondary permeability are documented at this time.

Hydrogeology

According to data collected from the monitoring wells from the sampling event, the depth to groundwater ranges from 8.83 to 12.20 feet bgs depending on well location.

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property is generally toward the northwest. A Groundwater Flow Direction Map is presented in Section 6.

We are not currently aware of any existing aquitards or perched water in this area.

2.2 Receptors

Buildings, Basements, Sumps, Utility Corridors

The extent of petroleum contamination in groundwater exceeding the NR140 ES and/or PAL appears to come into contact with the sewer and water main in North 25th Street. The aerial extent of groundwater contamination also comes into contact with a natural gas line, buried electric line, and a telephone/cable line. Natural gas lines, buried electric lines, and telephone/cable lines typically exist within 30 inches of ground surface and are backfilled with native soil. Therefore, these utility corridors do not appear to be a potential contaminant migration pathways.

A sanitary sewer main (15 inch diameter combined sewer) exists to the west of the subject property running along the center of North 25th Street. The sewer main exists at approximately 11-12 feet below ground surface and is backfilled with gravel. The sewer main was installed in 1970. Because the sewer main is backfilled with gravel, there is some risk it is acting as a potential contaminant migration pathway.

A water main (6 inch diameter) exists to the west of the subject property running along the east side of North 25th Street. The water main exists at approximately

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7 feet below ground surface and is backfilled with native soil (sandy silt to silt/clay). Because the water main is backfilled with native soil, it does not appear to be a potential contaminant migration pathway.

Water and sewer laterals from North 25th Street to the 2481 W. Vliet Street property also exist in the area of soil and groundwater contamination on the western part of the property. The sewer lateral exists at approximately 11 feet bgs and is backfilled with native soil. The sewer lateral was installed in 1934. The water lateral exists at approximately 6 feet bgs and is backfilled with native soil. The water lateral was installed in 1934. Because the water and sewer laterals are backfilled with native soil, these do not appear to be potential contaminant migration pathways.

The extent of petroleum contamination in unsaturated soil and groundwater appears to extend underneath the on-site building. Soil contamination exists at approximately 10 feet bgs and depth to groundwater is at approximately 8-9 feet bgs in the area of the building. Due to this, the vapor intrusion for the on-site building may need further evaluation.

Municipal and Private Water Supply Wells

The subject property and surrounding properties are all served by the City of Milwaukee municipal water supply, which draws its potable water from Lake Michigan. METCO is not aware of any private water supply wells in the area.

METCO is not currently aware of any other impacts, receptors, risks, or local problems associated with the subject property.

Surface Waters

The nearest surface water is Washington Pond, which exists approximately 5,700 feet to the west-northwest of the subject property. It does not appear that the petroleum contamination has impacted any surface waters.

3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

- 1) Collected site background information.
- 2) On August 30, 2016, METCO prepared a LUST Investigation Field Procedures Workplan.

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- 3) On February 6-8, 2017, METCO completed twenty-two soil borings, five of which were installed as monitoring wells (MW-1 thru MW-5). Seventy-eight soil samples and fourteen groundwater samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.
- 4) On February 16, 2017, METCO conducted slug tests on three monitoring wells (MW-1, MW-2, and MW-5).
- 5) On March 29, 2017, DKS Transport Services, LLC picked up and properly disposed of five drums of soil cuttings and one drum of purge water.
- 6) On May 10-11, 2017, METCO collected groundwater samples from the five monitoring wells for field and laboratory analysis (Round 1). The monitoring well network was also properly surveyed to feet mean sea level (msl) at this time. Please note that the water table was completely suppressed by free product on May 10 in monitoring well MW-1, therefore the well was sampled the following day after free product had been bailed and the water table had risen.

Site Access Problems

No site access problems were encountered during the LUST investigation.

Analytical Methods

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project to our knowledge.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

3.2 Data Discussion

Soil Sampling Data

On August 17, 2001, during the P2ESA, three soil borings (B1, B2, and B3) were completed with two soil samples from each boring submitted for laboratory analysis (PID, DRO, PVOC, and/or Lead).

On February 6-8, 2017, during the Geoprobe/Drilling project, twenty-two soil borings were completed with seventy-eight soil samples collected for field and laboratory analysis (PID, VOC, PVOC and Naphthalene +1,2-DCA, and Lead).

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Soil analytical results are summarized in the Soil Analytical Tables with exceedances of the NR720 Groundwater RCL's noted.

Soil sample locations are presented in the Detailed Site Map found in Section 6. All data is presented in the data tables in Section 7. The laboratory reports are presented in Appendix B.

Groundwater Sampling Data

On August 17, 2001, during the P2ESA, three soil borings (B1, B2, and B3) were completed, two of which were installed as temporary wells (B1 and B3). Groundwater samples were collected from the temporary wells and submitted for laboratory analysis (PVOC).

On February 6-8, 2017, during the Geoprobe/Drilling project, fourteen groundwater samples were collected from the borings for laboratory analysis (PVOC and Naphthalene).

On February 6-8, 2017, during the Geoprobe/Drilling project, five monitoring wells (MW-1 thru MW-5) were installed and properly developed.

On May 10-11, 2017, Round 1 groundwater samples were collected from the five monitoring wells and analyzed for VOC and Dissolved Lead. Monitoring wells MW-1 and MW-2 were also analyzed for PAH. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the five monitoring wells.

Geoprobe boring and monitoring well groundwater analytical results are summarized in the Groundwater Analytical Results Summary Table with exceedances of the NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES) noted.

The Geoprobe boring and monitoring well locations are presented in the Detailed Site Map in Section 6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

Laboratory Certification

Synergy Environmental Lab
Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivities

On February 16, 2017, METCO conducted slug tests on monitoring wells MW-1, MW-2 and MW-5. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc.

Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as follows:

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Monitoring Well MW-1

Hydraulic Conductivity (K) = 3.66E-04 cm/sec

Transmissivity = 5.05E-02 cm²/sec

Flow Velocity (V=KI/n) = 19.06612 m/yr

Monitoring Well MW-2

Hydraulic Conductivity (K) = 1.16E-03 cm/sec

Transmissivity = 2.02E-01 cm²/sec

Flow Velocity (V=KI/n) = 60.21490 m/yr

Monitoring Well MW-5

Hydraulic Conductivity (K) = 4.88E-04 cm/sec

Transmissivity = 8.04E-02 cm²/sec

Flow Velocity (V=KI/n) = 25.41985 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2 and MW-5 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

3.4 Discussion of Results

Local unconsolidated materials generally consist of sandy silt/clay to silty sand from surface to at least 16 feet bgs. Very fine to medium grained sand with some gravel was also encountered in several borings from surface to depths ranging from 7 to 16 feet bgs. Please note that in the area of the former UST's and pump islands, geologic material varies drastically with very fine to medium grained sand, silty sand, sandy silt, silt/clay, and clay from surface to 16 feet bgs. Fill material consisting of sand, gravel, and concrete was encountered from 0-2 feet bgs in soil boring G-2.

Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100-150 feet below ground surface, based on local well construction reports.

According to data collected from the monitoring wells, the depth to groundwater ranges from 8.83 to 12.20 feet bgs depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally toward the northwest.

Unsaturated soil contamination which exceeds the NR720 Groundwater RCL and/or C-Sat values exists in the area of the former UST's and pump islands. This consists of an area which measures up to 62 feet long, up to 35 feet wide, and up to 12 feet thick. Unsaturated soil contamination which exceeds the NR720 Non-Industrial Direct Contact RCL's also exists in the area of the former pump islands. This consists of an oval shaped area which measures up to 18 feet long, up to 7 feet wide, and up to 4 feet thick. Four separate circular shaped areas of unsaturated soil contamination exceeding NR720 Groundwater RCL's, Non-Industrial Direct Contact RCL's, and/or C-Sat values also exist in

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the areas of (encompassing) B1, B2, B3, and G-10. Soil contamination in the area of B1 measures up to 12 feet in diameter, and up to 4 feet thick. Soil contamination in the area of B2 measures up to 9 feet in diameter, and up to 4 feet thick. Soil contamination in the area of B3 measures up to 9 feet in diameter, and up to 4 feet thick. Soil contamination in the area of G-10 (lead only) measures up to 9 feet in diameter, and up to 4 feet thick.

A dissolved phase contaminant plume exceeding the NR140 ES and/or PAL has formed at the watertable in the area of the former UST's and pump islands and has migrated toward the northwest. This plume is approximately 133 feet long and up to 123 feet wide.

Free product was encountered in soil boring G-6 (12 inches) during the Drilling Project. Free product was also encountered in monitoring well MW-1, ranging from 3 to 36 inches thick. A total of 5.55 gallons of free product was removed from MW-1.

Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES and/or PAL exceedances. None of the other monitoring wells show any NR140 ES or PAL exceedances for any contaminants of concern.

Based on the receptor survey, there is some risk of contaminant migration along the sanitary sewer main, and the risk of vapor intrusion to the on-site building may need to be further addressed.

The receptor survey did not identify any potential risks to any municipal wells or surface waters.

To our knowledge, this investigation has not had any major difficulties, unanticipated results, or questionable results.

The Detailed Site Map, Soil Contamination Map, Groundwater Flow Direction Maps, Groundwater Isoconcentration Map, and Geologic Cross- Section figures, which visually define the extent of contamination, are presented in Section 6.

3.6 Risk Assessment

Per the NR746.03 definitions a release from petroleum tanks is considered "high risk" if any of the four following criterion are met:

1. Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under Chapter, Stats. 160.
2. Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event.

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3. An enforcement standard exceedance in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well used to provide water for human consumption.
4. An enforcement standard exceedance in fractured bedrock.

A "medium risk" site is defined as a site where contaminants have extended beyond the boundary of the source property, or there is confirmed contamination in the groundwater, but the site does not meet the definition of a "high risk" site.

A "low risk" site is defined as a site where contaminants are contained only within the soil on the source property and there is no confirmed contamination in groundwater.

Based on the NR746.03 definitions, the Auto Repair on Vliet site is currently a "high risk" site since free product is present with a thickness of 0.01 feet or more in MW-1, and has been verified by more than one sampling event.

4.0 CONCLUSIONS

4.1 Investigation Summary

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil and groundwater to warrant a completed investigation as defined by the WDNR guidelines and regulations.

4.2 Recommendations

Based on the direct contact exceedances, elevated contaminant levels in unsaturated soil near the source area, and the presence of free product in monitoring well MW-1, the state will likely require remediation (soil excavation/disposal) to address soil and groundwater contamination and to help prevent vapor issues to the on-site building and/or nearby utilities, followed by post excavation groundwater monitoring to move the site toward closure. Per state response to this report, METCO will proceed with this project.

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5.0 REFERENCES

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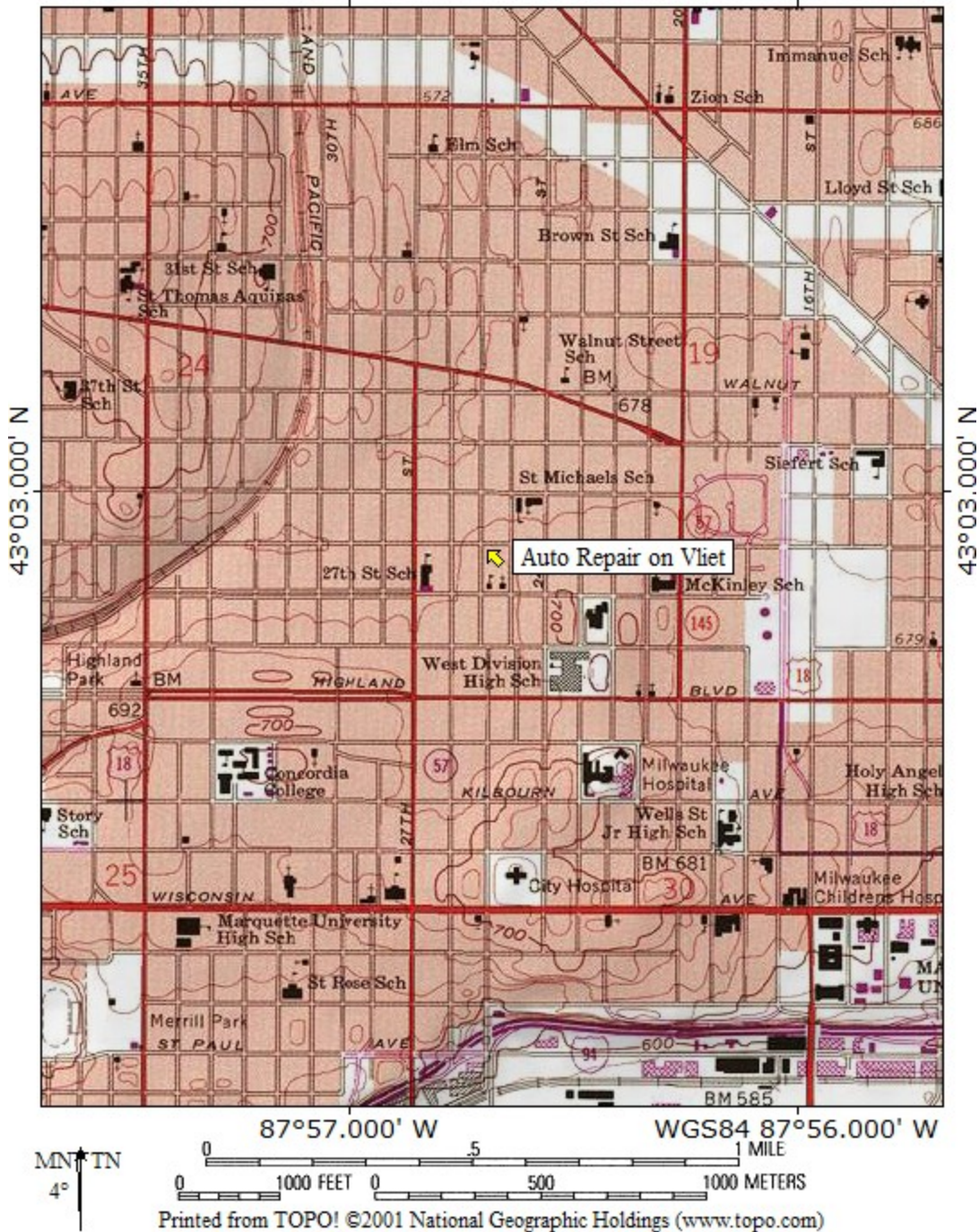
Walton, W.C., 1989, Groundwater Pumping Tests, Chelsea, Michigan.

Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

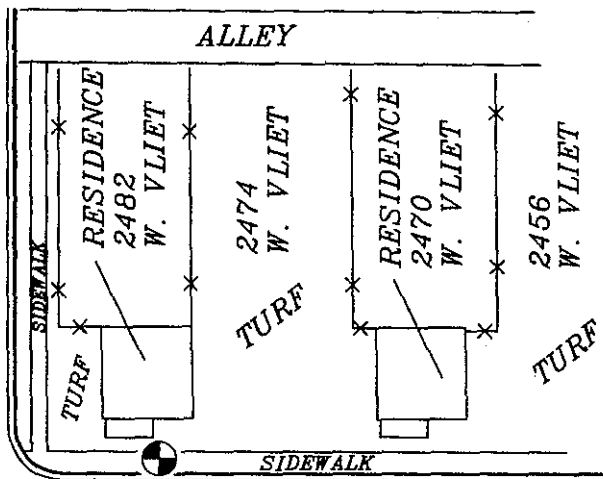
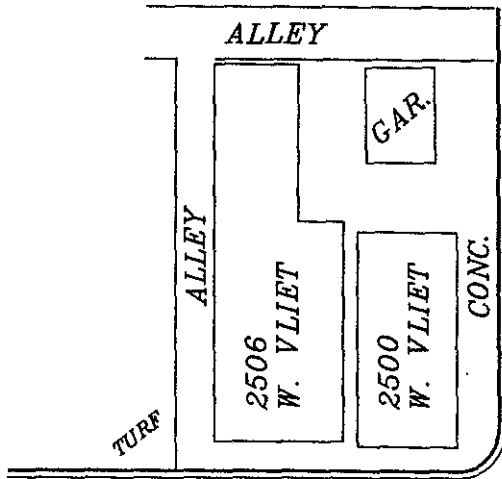
Other information and data was collected from Anna Shtivelberg, City of Milwaukee, Diggers Hotline, Geiss Soil and Samples, LLC., Fauerbach Surveying & Engineering, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

**Site Investigation Report - METCO
Auto Repair on Vliet
6.0 FIGURES**

TOPO! map printed on 08/24/16 from "Wisconsin.tpo" and "Untitled.tpg"
87°57.000' W WGS84 87°56.000' W



B.1.a LOCATION MAP
CONTOUR INTERVAL 10 FEET
AUTO REPAIR ON VLIET – MILWAUKEE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



KEY

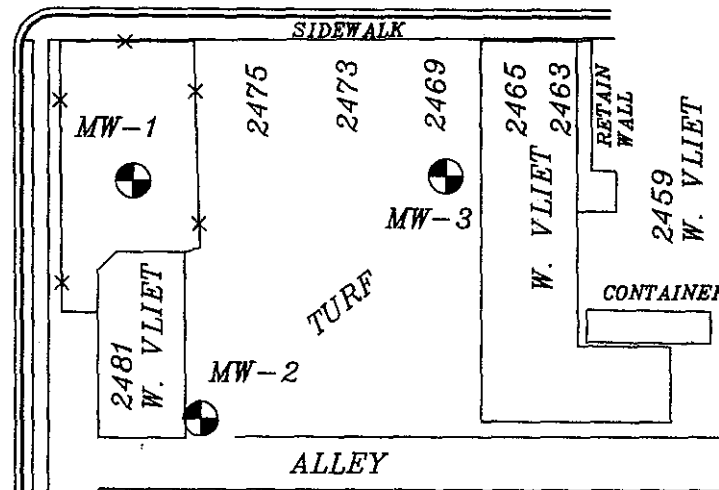
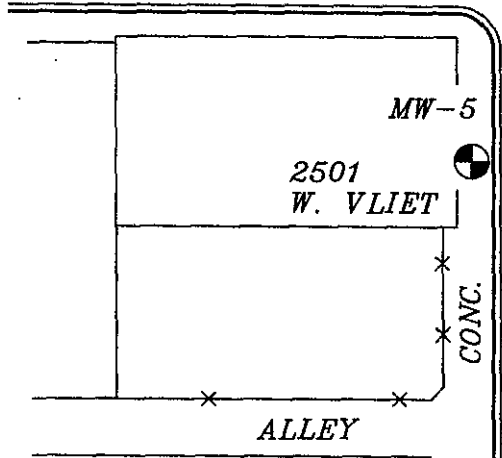
⊕ MONITORING WELL
- FLUSH TYPE

MH MANHOLE

SCALE 1" = 60'

0' 60' 120'

WEST VLIET STREET



WISCONSIN
PROFESSIONAL LAND SURVEYOR
GREGORY A. FAUERBACH
S-2169
HILLSBORO, WI
5-12-17

NORTH 25TH STREET

DRAWN BY:	GF
DATE:	5-10-17 FIELD
DWG. NO.:	52317

REVISIONS
FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363

PROJECT:	AUTO REPAIR ON VLIET 2481 WEST VLIET ST. MILWAUKEE, WI 53205
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SHEET NAME	LOCATION MAP
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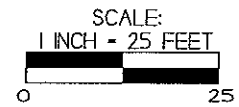
PAGE	1 OF 1
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WELL	MILWAUKEE COUNTY COORD. SYSTEM NAD83(2011)		TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
	NORTH	EAST		
MW-1	303149.03	596477.20	681.35'	680.67'
MW-2	303074.20	596498.13	683.07'	682.54'
MW-3	303149.87	596576.13	682.79'	682.35'
MW-4	303255.68	596486.41	680.70'	680.05'
MW-5	303155.06	596398.52	679.96'	679.45'

GREGORY A. FAUERBACH
 S-2169
 HILLSBORO, WI
 5-12-17

DRAWN BY: GF DATE: 5-10-17 FIELD DWG. NO.: 52317	REVISIONS <hr/> FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: AUTO REPAIR ON VLIET 2481 WEST VLIET ST. MILWAUKEE, WI 53205	SHEET NAME DATA SHEET	PAGE 1 OF 1
--	---	--	--------------------------	----------------

<p>B.1b DETAILED SITE MAP AUTO REPAIR ON VLIET</p>	
 <p>709 Gillette St. Suite 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p>	<p>MILWAUKEE WISCONSIN</p> <p>DRAWN BY: EP DATE: 6/24/16</p>

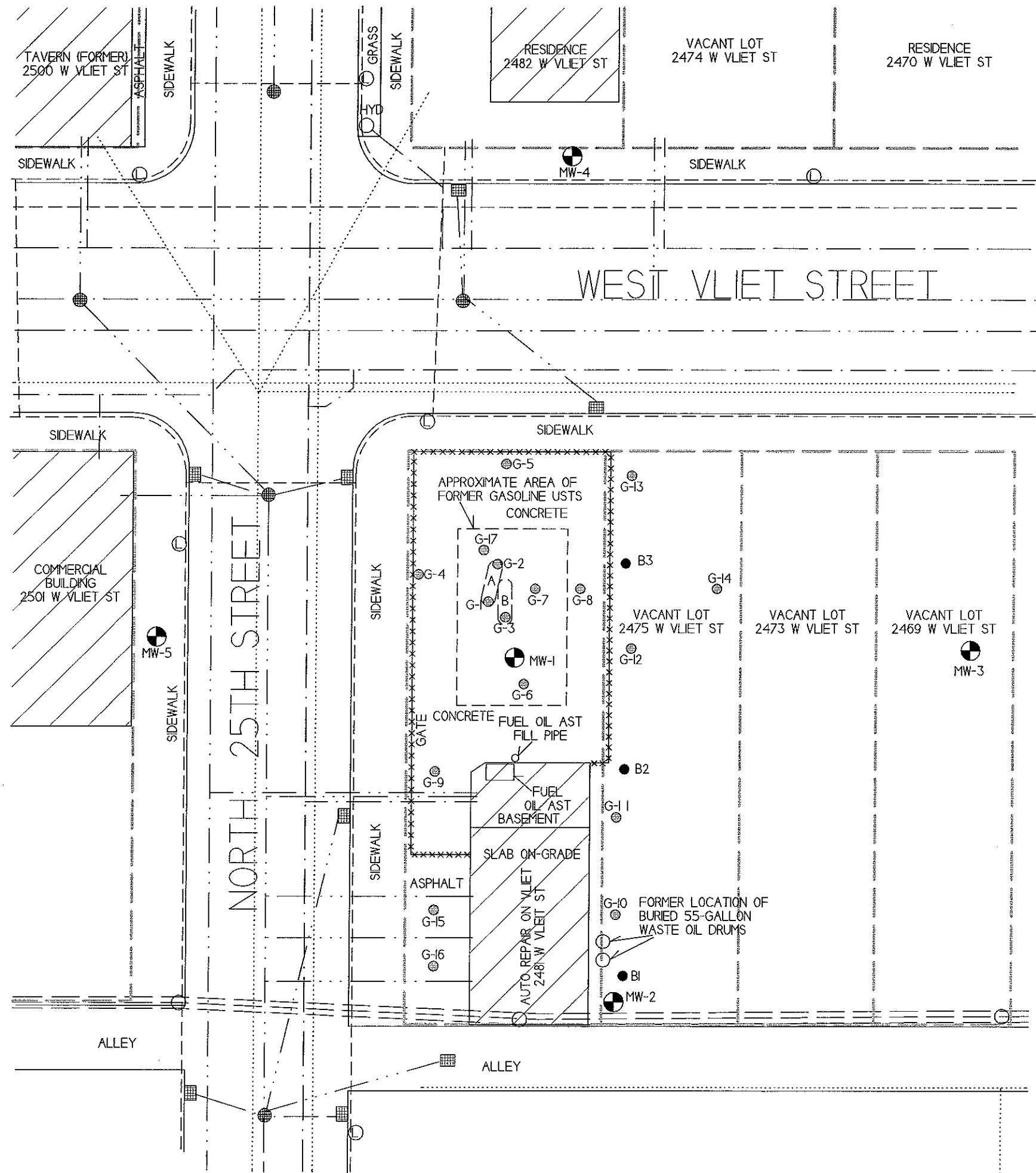


NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER


- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- ⊕ - SEWER MAN HOLE
- ⊞ - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- ⊙ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION

- - - - - PROPERTY BOUNDARY
- - - - - WATER LINE
- - - - - SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- ==== OVERHEAD UTILITIES
- - - - - TELEPHONE/CABLE LINE
- ***** FENCE




B.2.a
SOIL CONTAMINATION
AUTO REPAIR ON VLIET



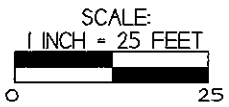
709 Gillette St, Suite 3
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Tel: (608) 781-8879
Fax: (608) 781-8893
Excellence through experience

MILWAUKEE,
WISCONSIN

DRAWN BY: ED
DATE: 8/24/16



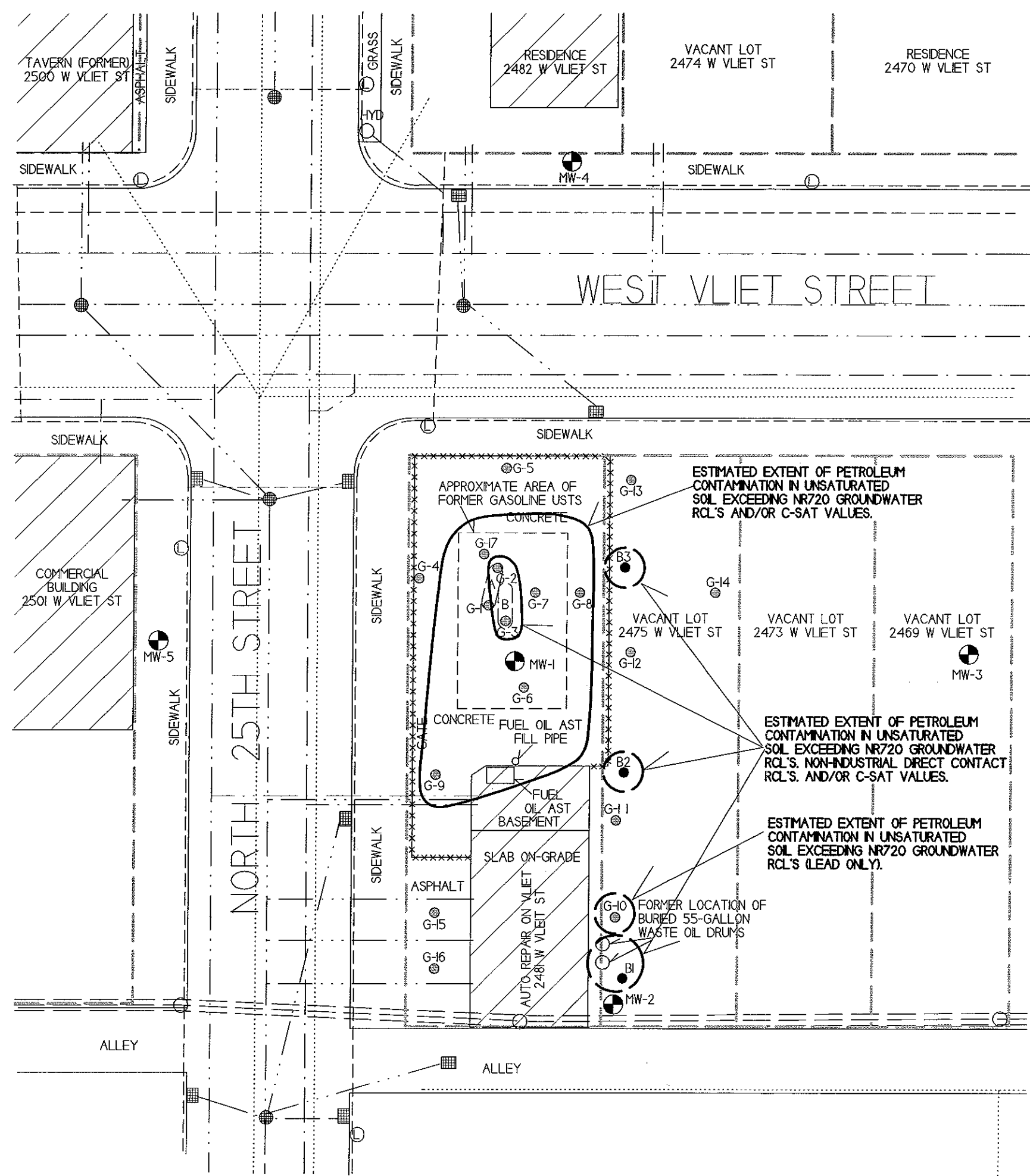
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- ⊕ - SEWER MAN HOLE
- ⊞ - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- ⊙ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION

- - PROPERTY BOUNDARY
- - WATER LINE
- - SEWER LINE
- - NATURAL GAS LINE
- - BURIED ELECTRIC LINE
- ==== - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE
- ***** - FENCE

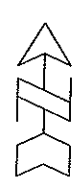


B.3.c GROUNDWATER FLOW DIRECTION (5/10/17)
AUTO REPAIR ON VLIET

MILWAUKEE, WISCONSIN
 DRAWN BY: ED
 DATE: 8/24/16

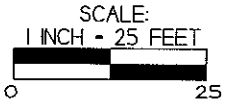
709 Gillette St. Suite 3
 La Crosse, WI 54603
 Tel: (608) 781-8879
 Fax: (608) 781-8893

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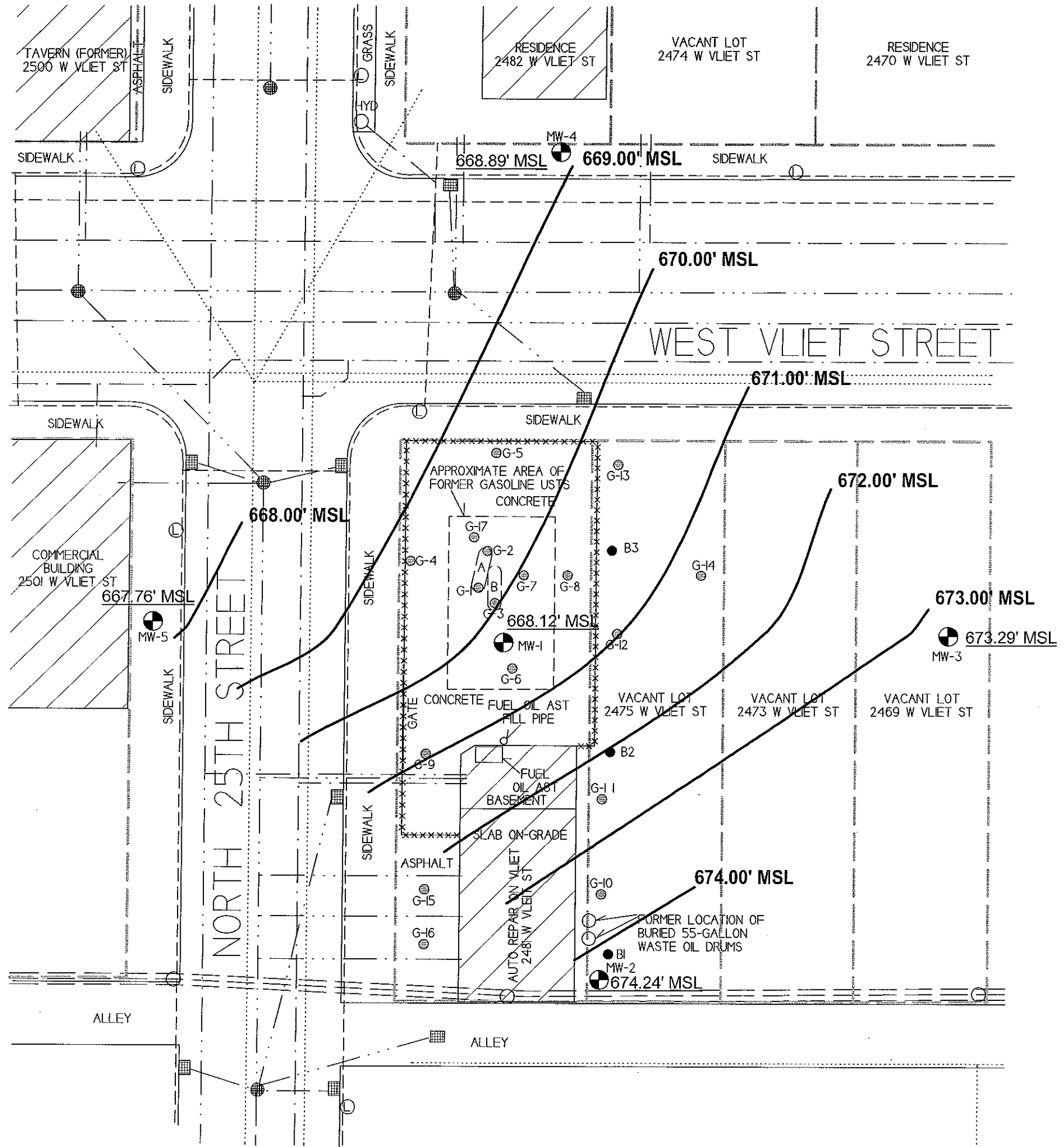
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
- B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)



- - UTILITY POLE
- ⊙ - STREET LIGHT
- ⊗ - SEWER MAN HOLE
- ▣ - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- ⊙ - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - WATER LINE
- - SEWER LINE
- - NATURAL GAS LINE
- - BURIED ELECTRIC LINE
- ==== - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE
- ***** - FENCE

NOTE: DUE TO THE PRESENCE OF FREE PRODUCT, MW-1 WAS NOT USED IN GROUNDWATER FLOW CALCULATIONS. ON 5/10/17, NO GROUNDWATER WAS RECORDED TO BE IN MW-1.



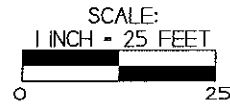
**B.3.b GROUNDWATER
ISOCONCENTRATION (5/10/17)
AUTO REPAIR ON VLIET**

**MILWAUKEE,
WISCONSIN**

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La Crosse, WI 54603
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DATE: 6/24/16



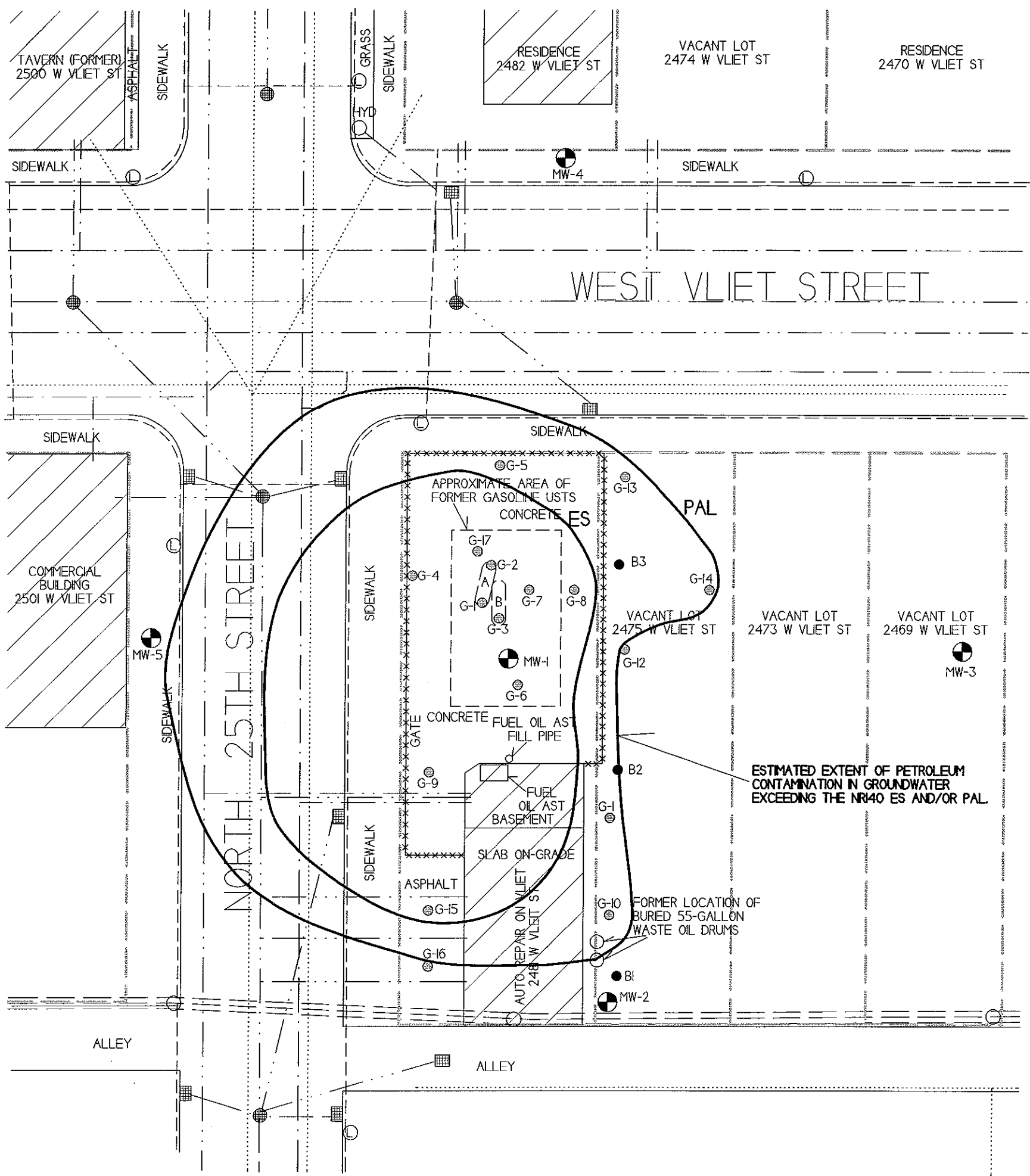
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)

B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- ⊗ - SEWER MAN HOLE
- ⊠ - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- ⊕ - GEOPROBE BORING LOCATION
- ⊗ - MONITORING WELL LOCATION

- - PROPERTY BOUNDARY
- - WATER LINE
- - SEWER LINE
- - NATURAL GAS LINE
- - BURIED ELECTRIC LINE
- ==== - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE
- ***** - FENCE



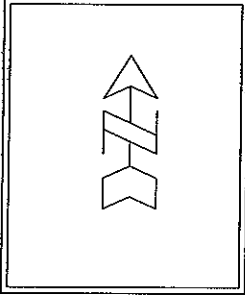
ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR40 ES AND/OR PAL

B.3.a.1 GEOLOGIC CROSS SECTION FIGURE
 AUTO REPAIR ON VLIET

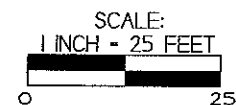


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MILWAUKEE, WISCONSIN
 DRAWN BY: ED
 DATE: 8/24/16



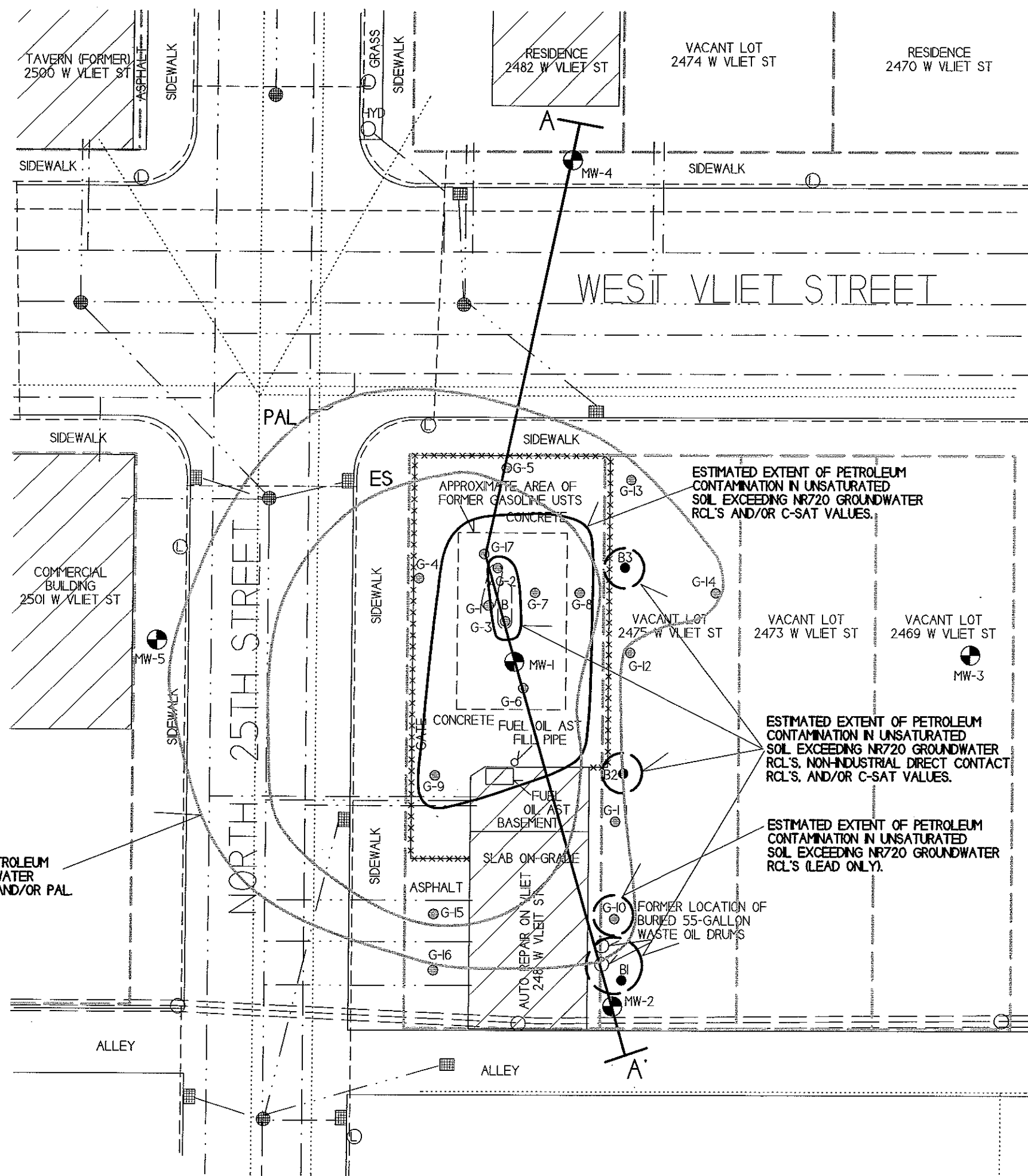
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER



A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
 B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- - UTILITY POLE
- ⊙ - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- ⊙ - GEOPROBE BORING LOCATION
- ⊙ - MONITORING WELL LOCATION

- - - - - PROPERTY BOUNDARY
- - - - - WATER LINE
- - - - - SEWER LINE
- - - - - NATURAL GAS LINE
- - - - - BURIED ELECTRIC LINE
- ==== OVERHEAD UTILITIES
- - - - - TELEPHONE/CABLE LINE
- ***** FENCE



ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S AND/OR C-SAT VALUES.

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S, NON-INDUSTRIAL DIRECT CONTACT RCL'S, AND/OR C-SAT VALUES.

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GROUNDWATER RCL'S (LEAD ONLY).

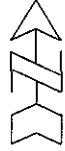
FORMER LOCATION OF BURIED 55-GALLON WASTE OIL DRUMS

B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP) AUTO REPAIR ON VLIET



799 Gillette St, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

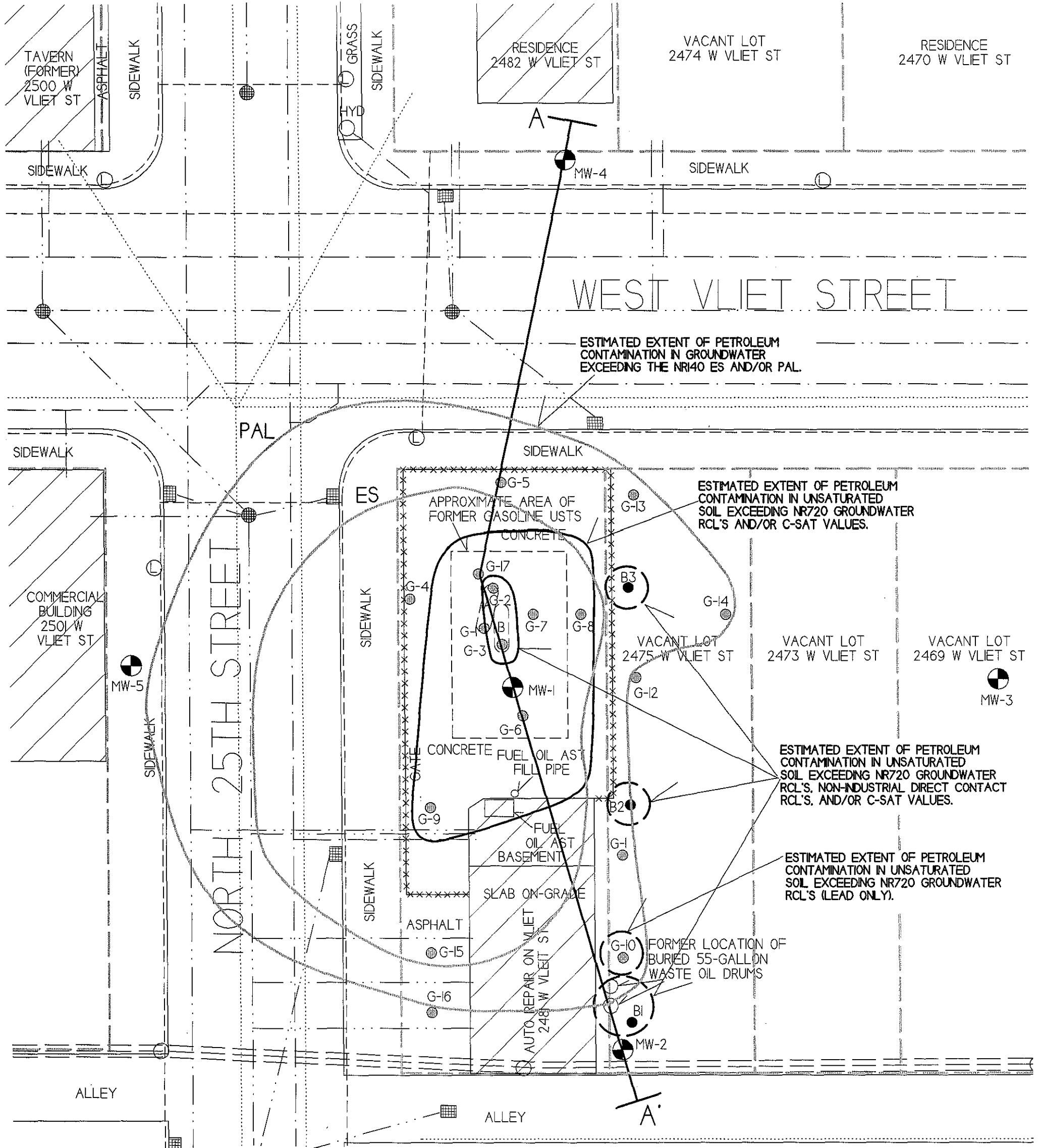
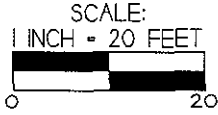
MILWAUKEE, WISCONSIN
DRAWN BY: BD
DATE: 8/24/16



- - UTILITY POLE
- - STREET LIGHT
- - SEWER MAN HOLE
- - STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)
- - GEOPROBE BORING LOCATION
- ⊕ - MONITORING WELL LOCATION
- - PROPERTY BOUNDARY
- - WATER LINE
- - SEWER LINE
- - NATURAL GAS LINE
- - BURIED ELECTRIC LINE
- ≡≡≡≡ - OVERHEAD UTILITIES
- - TELEPHONE/CABLE LINE
- ***** - FENCE

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)



B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

AUTO REPAIR ON VLIET

MILWAUKEE, WISCONSIN

705 Galleria Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8853

DRAWN BY: JJ
DATE: 7/1/17

NOTE: SOIL RESULTS SHOW DETECTS AND EXCEEDANCES THAT HAVE BEEN DOCUMENTED ON THE MAP. SEE DATA TABLES AND/OR LABORATORY REPORTS FOR ALL RESULTS

A - FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
B - FORMER PUMP ISLAND (1951 AERIAL PHOTO)

- ⊕ - MONITORING WELL LOCATION
- - GEOPROBE BORING LOCATION
- ✕ - SOIL SAMPLING LOCATION
- ▼ - WATERTABLE (BASED ON ALL-TIME LOW WATER TABLE)

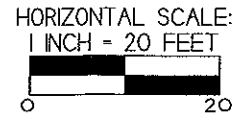
INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SOIL SAMPLE RESULTS ARE PRESENTED IN PARTS PER MILLION (PPM).

GROUNDWATER SAMPLE RESULTS ARE PRESENTED IN PARTS PER BILLION (PPB).

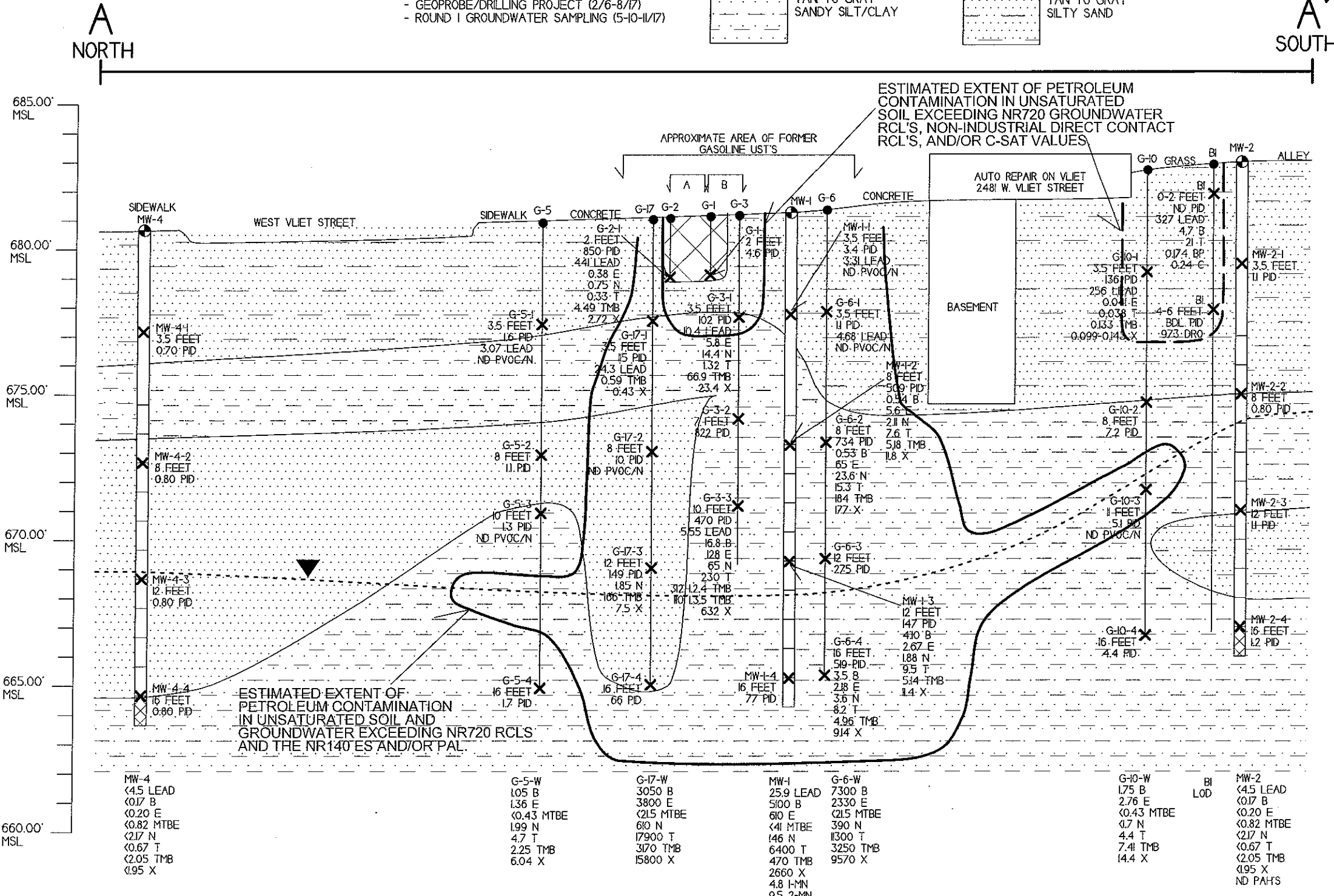
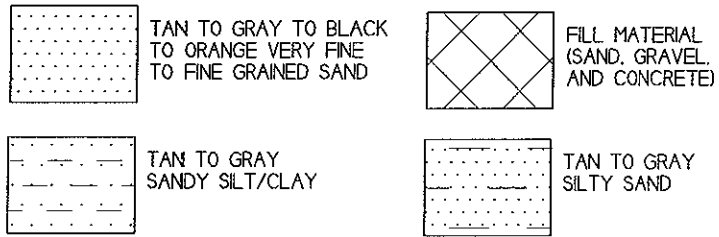
GROUNDWATER FLOW IS TOWARD THE NORTHWEST.

- ND - NO DETECT
- PID - PHOTO IONIZATION DETECTOR
- DRO - DIESEL RANGE ORGANICS
- VOC - VOLATILE ORGANIC COMPOUNDS
- B - BENZENE
- BP - BENZO(A)PYRENE
- C - CHRYSENE
- E - ETHYLBENZENE
- MTBE - METHYL-TERT-BUTYL-ETHER
- MN - METHYL-NAPHTHALENE
- N - NAPHTHALENE
- T - TOLUENE
- TMB - TRIMETHYLBENZENE
- X - XYLENE



NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:

- GILES P2ESA (8/17/01)
- GEOPROBE/DRILLING PROJECT (2/6-8/17)
- ROUND 1 GROUNDWATER SAMPLING (5-10-11/17)



Site Investigation Report - METCO

Auto Repair on Vliet

7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

A.2 Soil Analytical Results Table
Auto Repair on Vliet BRRTS #03-41-286924

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Cadmium (ppm)	Benzene (ppm)	1,2-Dichloroethane (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED						
																			Exceedance Count	Hazard Index	Cumulative Cancer Risk				
B1	0-2	U	08/17/01	BDL	327	NS	NS	NS	4.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2	0.8762	5.6E-06			
B2	0-2	U	08/17/01	BDL	87	28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2306	2.7E-06			
B3	0-2	U	08/17/01	BDL	96	25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06			
B3	4-6	U	08/17/01	BDL	NS	95	NS	NS	<0.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
G-1-1	2.0	U	02/06/17	4.6					NOT SAMPLED													NS	0		
G-2-1	2.0	U	02/06/17	850.0	441.00	NS	NS	NS	<0.03	<0.038	0.38	<0.05	0.75	0.33	3.20	1.29	2.72	NS	NS	1	1.1226	1.8E-07			
G-3-1	3.5	U	02/06/17	102.0	10.40	NS	NS	NS	<0.3	<0.38	5.80	<0.5	14.40	1.32	49.00	17.90	23.40	NS	NS	1	0.2953	3.3E-06			
G-3-2	7.0	U	02/06/17	822.0					NOT SAMPLED													NS			
G-3-3	10.0	U	02/06/17	470.0	5.55	NS	NS	NS	16.80	<1.9	128.00	<2.5	65.00	230.00	312*	110.00	632*	SEE VOC SHEET							
G-4-1	3.5	U	02/06/17	5.0	6.28	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0					
G-4-2	8.0	U	02/06/17	5.0					NOT SAMPLED													NS			
G-4-3	11.5	U	02/06/17	11.7	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS						
G-4-4	14.0	S	02/06/17	178.0					NOT SAMPLED													NS			
G-5-1	3.5	U	02/06/17	1.6	3.07	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0					
G-5-2	8.0	U	02/06/17	1.1					NOT SAMPLED													NS			
G-5-3	10.0	U	02/06/17	1.3	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS						
G-5-4	16.0	S	02/06/17	1.7					NOT SAMPLED													NS			
G-6-1	3.5	U	02/06/17	1.1	4.68	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0					
G-6-2	8.0	U	02/06/17	734.0	NS	NS	NS	NS	0.53	<0.38	65.00	<0.5	23.60	15.30	136.00	48.00	177.00	NS	NS						
G-6-3	12.0	U	02/06/17	275.0					NOT SAMPLED													NS			
G-6-4	16.0	S	02/06/17	519.0	NS	NS	NS	NS	3.50	<0.38	2.18	<0.5	3.60	8.20	3.60	1.36	9.14	NS	NS						
G-7-1	3.5	U	02/06/17	37.0	3.53	NS	NS	NS	<0.05	<0.094	<0.05	<0.094	<0.05	<0.094	<0.05	<0.094	<0.05	NS	NS	0					
G-7-2	8.0	U	02/06/17	888.0					NOT SAMPLED													NS			
G-7-3	10.0	U	02/06/17	166.0	NS	NS	NS	NS	26.30	<0.76	105.00	<1	34.00	226.00	138.00	49.00	397*	NS	NS						
G-7-4	16.0	S	02/06/17	92.0					NOT SAMPLED													NS			
G-8-1	3.5	U	02/06/17	8.4	11.50	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0					
G-8-2	8.0	U	02/06/17	5.8					NOT SAMPLED													NS			
G-8-3	11.0	U	02/06/17	809.0	NS	NS	NS	NS	7.60	<0.76	72.00	<1	49.00	98.00	196.00	67.00	383*	NS	NS						
G-8-4	16.0	S	02/06/17	131.0					NOT SAMPLED													NS			
G-9-1	3.5	U	02/06/17	5.2					NOT SAMPLED													NS			
G-9-2	8.0	U	02/06/17	35.0					NOT SAMPLED													NS			
G-9-3	10.0	U	02/06/17	649.0	NS	NS	NS	NS	7.00	<0.76	59.00	<1	42.00	56.00	120.00	46.00	212.00	NS	NS						
G-9-4	16.0	S	02/06/17	56.0					NOT SAMPLED													NS			
G-10-1	3.5	U	02/06/17	136.0	255.00	NS	NS	NS	<0.03	<0.038	0.041	<0.05	<0.094	0.038	0.098	0.035	0.099-0.143	NS	NS	0	0.6400				
G-10-2	8.0	U	02/06/17	7.2					NOT SAMPLED													NS			
G10-3	11.0	S	02/06/17	5.1	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS						
G-10-4	16.0	S	02/06/17	4.4					NOT SAMPLED													NS			
G-11-1	3.5	U	02/06/17	4.2					NOT SAMPLED													NS			
G-11-2	8.0	U	02/06/17	4.0					NOT SAMPLED													NS			
G-11-3	12.0	U	02/06/17	4.1					NOT SAMPLED													NS			
G-11-4	14.0	S	02/06/17	3.0					NOT SAMPLED													NS			
G-12-1	3.5	U	02/06/17	2.7					NOT SAMPLED													NS			
G-12-2	8.0	U	02/06/17	3.0					NOT SAMPLED													NS			
G-12-3	12.0	U	02/06/17	3.0					NOT SAMPLED													NS			
G-13-1	3.5	U	02/06/17	2.7					NOT SAMPLED													NS			
G-13-2	8.0	U	02/06/17	2.4					NOT SAMPLED													NS			
G-13-3	12.0	U	02/06/17	2.7					NOT SAMPLED													NS			
G-14-1	3.5	U	02/07/17	1.0					NOT SAMPLED													NS			
G-14-2	8.0	U	02/07/17	1.3					NOT SAMPLED													NS			
G-14-3	12.0	U	02/07/17	1.4					NOT SAMPLED													NS			
G-15-1	3.5	U	02/07/17	1.9					NOT SAMPLED													NS			
G-15-2	8.0	U	02/07/17	1.9					NOT SAMPLED													NS			
G-15-3	11.5	S	02/07/17	482.0	NS	NS	NS	NS	<0.15	<0.19	0.57	<0.25	1.44	<0.16	20.70	10.80	1.40	NS	NS						
G-15-4	16.0	S	02/07/17	2.8					NOT SAMPLED													NS			
G-16-1	3.5	U	02/07/17	1.2					NOT SAMPLED													NS			
G-16-2	8.0	U	02/07/17	1.5					NOT SAMPLED													NS			
G-16-3	12.0	S	02/07/17	1.8					NOT SAMPLED													NS			
G-16-4	16.0	S	02/07/17	1.5					NOT SAMPLED													NS			
G-17-1	3.5	U	02/07/17	115.0	24.30	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	0.43	0.16	0.43	NS	NS	0	0.0022				
G-17-2	8.0	U	02/07/17	10.0	NS	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS						
G-17-3	12.0	U	02/07/17	149.0	NS	NS	NS	NS	<0.3	<0.38	<0.35	<0.5	1.85	<0.32	79.00	87.00	7.50	NS	NS						
G-17-4	16.0	U	02/07/17	66.0					NOT SAMPLED													NS			
MW-1-1	3.5	U	02/07/17	3.4	3.31	NS	NS	NS	<0.03	<0.038	<0.035	<0.05	<0.094	<0.032	<0.025	<0.032	<0.116	NS	NS	0					
MW-1-2	8.0	U	02/07/17	509.0	NS	NS	NS	NS	0.54	<0.38	5.60	<0.5	2.11	7.60	3.90	1.28	11.80	NS	NS						
MW-1-3	12.0	U	02/07/17	147.0	NS	NS	NS	NS	4.10	<0.38	2.67	<0.5	1.88	9.50	3.80	1.34	11.40	NS	NS						
MW-1-4	16.0	S	02/07/17	77.0					NOT SAMPLED													NS			
MW-2-1	3.5	U	02/07/17	1.1					NOT SAMPLED													NS			
MW-2-2	8.0	U	02/07/17	0.8					NOT SAMPLED													NS			
MW-2-3	12.0	S	02/07/17	1.1					NOT SAMPLED													NS			
MW-2-4	16.0	S	02/07/17	1.2					NOT SAMPLED													NS			
MW-3-1	3.5	U	02/07/17	1.9					NOT SAMPLED													NS			
MW-3-2	8.0	U	02/07/17	2.0					NOT SAMPLED													NS			
MW-3-3	12.0	S	02/07/17	1.9					NOT SAMPLED													NS			
MW-3-4	16.0	S	02/07/17	2.1					NOT SAMPLED													NS			
MW-4-1	3.5	U	02/07/17	0.7					NOT SAMPLED													NS			
MW-4-2	8.0	U	02/07/17	0.8					NOT SAMPLED													NS			
MW-4-3	12.0	S	02/07/17	0.8					NOT SAMPLED													NS			
MW-4-4	16.0	S	02/07/17	0.8					NOT SAMPLED													NS			
MW-5-1	3.5	U	02/07/17	1.5					NOT SAMPLED													NS			
MW-5-2	8.0	U	02/07/17</																						

A.2 Soil Analytical Results Table
(PAH)
Auto Repair on Vliet BRRTS #03-41-286924

Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naphthalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	DIRECT CONTACT PVOC & PAH COMBINED		
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk
B-1	0-2	U	08/17/01	NS	NS	0.135	0.247	0.174	0.0298	0.116	0.277	0.24	NS	0.467	0.058	0.99	NS	NS	NS	0.559	0.549	2	0.8762	5.6E-06
B-2	0-2	U	08/17/01	NS	NS	NS	0.218	0.225	0.424	0.234	0.397	0.28	NS	0.369	NS	0.182	NS	NS	NS	0.148	0.469	1	0.2306	2.7E-06
B-3	0-2	U	08/17/01	NS	NS	NS	0.179	0.136	0.318	0.173	0.297	0.209	NS	0.356	NS	0.14	NS	NS	NS	0.156	0.404	1	0.2480	1.8E-06
Groundwater RCL				---	---	197	---	0.47	0.4793	---	---	0.145	---	88.8	14.8	---	---	---	0.6582	---	54.5			
Non-Industrial Direct Contact RCL				3590	---	17900	1.140	0.1150	1.150	---	11.50	115	0.1150	2390	2390	1.150	17.6	239	5.52	---	1790		1.00E+00	1.00E-05
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
 NS = Not Sampled NM = Not Measured
 (ppm) = parts per million ND = No Detects
 PAH = Polynuclear Aromatic Hydrocarbons
 PID = Photoionization Detector
 VOC's = Volatile Organic Compounds

A.2 Soil Analytical Results Table
 Auto Repair on Vliet BRRS #03-41-286924

Sampling Conducted on February 2, 2016

VOC's		Groundwater RCL	Underline & (Parenthesis & Bold) = Industrial Direct Contact RCL		Asteric * & Soil Saturation (C- sat) RCL
			Industrial Direct Contact RCL	Industrial Direct Contact RCL	
Sample ID#	G-3-3				
Sample Depth/ft.	10				
Solids Percent	84.2				
Benzene/ppm	16.8 "J"	0.00512	1.49	7.41	1820
Bromobenzene/ppm	< 1.25	==	354	679	==
Bromodichloromethane/ppm	< 3.7	0.000326	0.39	976	==
Bromoforn/ppm	< 1.45	0.00233	61.6	218	==
tert-Butylbenzene/ppm	< 1.3	==	183	183	183
sec-Butylbenzene/ppm	8.1	==	145	145	145
n-Butylbenzene/ppm	38	==	108	108	108
Carbon Tetrachloride/ppm	< 0.8	0.00388	0.85	4.25	==
Chlorobenzene/ppm	< 0.65	==	392	761	761
Chloroethane/ppm	< 4.55	0.227	==	==	==
Chloroform/ppm	< 1.75	0.0033	0.42	2.13	==
Chloromethane/ppm	< 3.8	0.0155	171	720	==
2-Chlorotoluene/ppm	< 0.75	==	==	==	==
4-Chlorotoluene/ppm	< 0.9	==	==	==	==
1,2-Dibromo-3-chloropropane/ppm	< 2.9	0.000173	0.01	0.099	==
Dibromochloromethane/ppm	< 1.25	0.032	0.93	4.4	==
1,4-Dichlorobenzene/ppm	< 1.85	0.144	3.48	17.5	==
1,3-Dichlorobenzene/ppm	< 1.85	1.15	297	297	297
1,2-Dichlorobenzene/ppm	< 1.4	1.17	376	376	376
Dichlorodifluoromethane/ppm	< 2.4	3.08	135	571	==
1,2-Dichloroethane/ppm	< 1.9	0.00284	0.61	3.03	540
1,1-Dichloroethane/ppm	< 1.7	0.484	4.72	23.7	==
1,1-Dichloroethene/ppm	< 1.1	0.00502	342	1190	1190
cis-1,2-Dichloroethene/ppm	< 1.6	0.0412	156	2040	==
trans-1,2-Dichloroethene/ppm	< 1.4	0.0588	211	1670	==
1,2-Dichloropropane/ppm	< 1.75	0.00332	1.33	6.62	==
2,2-Dichloropropane/ppm	< 1.85	==	527	527	527
1,3-Dichloropropane/ppm	< 1.25	==	1490	1490	1490
Di-isopropyl ether/ppm	< 0.5	==	2260	2260	2260
EDB (1,2-Dibromoethane)/ppm	< 1.15	0.0000282	0.05	3.03	==
Ethylbenzene/ppm	128	1.57	7.47	37	480
Hexachlorobutadiene/ppm	< 4.25	==	6.23	22.1	==
Isopropylbenzene/ppm	19.3	==	==	==	==
p-Isopropyltoluene/ppm	8.4	==	162	162	162
Methylene chloride/ppm	< 7.5	0.00256	60.7	1070	==
Methyl tert-butyl ether (MTBE)/ppm	< 2.5	0.027	59.4	293	8870
Naphthalene/ppm	65	0.659	5.15	26	==
n-Propylbenzene/ppm	43	==	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 1.4	0.000156	0.75	3.69	==
1,1,1,2-Tetrachloroethane/ppm	< 1.4	0.0533	2.59	12.9	==
Tetrachloroethene (PCE)/ppm	< 1.6	0.00454	30.7	153	==
Toluene/ppm	230	1.11	818	818	818
1,2,4-Trichlorobenzene/ppm	< 3.2	0.408	22.1	98.7	==
1,2,3-Trichlorobenzene/ppm	< 3.3	==	48.9	493	==
1,1,1-Trichloroethane/ppm	< 1.5	0.14	==	==	==
1,1,2-Trichloroethane/ppm	< 1.65	0.00324	1.48	7.34	==
Trichloroethene (TCE)/ppm	< 2.05	0.00358	0.64	8.81	==
Trichlorofluoromethane/ppm	< 2.05	==	1120	1230	1230
1,2,4-Trimethylbenzene/ppm	312*	1.38	89.8	219	219
1,3,5-Trimethylbenzene/ppm	110	==	182	182	182
Vinyl Chloride/ppm	< 0.95	0.000138	0.07	2.03	==
m&p-Xylene/ppm	450*	3.94	258	258	258
o-Xylene/ppm	182	==	==	==	==

NS = not sampled, NM = Not Measured

(ppm) = parts per million

== No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

**A.1 Groundwater Analytical Table
(Geoprobe)
Auto Repair on Vliet BRRTS #03-41-286924**

Sample ID	Date	Lead (ppb)	DRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)	
B1	08/17/01	NS	NS	LOD = Below Detected Between the Laboratory Detection Limit and Quantitation Limit							
B3	08/17/01	NS	NS	4.7	NS	NS	NS	21	NS	NS	
G-4-W	02/06/17	NS	NS	7600	3400	<86	470	20500	1860	14100	
G-5-W	02/06/17	NS	NS	1.05	1.36	<0.43	1.99	4.7	2.25	6.04	
G-6-W	02/06/17	NS	NS	7300	2330	<21.5	390	11300	3250	9570	
G-7-W	02/06/17	NS	NS	2430	1140	<21.5	233	4500	1041	4270	
G-8-W	02/06/17	NS	NS	5800	910	<21.5	253	7500	1068	4260	
G-9-W	02/06/17	NS	NS	1790	890	<21.5	246	3500	957	3600	
G-10-W	02/06/17	NS	NS	1.75	2.76	<0.43	<1.7	4.4	7.41	14.4	
G-11-W	02/06/17	NS	NS	1.85	0.61	<0.43	<1.7	4.0	1.35-1.93	2.71	
G-12-W	02/06/17	NS	NS	<1.35	<2.8	<2.15	<8.5	<1.65	<5.7	<8.55	
G-13-W	02/06/17	NS	NS	4.1	19.6	<0.43	<1.7	18.3	8.36	39.6	
G-14-W	02/07/17	NS	NS	0.88	<0.56	<0.43	<1.7	0.94	<1.14	<1.71	
G-15-W	02/07/17	NS	NS	5.7	3.8	<2.15	<8.5	14.9	20.8	13.9	
G-16-W	02/07/17	NS	NS	<1.35	<2.8	<2.15	<8.5	<1.65	<5.7	<8.55	
G-17-W	02/07/17	NS	NS	3050	3800	<21.5	610	17900	3170	15800	
ENFORCE MENT STANDARD ES = Bold		15	-	5	700	60	100	800	480	2000	
PREVENTIVE ACTION LIMIT PAL = Italics		<i>1.5</i>	<i>-</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>	

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
 Auto Repair on Vliet BRRS #03-41-286924

Well Sampling Conducted on: 05/10/17 05/10/17 05/10/17 05/10/17 05/10/17

VOC's

Well Name	MW-1	MW-2	MW-3	MW-4	MW-5
Lead/ppb	25.9	< 4.5	< 4.5	< 4.5	< 4.5
Benzene/ppb	5100	< 0.17	< 0.17	< 0.17	< 0.17
Bromobenzene/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43
Bromodichloromethane/ppb	< 15.5	< 0.31	< 0.31	< 0.31	< 0.31
Bromoform/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49
tert-Butylbenzene/ppb	< 19.5	< 0.39	< 0.39	< 0.39	< 0.39
sec-Butylbenzene/ppb	< 12	< 0.24	< 0.24	< 0.24	< 0.24
n-Butylbenzene/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34
Carbon Tetrachloride/ppb	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21
Chlorobenzene/ppb	< 13.5	< 0.27	< 0.27	< 0.27	< 0.27
Chloroethane/ppb	< 25	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform/ppb	< 48	< 0.96	< 0.96	< 0.96	< 0.96
Chloromethane/ppb	213	< 1.3	< 1.3	< 1.3	< 1.3
2-Chlorotoluene/ppb	< 18	< 0.36	< 0.36	< 0.36	< 0.36
4-Chlorotoluene/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dibromo-3-chloropropane/ppb	< 94	< 1.88	< 1.88	< 1.88	< 1.88
Dibromochloromethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45
1,4-Dichlorobenzene/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42
1,3-Dichlorobenzene/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34
Dichlorodifluoromethane/ppb	< 19	< 0.38	< 0.38	< 0.38	< 0.38
1,2-Dichloroethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45
1,1-Dichloroethane/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42
1,1-Dichloroethene/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46
cis-1,2-Dichloroethene/ppb	< 20.5	< 0.41	< 0.41	< 0.41	< 0.41
trans-1,2-Dichloroethene/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane/ppb	< 19.5	< 0.39	< 0.39	< 0.39	< 0.39
1,3-Dichloropropane/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49
trans-1,3-Dichloropropene	< 21	< 0.42	< 0.42	< 0.42	< 0.42
cis-1,3-Dichloropropene	< 10.5	< 0.21	< 0.21	< 0.21	< 0.21
Di-isopropyl ether/ppb	< 13	< 0.26	< 0.26	< 0.26	< 0.26
EDB (1,2-Dibromoethane)/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34
Ethylbenzene/ppb	610	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobutadiene/ppb	< 73.5	< 1.47	< 1.47	< 1.47	< 1.47
Isopropylbenzene/ppb	47	< 0.29	< 0.29	< 0.29	< 0.29
p-Isopropyltoluene/ppb	< 14	< 0.28	< 0.28	< 0.28	< 0.28
Methylene chloride/ppb	< 47	< 0.94	< 0.94	< 0.94	< 0.94
Methyl tert-butyl ether (MTBE)/ppb	< 41	< 0.82	< 0.82	< 0.82	5.1
Naphthalene/ppb	146 "J"	< 2.17	< 2.17	< 2.17	< 2.17
n-Propylbenzene/ppb	51	< 0.19	< 0.19	< 0.19	< 0.19
1,1,2,2-Tetrachloroethane/ppb	< 34.5	< 0.69	< 0.69	< 0.69	< 0.69
1,1,1,2-Tetrachloroethane/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 0.47
Tetrachloroethene (PCE)/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48
Toluene/ppb	6400	< 0.67	< 0.67	< 0.67	< 0.67
1,2,4-Trichlorobenzene/ppb	< 64.5	< 1.29	< 1.29	< 1.29	< 1.29
1,2,3-Trichlorobenzene/ppb	< 41.5	< 0.83	< 0.83	< 0.83	< 0.83
1,1,1-Trichloroethane/ppb	< 17.5	< 0.35	< 0.35	< 0.35	< 0.35
1,1,2-Trichloroethane/ppb	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65
Trichloroethene (TCE)/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45
Trichlorofluoromethane/ppb	< 32	< 0.64	< 0.64	< 0.64	< 0.64
1,2,4-Trimethylbenzene/ppb	360	< 1.14	< 1.14	< 1.14	< 1.14
1,3,5-Trimethylbenzene/ppb	110 "J"	< 0.91	< 0.91	< 0.91	< 0.91
Vinyl Chloride/ppb	< 9.5	< 0.19	< 0.19	< 0.19	< 0.19
m&p-Xylene/ppb	1760	< 1.56	< 1.56	< 1.56	< 1.56
o-Xylene/ppb	900	< 0.39	< 0.39	< 0.39	< 0.39

ENFORCEMENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
15	1.5
5	0.5
==	==
0.6	0.06
4.4	0.44
==	==
==	==
==	==
5	0.5
==	==
400	80
6	0.6
30	3
==	==
==	==
0.2	0.02
60	6
75	15
600	120
600	60
1000	200
5	0.5
850	85
7	0.7
70	7
100	20
5	0.5
==	==
==	==
==	==
0.05	0.005
700	140
==	==
==	==
==	==
5	0.5
60	12
100	10
==	==
0.2	0.02
70	7
5	0.5
800	160
70	14
==	==
200	40
5	0.5
5	0.5
==	==
Total TMB's 480	Total TMB's 96
0.2	0.02
Total Xylenes 2000	Total Xylenes 400

NS = not sampled, NM = Not Measured
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
 == No Exceedences
 (ppb) = parts per billion
 (ppm) = parts per million
 "J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-1

PVC Elevation = 680.67 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/10/17	668.12	12.55	25.9	5100	610	<41	146	6400	470	2660
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

PVC Elevation = 682.54 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/10/17	674.24	8.30	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

PVC Elevation = 682.35 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/10/17	673.29	9.06	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-4

PVC Elevation = 680.05 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/10/17	668.89	11.16	<4.5	<0.17	<0.2	<0.82	<2.17	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

PVC Elevation = 679.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/10/17	667.76	11.69	<4.5	<0.17	<0.2	5.1	<2.17	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured
 Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
(PAH)
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-1

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	<0.16	<0.19	<0.19	<0.17	<0.2	<0.18	<0.25	<0.16	<0.2	<0.25	<0.17	<0.21	<0.23	4.80	9.50	46	<0.25	<0.2
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	<0.016	<0.019	<0.019	<0.017	<0.02	<0.018	<0.025	<0.016	<0.02	<0.025	<0.017	<0.021	<0.023	<0.024	<0.024	<0.025	<0.025	<0.02
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table

(PAH)

Auto Repair on Vliet BRRTS #03-41-286924

Well MW-4

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
05/10/17	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Auto Repair on Vliet BRRTS #03-41-286924

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	0.96	6.84	34.00	10.50	1027.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES -- Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	0.61	7.35	241.00	11.20	748.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES -- Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	2.92	7.28	284.00	12.80	595.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES -- Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
 Groundwater NA Indicator Results
 Auto Repair on Vliet BRRTS #03-41-286924

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	1.22	7.43	262.00	12.60	582.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/10/17	1.33	7.46	235.00	13.90	1744.00	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.6 Water Level Elevations
Auto Repair on Vliet BRRTS #03-41-286924
Milwaukee, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5
Ground Surface (feet msl)	681.35	683.07	682.79	680.70	679.96
PVC top (feet msl)	680.67	682.54	682.35	680.05	679.45
Well Depth (feet)	17.00	16.00	17.00	17.00	17.00
Top of screen (feet msl)	674.35	677.07	675.79	673.70	672.96
Bottom of screen (feet msl)	664.35	667.07	665.79	663.70	662.96
Depth to Water From Top of PVC (feet)					
05/10/17	12.55	8.30	9.06	11.16	11.69
Depth to Water From Ground Surface (feet)					
05/10/17	13.23	8.83	9.50	11.81	12.20
Groundwater Elevation (feet msl)					
05/10/17	668.12	674.24	673.29	668.89	667.76

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

A.7 Other
 Auto Repair on Vliet
 Free Product Recovery -- By METCO

DATE		MW-1	GALS REC./PERIOD	TOT GALS RECOVERED
02/16/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	3 No Sock 0.262	0.26	0.26
05/10/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	36 No Sock 4.79	4.79	5.05
05/11/17	Inches of FP Gals Rec. w/ Absorbent Sock Gals Rec. w/ Bailer	8 No Sock 0.497	0.50	5.55

**Site Investigation Report - METCO
Auto Repair on Vliet
8.0 PHOTOS**

Photos

Photo #1: Looking northeast.



Photo #2: Looking south.



Photo #3: Looking south.



Photo #4: Looking southwest.



Site Investigation Report - METCO
Auto Repair on Vliet
APPENDIX A/ METHODS OF INVESTIGATION

Site Investigation Report - METCO Auto Repair on Vliet Geoprobe Project

Geoprobe sampling was completed by Geiss Soil and Samples LLC. of Merrill, Wisconsin, under the supervision of METCO personnel. The Geoprobe consists of a truck or track-mounted, hydraulically driven unit that advances interconnected, 1-inch diameter, 4 foot long, and stainless steel rods into the subsurface.

Field observations such as soil characteristics, petroleum odors, and petroleum staining associated with all the collected samples were continuously noted throughout sampling. All Geoprobe holes were properly abandoned to ground level using bentonite clay.

The purpose of the Geoprobe Project was to cost effectively determine, if the released contaminants have impacted the soil and groundwater, and determine the general extent of contamination along those mediums. This collected information would then be used to guide the Drilling Project, if required.

Geoprobe Soil Sampling

The procedure consisted of advancing an assembled stainless steel sampler to the top of the interval to be sampled. A stop-pin was then removed, and the sampler driven until filled. The rods were retracted from the hole and the sample recovered.

Geoprobe Groundwater Sampling

This procedure consisted of advancing a stainless steel, mill slotted well point into the watertable interface. Disposable, flexible, ¼ inch diameter polyethylene tubing was then introduced through the steel rods and down to the watertable interface. A hand-held pump was used to slowly draw an undisturbed water sample into the polyethylene tube, which was then removed from the steel rods and the water sample immediately placed into sampling containers.

Drilling Project

Soil borings were conducted by Geiss Soil and Samples LLC. of Merrill, Wisconsin, under the supervision of METCO personnel. Using a truck or track-mounted auger drill rig, all borings were completed in accordance with ASTM D-1452, "Soil Investigation and Sampling by Auger Boring," using 4.25-inch, inside-diameter (ID) hollow stem augers. Soil sampling was conducted using a Geoprobe. Using this procedure an assembled stainless steel sampler is advanced to the top of the interval to be sampled, a stop-pin is then removed, and the sampler driven until filled.

Field observations such as soil characteristics, petroleum odors, and petroleum staining were continuously noted throughout the drilling process.

Site Investigation Report - METCO Auto Repair on Vliet

The purpose of the Drilling Project and subsequent well installation/sampling was to investigate subsurface conditions and characteristics, verify the extent of petroleum contamination in local soil and groundwater, and collect aquifer data.

Field Screening

Selected soil samples were scanned with a Model DL102 HNU Photo-ionization Meter equipped with a 10.6 eV lamp. Metered calibrations were done at the beginning of each workday using an isobutylene standard. A quart sized Ziploc bag was filled, by gloved hand, one-third full with the sample. The Ziploc bags were sealed and shaken vigorously for 30 seconds. Headspace development was established by allowing the sample to rest for at least 15 minutes. If ambient temperatures are below 70 degrees Fahrenheit, headspace development takes place in a heated environment, which allows the sample enough time to establish satisfactory headspace. To take readings, the HNU probe was inserted through the Ziploc seal and the highest meter response recorded.

Throughout the field projects the HNU Meter did not encounter any vast temperature or humidity changes, malfunctions, repairs, or any other obvious interferences that would affect its results.

Monitoring Well Installation, Development, and Sampling

Monitoring well installation was completed by Geiss Soil and Samples LLC. under the supervision of METCO personnel and done in accordance with Wisconsin Department of Natural Resources Chapter NR141, "Groundwater Monitoring Well Requirements." The monitoring wells were constructed of flush threaded, 2-inch inside-diameter schedule 40 polyvinyl chloride (PVC) piping. Ten-foot well screens with 0.010-inch slots were installed partially into the groundwater, with the watertable intersecting the screen. Uniform washed sand was installed around the well screens to serve as a filter pack. Bentonite was used above the filter pack to provide an annular space seal.

Locking watertight caps along with steel flush-mounted covers were installed with the wells for protection. Monitoring Well Construction Forms and a Groundwater Monitoring Well Information Form are presented in Appendix C.

The monitoring wells were surveyed by Fauerbach Surveying & Engineering of Hillsboro, Wisconsin. Measurements were recorded in feet mean sea level.

Each well was alternately surged and purged by METCO personnel with a bottom loading, disposable, polyethylene bailer for 15-20 minutes to remove fines from the well screen. Approximately 7.5-45 gallons of groundwater was then removed with a small electrical submersible pump. Well Development Forms are presented in Appendix C.

Site Investigation Report - METCO Auto Repair on Vliet

Groundwater samples for laboratory analysis were collected using a bottom loading, disposable, polyethylene bailer and disposable, polyethylene twine. A minimum of four well volumes was purged from the well immediately before sampling.

Field observations such as color, turbidity, petroleum odors, and petroleum sheens associated with the collected samples were continuously noted throughout sampling.

Sample Preparation

The volume of sample, size of container, and type of sample preservation was dependent on the specific parameter for which the sample was to be analyzed. Parameter specific information is presented in the LUST Sample Guidelines located in Appendix E.

Field Sampling and Transportation Quality Control

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

Laboratory Quality Control

See Appendix B for the results of any field blanks, trip blanks, temperature blanks, lab spikes, split samples, replicate spikes, and duplicates.

Investigative Wastes

On March 29, 2017, DKS Transport Services, LLC, of Menomonie, Wisconsin picked-up and disposed of five drums of soil cuttings and one drum of purge water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Site Investigation Report - METCO

Auto Repair on Vliet

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

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

RAISA BEYDER
RAISA BEYDER
242 E. RAVINE BAY ROAD
BAYSIDE, WI 53217

Report Date 20-Feb-17

Project Name AUTO REPAIR ON VLIET
Project #

Invoice # E32453

Lab Code 5032453A
Sample ID METH BLANK
Sample Matrix Soil
Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021	2/15/2017	2/15/2017	TCC	1

Project #

Lab Code 5032453B
 Sample ID G-2-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.8	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	441	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/16/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/16/2017	CJR	1
Ethylbenzene	0.38	mg/kg	0.035	0.11	1	8260B		2/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/16/2017	CJR	1
Naphthalene	0.75	mg/kg	0.094	0.3	1	8260B		2/16/2017	CJR	1
Toluene	0.33	mg/kg	0.032	0.1	1	8260B		2/16/2017	CJR	1
1,2,4-Trimethylbenzene	3.2	mg/kg	0.025	0.08	1	8260B		2/16/2017	CJR	1
1,3,5-Trimethylbenzene	1.29	mg/kg	0.032	0.1	1	8260B		2/16/2017	CJR	1
m&p-Xylene	1.9	mg/kg	0.072	0.23	1	8260B		2/16/2017	CJR	1
o-Xylene	0.82	mg/kg	0.044	0.14	1	8260B		2/16/2017	CJR	1

Lab Code 5032453C
 Sample ID G-3-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	10.4	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.3	mg/kg	0.3	9.6	10	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.38	mg/kg	0.38	1.2	10	8260B		2/13/2017	CJR	1
Ethylbenzene	5.8	mg/kg	0.35	1.1	10	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5	1.6	10	8260B		2/13/2017	CJR	1
Naphthalene	14.4	mg/kg	0.94	3	10	8260B		2/13/2017	CJR	1
Toluene	1.32	mg/kg	0.32	1	10	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	49	mg/kg	0.25	0.8	10	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	17.9	mg/kg	0.32	1	10	8260B		2/13/2017	CJR	1
m&p-Xylene	19.4	mg/kg	0.72	2.3	10	8260B		2/13/2017	CJR	1
o-Xylene	4.0	mg/kg	0.44	1.4	10	8260B		2/13/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453D
 Sample ID G-3-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.2	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	5.55	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
VOC's										
Benzene	16.8 "I"	mg/kg	1.5	4.8	50	8260B		2/18/2017	CJR	1
Bromobenzene	< 1.25	mg/kg	1.25	4.05	50	8260B		2/18/2017	CJR	1
Bromodichloromethane	< 3.7	mg/kg	3.7	12	50	8260B		2/18/2017	CJR	1
Bromoform	< 1.45	mg/kg	1.45	4.6	50	8260B		2/18/2017	CJR	1
tert-Butylbenzene	< 1.3	mg/kg	1.3	4.2	50	8260B		2/18/2017	CJR	1
sec-Butylbenzene	8.1	mg/kg	1.65	5	50	8260B		2/18/2017	CJR	1
n-Butylbenzene	38	mg/kg	2	6.5	50	8260B		2/18/2017	CJR	1
Carbon Tetrachloride	< 0.8	mg/kg	0.8	2.65	50	8260B		2/18/2017	CJR	1
Chlorobenzene	< 0.65	mg/kg	0.65	2	50	8260B		2/18/2017	CJR	1
Chloroethane	< 4.55	mg/kg	4.55	14.5	50	8260B		2/18/2017	CJR	1
Chloroform	< 1.75	mg/kg	1.75	5.5	50	8260B		2/18/2017	CJR	1
Chloromethane	< 3.8	mg/kg	3.8	12	50	8260B		2/18/2017	CJR	1
2-Chlorotoluene	< 0.75	mg/kg	0.75	2.35	50	8260B		2/18/2017	CJR	1
4-Chlorotoluene	< 0.9	mg/kg	0.9	2.85	50	8260B		2/18/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 2.9	mg/kg	2.9	9	50	8260B		2/18/2017	CJR	1
Dibromochloromethane	< 1.25	mg/kg	1.25	3.95	50	8260B		2/18/2017	CJR	1
1,4-Dichlorobenzene	< 1.85	mg/kg	1.85	6	50	8260B		2/18/2017	CJR	1
1,3-Dichlorobenzene	< 1.85	mg/kg	1.85	6	50	8260B		2/18/2017	CJR	1
1,2-Dichlorobenzene	< 1.4	mg/kg	1.4	4.4	50	8260B		2/18/2017	CJR	1
Dichlorodifluoromethane	< 2.4	mg/kg	2.4	7.5	50	8260B		2/18/2017	CJR	1
1,2-Dichloroethane	< 1.9	mg/kg	1.9	6	50	8260B		2/18/2017	CJR	1
1,1-Dichloroethane	< 1.7	mg/kg	1.7	5.5	50	8260B		2/18/2017	CJR	1
1,1-Dichloroethene	< 1.1	mg/kg	1.1	3.45	50	8260B		2/18/2017	CJR	1
cis-1,2-Dichloroethene	< 1.6	mg/kg	1.6	5	50	8260B		2/18/2017	CJR	1
trans-1,2-Dichloroethene	< 1.4	mg/kg	1.4	4.5	50	8260B		2/18/2017	CJR	1
1,2-Dichloropropane	< 1.75	mg/kg	1.75	5.5	50	8260B		2/18/2017	CJR	1
2,2-Dichloropropane	< 1.85	mg/kg	1.85	6	50	8260B		2/18/2017	CJR	1
1,3-Dichloropropane	< 1.25	mg/kg	1.25	3.95	50	8260B		2/18/2017	CJR	1
Di-isopropyl ether	< 0.5	mg/kg	0.5	1.6	50	8260B		2/18/2017	CJR	1
EDB (1,2-Dibromoethane)	< 1.15	mg/kg	1.15	3.6	50	8260B		2/18/2017	CJR	1
Ethylbenzene	128	mg/kg	1.75	5.5	50	8260B		2/18/2017	CJR	1
Hexachlorobutadiene	< 4.25	mg/kg	4.25	13.5	50	8260B		2/18/2017	CJR	1
Isopropylbenzene	19.3	mg/kg	1.7	5.5	50	8260B		2/18/2017	CJR	1
p-Isopropyltoluene	8.4	mg/kg	1.45	4.65	50	8260B		2/18/2017	CJR	1
Methylene chloride	< 7.5	mg/kg	7.5	23	50	8260B		2/18/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.5	mg/kg	2.5	8	50	8260B		2/18/2017	CJR	1
Naphthalene	65	mg/kg	4.7	15	50	8260B		2/18/2017	CJR	1
n-Propylbenzene	43	mg/kg	1.65	5	50	8260B		2/18/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 1.4	mg/kg	1.4	44	50	8260B		2/18/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 1.4	mg/kg	1.4	4.5	50	8260B		2/18/2017	CJR	1
Tetrachloroethene	< 1.6	mg/kg	1.6	5	50	8260B		2/18/2017	CJR	1
Toluene	230	mg/kg	1.6	5	50	8260B		2/18/2017	CJR	1
1,2,4-Trichlorobenzene	< 3.2	mg/kg	3.2	10	50	8260B		2/18/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453D
 Sample ID G-3-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 3.3	mg/kg	3.3	10.5	50	8260B		2/18/2017	CJR	1
1,1,1-Trichloroethane	< 1.5	mg/kg	1.5	48	50	8260B		2/18/2017	CJR	1
1,1,2-Trichloroethane	< 1.65	mg/kg	1.65	5.5	50	8260B		2/18/2017	CJR	1
Trichloroethene (TCE)	< 2.05	mg/kg	2.05	6.5	50	8260B		2/18/2017	CJR	1
Trichlorofluoromethane	< 2.05	mg/kg	2.05	6.5	50	8260B		2/18/2017	CJR	1
1,2,4-Trimethylbenzene	312	mg/kg	1.25	4	50	8260B		2/18/2017	CJR	1
1,3,5-Trimethylbenzene	110	mg/kg	1.6	5	50	8260B		2/18/2017	CJR	1
Vinyl Chloride	< 0.95	mg/kg	0.95	3.1	50	8260B		2/18/2017	CJR	1
m&p-Xylene	450	mg/kg	3.6	11.5	50	8260B		2/18/2017	CJR	1
o-Xylene	182	mg/kg	2.2	7	50	8260B		2/18/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			50	8260B		2/18/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			50	8260B		2/18/2017	CJR	1
SUR - Dibromofluoromethane	95	Rec %			50	8260B		2/18/2017	CJR	1
SUR - Toluene-d8	111	Rec %			50	8260B		2/18/2017	CJR	1

Lab Code 5032453E
 Sample ID G-4-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.7	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	6.28	mg/Kg	1.7	5.8	10	6010B		2/17/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453F
 Sample ID G-4-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.9	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Lab Code 5032453G
 Sample ID G-5-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.2	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	3.07	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453H
 Sample ID G-5-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.6	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Lab Code 5032453I
 Sample ID G-6-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.9	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	4.68	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453J
 Sample ID G-6-2
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.6	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	0.53 "J"	mg/kg	0.3	9.6	10	8260B		2/14/2017	CJR	1
1,2-Dichloroethane	< 0.38	mg/kg	0.38	1.2	10	8260B		2/14/2017	CJR	1
Ethylbenzene	65	mg/kg	0.35	1.1	10	8260B		2/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5	1.6	10	8260B		2/14/2017	CJR	1
Naphthalene	23.6	mg/kg	0.94	3	10	8260B		2/14/2017	CJR	1
Toluene	15.3	mg/kg	0.32	1	10	8260B		2/14/2017	CJR	1
1,2,4-Trimethylbenzene	136	mg/kg	1.25	4	50	8260B		2/16/2017	CJR	1
1,3,5-Trimethylbenzene	48	mg/kg	0.32	1	10	8260B		2/14/2017	CJR	1
m&p-Xylene	129	mg/kg	0.72	2.3	10	8260B		2/14/2017	CJR	1
o-Xylene	48	mg/kg	0.44	1.4	10	8260B		2/14/2017	CJR	1

Lab Code 5032453K
 Sample ID G-6-4
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	3.5 "J"	mg/kg	0.3	9.6	10	8260B		2/14/2017	CJR	1
1,2-Dichloroethane	< 0.38	mg/kg	0.38	1.2	10	8260B		2/14/2017	CJR	1
Ethylbenzene	2.18	mg/kg	0.35	1.1	10	8260B		2/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5	1.6	10	8260B		2/14/2017	CJR	1
Naphthalene	3.6	mg/kg	0.94	3	10	8260B		2/14/2017	CJR	1
Toluene	8.2	mg/kg	0.32	1	10	8260B		2/14/2017	CJR	1
1,2,4-Trimethylbenzene	3.6	mg/kg	0.25	0.8	10	8260B		2/14/2017	CJR	1
1,3,5-Trimethylbenzene	1.36	mg/kg	0.32	1	10	8260B		2/14/2017	CJR	1
m&p-Xylene	6.2	mg/kg	0.72	2.3	10	8260B		2/14/2017	CJR	1
o-Xylene	2.94	mg/kg	0.44	1.4	10	8260B		2/14/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453L
 Sample ID G-7-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	3.53	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Lab Code 5032453M
 Sample ID G-7-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	26.3	mg/kg	0.6	19.2	20	8260B		2/14/2017	CJR	1
1,2-Dichloroethane	< 0.76	mg/kg	0.76	2.4	20	8260B		2/14/2017	CJR	1
Ethylbenzene	105	mg/kg	0.7	2.2	20	8260B		2/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 1	mg/kg	1	3.2	20	8260B		2/14/2017	CJR	1
Naphthalene	34	mg/kg	1.88	6	20	8260B		2/14/2017	CJR	1
Toluene	226	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	1
1,2,4-Trimethylbenzene	138	mg/kg	0.5	1.6	20	8260B		2/14/2017	CJR	1
1,3,5-Trimethylbenzene	49	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	1
m&p-Xylene	281	mg/kg	1.44	4.6	20	8260B		2/14/2017	CJR	1
o-Xylene	116	mg/kg	0.88	2.8	20	8260B		2/14/2017	CJR	1

Project #

Lab Code 5032453N
 Sample ID G-8-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.0	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	11.5	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Lab Code 5032453O
 Sample ID G-8-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	7.6 "J"	mg/kg	0.6	19.2	20	8260B		2/14/2017	CJR	1
1,2-Dichloroethane	< 0.76	mg/kg	0.76	2.4	20	8260B		2/14/2017	CJR	1
Ethylbenzene	72	mg/kg	0.7	2.2	20	8260B		2/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 1	mg/kg	1	3.2	20	8260B		2/14/2017	CJR	1
Naphthalene	49	mg/kg	1.88	6	20	8260B		2/14/2017	CJR	1
Toluene	98	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	1
1,2,4-Trimethylbenzene	196	mg/kg	0.5	1.6	20	8260B		2/14/2017	CJR	1
1,3,5-Trimethylbenzene	67	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	1
m&p-Xylene	271	mg/kg	1.44	4.6	20	8260B		2/14/2017	CJR	1
o-Xylene	112	mg/kg	0.88	2.8	20	8260B		2/14/2017	CJR	1

Project #

Lab Code 5032453P
 Sample ID G-9-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.9	%			1	5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	7.0 "J"	mg/kg	0.6	19.2	20	8260B		2/14/2017	CJR	I
1,2-Dichloroethane	< 0.76	mg/kg	0.76	2.4	20	8260B		2/14/2017	CJR	I
Ethylbenzene	59	mg/kg	0.7	2.2	20	8260B		2/14/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 1	mg/kg	1	3.2	20	8260B		2/14/2017	CJR	I
Naphthalene	42	mg/kg	1.88	6	20	8260B		2/14/2017	CJR	I
Toluene	56	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	I
1,2,4-Trimethylbenzene	120	mg/kg	0.5	1.6	20	8260B		2/14/2017	CJR	I
1,3,5-Trimethylbenzene	46	mg/kg	0.64	2	20	8260B		2/14/2017	CJR	I
m&p-Xylene	158	mg/kg	1.44	4.6	20	8260B		2/14/2017	CJR	I
o-Xylene	54	mg/kg	0.88	2.8	20	8260B		2/14/2017	CJR	I

Lab Code 5032453Q
 Sample ID G-10-1
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		2/10/2017	NJC	I
Inorganic										
Metals										
Lead, Total	256	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	I 49
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	I
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	I
Ethylbenzene	0.041 "J"	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	I
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	I
Toluene	0.038 "J"	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	I
1,2,4-Trimethylbenzene	0.098	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	I
1,3,5-Trimethylbenzene	0.035 "J"	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	I
m&p-Xylene	0.099 "J"	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	I
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	I

Project #

Lab Code 5032453R
 Sample ID G-10-3
 Sample Matrix Soil
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%				I 5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	I	8260B		2/13/2017	CJR	I
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	I	8260B		2/13/2017	CJR	I
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	I	8260B		2/13/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	I	8260B		2/13/2017	CJR	I
Naphthalene	< 0.094	mg/kg	0.094	0.3	I	8260B		2/13/2017	CJR	I
Toluene	< 0.032	mg/kg	0.032	0.1	I	8260B		2/13/2017	CJR	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	I	8260B		2/13/2017	CJR	I
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	I	8260B		2/13/2017	CJR	I
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	I	8260B		2/13/2017	CJR	I
o-Xylene	< 0.044	mg/kg	0.044	0.14	I	8260B		2/13/2017	CJR	I

Lab Code 5032453S
 Sample ID G-15-3
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%				I 5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.15	mg/kg	0.15	4.8	5	8260B		2/16/2017	CJR	I
1,2-Dichloroethane	< 0.19	mg/kg	0.19	0.6	5	8260B		2/16/2017	CJR	I
Ethylbenzene	0.57	mg/kg	0.175	0.55	5	8260B		2/16/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.25	0.8	5	8260B		2/16/2017	CJR	I
Naphthalene	1.44 "J"	mg/kg	0.47	1.5	5	8260B		2/16/2017	CJR	I
Toluene	< 0.16	mg/kg	0.16	0.5	5	8260B		2/16/2017	CJR	I
1,2,4-Trimethylbenzene	20.7	mg/kg	0.125	0.4	5	8260B		2/16/2017	CJR	I
1,3,5-Trimethylbenzene	10.8	mg/kg	0.16	0.5	5	8260B		2/16/2017	CJR	I
m&p-Xylene	1.03 "J"	mg/kg	0.36	1.15	5	8260B		2/16/2017	CJR	I
o-Xylene	0.37 "J"	mg/kg	0.22	0.7	5	8260B		2/16/2017	CJR	I

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453T
 Sample ID G-17-1
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		2/10/2017	NJC	1
Inorganic										
Metals										
Lead, Total	24.3	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	149
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	0.43	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	0.16	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	0.292	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	0.138 "J"	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Lab Code 5032453U
 Sample ID G-17-2
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.7	%			1	5021		2/10/2017	NJC	1
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/13/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/13/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/13/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453V
 Sample ID G-17-3
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.9	%			1	5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.3	mg/kg	0.3	9.6	10	8260B		2/13/2017	CJR	I
1,2-Dichloroethane	< 0.38	mg/kg	0.38	1.2	10	8260B		2/13/2017	CJR	I
Ethylbenzene	< 0.35	mg/kg	0.35	1.1	10	8260B		2/13/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5	1.6	10	8260B		2/13/2017	CJR	I
Naphthalene	1.85 "J"	mg/kg	0.94	3	10	8260B		2/13/2017	CJR	I
Toluene	< 0.32	mg/kg	0.32	1	10	8260B		2/13/2017	CJR	I
1,2,4-Trimethylbenzene	79	mg/kg	0.25	0.8	10	8260B		2/13/2017	CJR	I
1,3,5-Trimethylbenzene	87	mg/kg	0.32	1	10	8260B		2/13/2017	CJR	I
m&p-Xylene	5.9	mg/kg	0.72	2.3	10	8260B		2/13/2017	CJR	I
o-Xylene	1.6	mg/kg	0.44	1.4	10	8260B		2/13/2017	CJR	I

Lab Code 5032453W
 Sample ID MW-1-1
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.7	%			1	5021		2/10/2017	NJC	I
Inorganic										
Metals										
Lead, Total	3.31	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	I 49
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.03	mg/kg	0.03	0.96	1	8260B		2/15/2017	CJR	I
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/15/2017	CJR	I
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/15/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/15/2017	CJR	I
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/15/2017	CJR	I
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/15/2017	CJR	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/15/2017	CJR	I
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/15/2017	CJR	I
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/15/2017	CJR	I
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/15/2017	CJR	I

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453X
 Sample ID MW-1-2
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	0.54 "J"	mg/kg	0.3		9.6	10 8260B		2/16/2017	CJR	I
1,2-Dichloroethane	< 0.38	mg/kg	0.38		1.2	10 8260B		2/16/2017	CJR	I
Ethylbenzene	5.6	mg/kg	0.35		1.1	10 8260B		2/16/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5		1.6	10 8260B		2/16/2017	CJR	I
Naphthalene	2.11 "J"	mg/kg	0.94		3	10 8260B		2/16/2017	CJR	I
Toluene	7.6	mg/kg	0.32		1	10 8260B		2/16/2017	CJR	I
1,2,4-Trimethylbenzene	3.9	mg/kg	0.25		0.8	10 8260B		2/16/2017	CJR	I
1,3,5-Trimethylbenzene	1.28	mg/kg	0.32		1	10 8260B		2/16/2017	CJR	I
m&p-Xylene	8.1	mg/kg	0.72		2.3	10 8260B		2/16/2017	CJR	I
o-Xylene	3.7	mg/kg	0.44		1.4	10 8260B		2/16/2017	CJR	I

Lab Code 5032453Y
 Sample ID MW-1-3
 Sample Matrix Soil
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.4	%			1	5021		2/10/2017	NJC	I
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	4.1 "J"	mg/kg	0.3		9.6	10 8260B		2/16/2017	CJR	I
1,2-Dichloroethane	< 0.38	mg/kg	0.38		1.2	10 8260B		2/16/2017	CJR	I
Ethylbenzene	2.67	mg/kg	0.35		1.1	10 8260B		2/16/2017	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.5	mg/kg	0.5		1.6	10 8260B		2/16/2017	CJR	I
Naphthalene	1.88 "J"	mg/kg	0.94		3	10 8260B		2/16/2017	CJR	I
Toluene	9.5	mg/kg	0.32		1	10 8260B		2/16/2017	CJR	I
1,2,4-Trimethylbenzene	3.8	mg/kg	0.25		0.8	10 8260B		2/16/2017	CJR	I
1,3,5-Trimethylbenzene	1.34	mg/kg	0.32		1	10 8260B		2/16/2017	CJR	I
m&p-Xylene	8.0	mg/kg	0.72		2.3	10 8260B		2/16/2017	CJR	I
o-Xylene	3.4	mg/kg	0.44		1.4	10 8260B		2/16/2017	CJR	I

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 5032453Z
 Sample ID TRIP BLANK
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		2/13/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		2/13/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/13/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		2/13/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		2/13/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		2/13/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/13/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		2/13/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		2/13/2017	TCC	1

Lab Code 532453AA
 Sample ID G-4-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	7600	ug/l	54	174	200	GRO95/8021		2/15/2017	TCC	1
Ethylbenzene	3400	ug/l	112	354	200	GRO95/8021		2/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 86	ug/l	86	272	200	GRO95/8021		2/15/2017	TCC	1
Naphthalene	470 "J"	ug/l	340	1054	200	GRO95/8021		2/15/2017	TCC	1
Toluene	20500	ug/l	66	212	200	GRO95/8021		2/15/2017	TCC	1
1,2,4-Trimethylbenzene	1460	ug/l	112	356	200	GRO95/8021		2/15/2017	TCC	1
1,3,5-Trimethylbenzene	400	ug/l	116	368	200	GRO95/8021		2/15/2017	TCC	1
m&p-Xylene	9600	ug/l	220	698	200	GRO95/8021		2/15/2017	TCC	1
o-Xylene	4500	ug/l	122	384	200	GRO95/8021		2/15/2017	TCC	1

Lab Code 532453BB
 Sample ID G-5-W
 Sample Matrix Water
 Sample Date 2/7/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.05	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	1.36 "J"	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Naphthalene	1.99 "J"	ug/l	1.7	5.27	1	GRO95/8021		2/14/2017	TCC	1
Toluene	4.7	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	1.61 "J"	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	0.64 "J"	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	4.0	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	2.04	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 532453CC
 Sample ID G-6-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	7300	ug/l	13.5	43.5	50	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	2330	ug/l	28	88.5	50	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		2/14/2017	TCC	1
Naphthalene	390	ug/l	85	263.5	50	GRO95/8021		2/14/2017	TCC	1
Toluene	11300	ug/l	16.5	53	50	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	2360	ug/l	28	89	50	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	890	ug/l	29	92	50	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	6600	ug/l	55	174.5	50	GRO95/8021		2/14/2017	TCC	1
o-Xylene	2970	ug/l	30.5	96	50	GRO95/8021		2/14/2017	TCC	1

Lab Code 532453DD
 Sample ID G-7-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2430	ug/l	13.5	43.5	50	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	1140	ug/l	28	88.5	50	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		2/14/2017	TCC	1
Naphthalene	233 "J"	ug/l	85	263.5	50	GRO95/8021		2/14/2017	TCC	1
Toluene	4500	ug/l	16.5	53	50	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	760	ug/l	28	89	50	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	281	ug/l	29	92	50	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	2960	ug/l	55	174.5	50	GRO95/8021		2/14/2017	TCC	1
o-Xylene	1310	ug/l	30.5	96	50	GRO95/8021		2/14/2017	TCC	1

Lab Code 532453EE
 Sample ID G-8-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5800	ug/l	13.5	43.5	50	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	910	ug/l	28	88.5	50	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		2/14/2017	TCC	1
Naphthalene	253 "J"	ug/l	85	263.5	50	GRO95/8021		2/14/2017	TCC	1
Toluene	7500	ug/l	16.5	53	50	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	800	ug/l	28	89	50	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	268	ug/l	29	92	50	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	2890	ug/l	55	174.5	50	GRO95/8021		2/14/2017	TCC	1
o-Xylene	1370	ug/l	30.5	96	50	GRO95/8021		2/14/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 532453FF
 Sample ID G-9-W
 Sample Matrix Water
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1790	ug/l	13.5	43.5	50	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	890	ug/l	28	88.5	50	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		2/14/2017	TCC	1
Naphthalene	246 "J"	ug/l	85	263.5	50	GRO95/8021		2/14/2017	TCC	1
Toluene	3500	ug/l	16.5	53	50	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	700	ug/l	28	89	50	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	257	ug/l	29	92	50	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	2490	ug/l	55	174.5	50	GRO95/8021		2/14/2017	TCC	1
o-Xylene	1110	ug/l	30.5	96	50	GRO95/8021		2/14/2017	TCC	1

Lab Code 532453GG
 Sample ID G-10-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.75	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	2.76	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		2/14/2017	TCC	1
Toluene	4.4	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	5.0	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	2.41	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	9.3	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	5.1	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Lab Code 532453HH
 Sample ID G-11-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.85	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	0.61 "J"	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		2/14/2017	TCC	1
Toluene	4.0	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	1.35 "J"	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	1.72 "J"	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	0.99 "J"	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 532453II
 Sample ID G-12-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 1.35	ug/l	1.35	4.35	5	GRO95/8021		2/14/2017	TCC	149
Ethylbenzene	< 2.8	ug/l	2.8	8.85	5	GRO95/8021		2/14/2017	TCC	149
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021		2/14/2017	TCC	149
Naphthalene	< 8.5	ug/l	8.5	26.35	5	GRO95/8021		2/14/2017	TCC	149
Toluene	< 1.65	ug/l	1.65	5.3	5	GRO95/8021		2/14/2017	TCC	149
1,2,4-Trimethylbenzene	< 2.8	ug/l	2.8	8.9	5	GRO95/8021		2/14/2017	TCC	149
1,3,5-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	5	GRO95/8021		2/14/2017	TCC	149
m&p-Xylene	< 5.5	ug/l	5.5	17.45	5	GRO95/8021		2/14/2017	TCC	149
o-Xylene	< 3.05	ug/l	3.05	9.6	5	GRO95/8021		2/14/2017	TCC	149

Lab Code 532453JJ
 Sample ID G-13-W
 Sample Matrix Water
 Sample Date 2/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	4.1	ug/l	0.27	0.87	1	GRO95/8021		2/13/2017	TCC	155
Ethylbenzene	19.6	ug/l	0.56	1.77	1	GRO95/8021		2/13/2017	TCC	155
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/13/2017	TCC	155
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		2/13/2017	TCC	155
Toluene	18.3	ug/l	0.33	1.06	1	GRO95/8021		2/13/2017	TCC	155
1,2,4-Trimethylbenzene	5.8	ug/l	0.56	1.78	1	GRO95/8021		2/13/2017	TCC	155
1,3,5-Trimethylbenzene	2.56	ug/l	0.58	1.84	1	GRO95/8021		2/13/2017	TCC	155
m&p-Xylene	35	ug/l	1.1	3.49	1	GRO95/8021		2/13/2017	TCC	155
o-Xylene	4.6	ug/l	0.61	1.92	1	GRO95/8021		2/13/2017	TCC	155

Lab Code 532453KK
 Sample ID G-14-W
 Sample Matrix Water
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.88	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		2/14/2017	TCC	1
Toluene	0.94 "J"	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32453

Lab Code 532453LL
 Sample ID G-15-W
 Sample Matrix Water
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5.7	ug/l	1.35	4.35	5	GRO95/8021		2/13/2017	TCC	149
Ethylbenzene	3.8 "J"	ug/l	2.8	8.85	5	GRO95/8021		2/13/2017	TCC	149
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021		2/13/2017	TCC	149
Naphthalene	< 8.5	ug/l	8.5	26.35	5	GRO95/8021		2/13/2017	TCC	149
Toluene	14.9	ug/l	1.65	5.3	5	GRO95/8021		2/13/2017	TCC	149
1,2,4-Trimethylbenzene	13.9	ug/l	2.8	8.9	5	GRO95/8021		2/13/2017	TCC	149
1,3,5-Trimethylbenzene	6.9 "J"	ug/l	2.9	9.2	5	GRO95/8021		2/13/2017	TCC	149
m&p-Xylene	9.3 "J"	ug/l	5.5	17.45	5	GRO95/8021		2/13/2017	TCC	149
o-Xylene	4.6 "J"	ug/l	3.05	9.6	5	GRO95/8021		2/13/2017	TCC	149

Lab Code 532453MM
 Sample ID G-16-W
 Sample Matrix Water
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 1.35	ug/l	1.35	4.35	5	GRO95/8021		2/14/2017	TCC	149
Ethylbenzene	< 2.8	ug/l	2.8	8.85	5	GRO95/8021		2/14/2017	TCC	149
Methyl tert-butyl ether (MTBE)	< 2.15	ug/l	2.15	6.8	5	GRO95/8021		2/14/2017	TCC	149
Naphthalene	< 8.5	ug/l	8.5	26.35	5	GRO95/8021		2/14/2017	TCC	149
Toluene	< 1.65	ug/l	1.65	5.3	5	GRO95/8021		2/14/2017	TCC	149
1,2,4-Trimethylbenzene	< 2.8	ug/l	2.8	8.9	5	GRO95/8021		2/14/2017	TCC	149
1,3,5-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	5	GRO95/8021		2/14/2017	TCC	149
m&p-Xylene	< 5.5	ug/l	5.5	17.45	5	GRO95/8021		2/14/2017	TCC	149
o-Xylene	< 3.05	ug/l	3.05	9.6	5	GRO95/8021		2/14/2017	TCC	149

Lab Code 532453NN
 Sample ID G-17-W
 Sample Matrix Water
 Sample Date 2/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	3050	ug/l	13.5	43.5	50	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	3800	ug/l	28	88.5	50	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 21.5	ug/l	21.5	68	50	GRO95/8021		2/14/2017	TCC	1
Naphthalene	610	ug/l	85	263.5	50	GRO95/8021		2/14/2017	TCC	1
Toluene	17900	ug/l	16.5	53	50	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	2490	ug/l	28	89	50	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	680	ug/l	29	92	50	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	11100	ug/l	55	174.5	50	GRO95/8021		2/14/2017	TCC	1
o-Xylene	4700	ug/l	30.5	96	50	GRO95/8021		2/14/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
Project #

Invoice # E32453

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.
49 Sample diluted to compensate for matrix interference.
55 Vials combined due to sedimentation.
CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy

Chain # N2 2885

Page 1 of 4

Environmental Lab, Inc.

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

Sample Handling Request

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

Normal Turn Around

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

Project (Name / Location): Auto Repair on Vliet
Reports To: Raisa Beyder Invoice To: Raisa Beyder
Company: c/o Anna Shitvelberg Company: c/o METCO
Address: 242 E Ravine Bay Rd Address: 709 Gillette St Ste 3
City State Zip: Bayside, WI 53217 City State Zip: La Crosse WI 54603
Phone: (414) 736-1495 Phone: (608) 781-8879
FAX: _____ FAX: 8893

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 5422)	VOC (EPA 8260)	8-FCRA METALS	12-DCM	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 5422)	VOC (EPA 8260)	8-FCRA METALS	12-DCM	PID/ FID
2032453A	Metn Blank	2/6					1		MEDIA																
B	G-2-1		10:30		X		3	S	/None			X						X						X	
C	G-3-1		10:35				3		/None			X						X						X	
D	G-3-3		10:40				3		/None			X									X				
E	G-4-1		10:55				3		/None			X												X	
F	G-4-3		11:00				2											X						X	
G	G-5-1		11:15				3		/None			X						X						X	
H	G-5-3		11:25				2											X						X	
I	G-6-1		11:40				3		/None			X						X						X	
J	G-6-2		11:45				2											X						X	

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

Lab to send copy of report to METCO.
Uec Rates
Agent Status

Sample Integrity - To be completed by receiving lab

Method of Shipment: Sm

Temp. of Temp. Blank: _____ °C On Ice

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time: 8:15 Date: 2/9/17

Received in Laboratory By: *[Signature]* Time: 8:00 Date: 2/10/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # 288

Page 2 of 4

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

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

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

Project (Name / Location): Auto Repair on Vliet
 Reports To: See Page 1 Invoice To: [Arrow]
 Company: _____ Address: _____
 Address: _____ City State Zip: _____
 City State Zip: _____ Phone: _____
 Phone: _____ FAX: _____

								Analysis Requested											Other Analysis						
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
<u>50321538</u>	<u>G-6-4</u>	<u>2/6</u>	<u>11:55</u>		<u>X</u>		<u>2</u>	<u>S</u>	<u>MEDH</u>									<u>X</u>						<u>X</u>	
	<u>G-7-1</u>		<u>12:45</u>				<u>3</u>		<u>None</u>			<u>X</u>						<u>X</u>						<u>X</u>	
	<u>G-7-3</u>		<u>12:50</u>				<u>2</u>											<u>X</u>						<u>X</u>	
	<u>G-8-1</u>		<u>1:20</u>				<u>3</u>		<u>None</u>			<u>X</u>						<u>X</u>						<u>X</u>	
	<u>G-8-3</u>		<u>1:25</u>				<u>2</u>											<u>X</u>						<u>X</u>	
	<u>G-9-3</u>		<u>1:45</u>				<u>2</u>											<u>X</u>						<u>X</u>	
	<u>G-10-1</u>		<u>2:05</u>				<u>3</u>		<u>None</u>			<u>X</u>						<u>X</u>						<u>X</u>	
	<u>G-10-3</u>	<u>✓</u>	<u>2:10</u>				<u>2</u>											<u>X</u>						<u>X</u>	
	<u>G-15-3</u>	<u>2/7</u>	<u>1:55</u>				<u>2</u>											<u>X</u>						<u>X</u>	
	<u>G-17-1</u>	<u>2/7</u>	<u>2:40</u>		<u>✓</u>		<u>3</u>		<u>None</u>			<u>X</u>						<u>X</u>						<u>X</u>	

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

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

Retinquished By: (sign) [Signature] Time 8:15 Date 2/9/17
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 8:00 Date: 2/10/17

Synergy

Chain # No 2905

Page 3 of 4

Environmental Lab, Inc.

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

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

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

Project (Name / Location): Auto Repair on Ullet
 Reports To: See Page 1 Invoice To: [Arrow]
 Company _____ Company _____
 Address _____ Address _____
 City State Zip _____ City State Zip _____
 Phone _____ Phone _____
 FAX _____ FAX _____

Analysis Requested		Other Analysis													
DFO (Mod DFO 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	1,1-DCA	PID/ FID
								X						X	
								X						X	
		X						X						X	
								X						X	
								X						X	
								X						X	
								X						X	
								X						X	
								X						X	
								X						X	
								X						X	
								X						X	

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
50321534	G-17-2	2/7	2:45		X		2	S	MEDH
V	G-12-3	↓	2:50		↓		2	↓	↓
W	MW-1-1	↓	3:05		↓		3	↓	Wase
X	MW-1-2	↓	3:10		↓		2	↓	↓
Y	MW-1-3	↓	3:15		↓		2	↓	↓
Z	Trip Blank	2/6					1		HCl
AAA	G-4-W	2/6	12:00		X	N	3	GW	↓
BBB	G-5-W	2/7	7:45		↓		3	↓	↓
CCC	G-6-W	2/6	3:40		↓		3	↓	↓
DDD	G-7-W	2/6	1:00		↓		3	↓	↓

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

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

Relinquished By: (sign) *[Signature]* Time: 8:15 Date: 2/9/17
 Received in Laboratory By: *[Signature]* Time: 8:00 Date: 2/10/17

CHAIN OF STUDY RECORD


Synergy

Chain # No 288
Page 4 of 4

Environmental Lab, Inc.

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

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

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

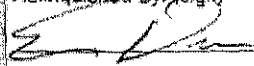
Project (Name / Location): Auto Repair on Vliet
 Reports To: See Page 1 Invoice To: →
 Company: _____ Company: _____
 Address: _____ Address: _____
 City State Zip: _____ City State Zip: _____
 Phone: _____ Phone: _____
 FAX: _____ FAX: _____

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

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
S3 215388	G-8-W	2/6	3:00		X	N	3	GW	HCl
PF	G-9-W	2/7	7:35						
SB	G-10-W	2/6	3:05						
HA	G-11-W	2/6	3:10						
IE	G-12-W	2/6	3:15						
ST	G-13-W	2/6	3:25						
KV	G-14-W	2/7	12:10						
LL	G-15-W	2/7	4:30						
MM	G-16-W	2/7	4:05				3		
NN	G-17-W	2/7	3:35				3		

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

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

Relinquished By: (sign)  Time: 8:15 Date: 2/9/17
 Received By: (sign) _____ Time: 8:00 Date: 2/10/17

Synergy Environmental Lab,

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

C/O ANN SHTIVELBERG
RAISA BEYDER
242 E. RAVINE BAY ROAD
BAYSIDE, WI 53217

Report Date 24-May-17

Project Name AUTO REPAIR ON VLIET
Project #

Invoice # E32907

Lab Code 5032907A
Sample ID MW-5
Sample Matrix Water
Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		5/15/2017	TCC	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		5/15/2017	TCC	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		5/15/2017	TCC	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		5/15/2017	TCC	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		5/15/2017	TCC	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		5/15/2017	TCC	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		5/15/2017	TCC	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		5/15/2017	TCC	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		5/15/2017	TCC	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		5/15/2017	TCC	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		5/15/2017	TCC	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		5/15/2017	TCC	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		5/15/2017	TCC	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		5/15/2017	TCC	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		5/15/2017	TCC	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		5/15/2017	TCC	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		5/15/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
 Project #

Invoice # E32907

Lab Code 5032907A
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		5/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		5/15/2017	TCC	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		5/15/2017	TCC	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		5/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		5/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		5/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		5/15/2017	TCC	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		5/15/2017	TCC	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		5/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	5.1	ug/l	0.82	2.6	1	8260B		5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		5/15/2017	TCC	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		5/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		5/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		5/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		5/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		5/15/2017	TCC	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		5/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		5/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		5/15/2017	TCC	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		5/15/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		5/15/2017	TCC	1
SUR - 1,2-Dichloroethane-d4	102	REC %				8260B		5/15/2017	TCC	1
SUR - 4-Bromofluorobenzene	101	REC %				8260B		5/15/2017	TCC	1
SUR - Dibromofluoromethane	96	REC %				8260B		5/15/2017	TCC	1
SUR - Toluene-d8	105	REC %				8260B		5/15/2017	TCC	1

Project

Lab Code 5032907B
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		5/15/2017	TCC	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		5/15/2017	TCC	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		5/15/2017	TCC	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		5/15/2017	TCC	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		5/15/2017	TCC	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		5/15/2017	TCC	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		5/15/2017	TCC	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		5/15/2017	TCC	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		5/15/2017	TCC	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		5/15/2017	TCC	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		5/15/2017	TCC	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		5/15/2017	TCC	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		5/15/2017	TCC	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		5/15/2017	TCC	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		5/15/2017	TCC	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		5/15/2017	TCC	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		5/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		5/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		5/15/2017	TCC	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		5/15/2017	TCC	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		5/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		5/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		5/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		5/15/2017	TCC	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		5/15/2017	TCC	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		5/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		5/15/2017	TCC	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		5/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		5/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		5/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		5/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		5/15/2017	TCC	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
Project #

Invoice # E32907

Lab Code 5032907B
Sample ID MW-4
Sample Matrix Water
Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		5/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		5/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		5/15/2017	TCC	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		5/15/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		5/15/2017	TCC	1
SUR - Toluene-d8	104	REC %			1	8260B		5/15/2017	TCC	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		5/15/2017	TCC	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		5/15/2017	TCC	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		5/15/2017	TCC	1

Lab Code 5032907C
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		5/15/2017	TCC	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		5/15/2017	TCC	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		5/15/2017	TCC	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		5/15/2017	TCC	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		5/15/2017	TCC	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		5/15/2017	TCC	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		5/15/2017	TCC	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		5/15/2017	TCC	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		5/15/2017	TCC	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		5/15/2017	TCC	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		5/15/2017	TCC	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		5/15/2017	TCC	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		5/15/2017	TCC	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		5/15/2017	TCC	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		5/15/2017	TCC	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		5/15/2017	TCC	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		5/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		5/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		5/15/2017	TCC	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		5/15/2017	TCC	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		5/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		5/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		5/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		5/15/2017	TCC	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		5/15/2017	TCC	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		5/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		5/15/2017	TCC	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		5/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		5/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		5/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		5/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		5/15/2017	TCC	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1

Project Name AUTO REPAIR ON VLIET
Project #

Invoice # E32907

Lab Code 5032907C
Sample ID MW-3
Sample Matrix Water
Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		5/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		5/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		5/15/2017	TCC	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		5/15/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		5/15/2017	TCC	1
SUR - 1,2-Dichloroethane-d4	108	REC %			1	8260B		5/15/2017	TCC	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		5/15/2017	TCC	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		5/15/2017	TCC	1
SUR - Toluene-d8	106	REC %			1	8260B		5/15/2017	TCC	1

Project #

Lab Code 5032907D
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	5/17/2017	5/18/2017	NJC	1
Acenaphthylene	< 0.019	ug/l	0.019	0.061	1	M8270C	5/17/2017	5/18/2017	NJC	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.065	1	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(b)fluoranthene	< 0.018	ug/l	0.018	0.058	1	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	5/17/2017	5/18/2017	NJC	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	5/17/2017	5/18/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	5/17/2017	5/18/2017	NJC	1
Fluoranthene	< 0.017	ug/l	0.017	0.053	1	M8270C	5/17/2017	5/18/2017	NJC	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	5/17/2017	5/18/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	5/17/2017	5/18/2017	NJC	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	5/17/2017	5/18/2017	NJC	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.075	1	M8270C	5/17/2017	5/18/2017	NJC	1
Naphthalene	< 0.025	ug/l	0.025	0.081	1	M8270C	5/17/2017	5/18/2017	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	5/17/2017	5/18/2017	NJC	1
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	5/17/2017	5/18/2017	NJC	1
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		5/15/2017	TCC	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		5/15/2017	TCC	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		5/15/2017	TCC	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		5/15/2017	TCC	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		5/15/2017	TCC	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		5/15/2017	TCC	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		5/15/2017	TCC	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		5/15/2017	TCC	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		5/15/2017	TCC	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		5/15/2017	TCC	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		5/15/2017	TCC	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		5/15/2017	TCC	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		5/15/2017	TCC	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		5/15/2017	TCC	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		5/15/2017	TCC	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		5/15/2017	TCC	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		5/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		5/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		5/15/2017	TCC	1

Project #

Lab Code 5032907D
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 5/10/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B	5/15/2017	5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B	5/15/2017	5/15/2017	TCC	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B	5/15/2017	5/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B	5/15/2017	5/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B	5/15/2017	5/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B	5/15/2017	5/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B	5/15/2017	5/15/2017	TCC	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B	5/15/2017	5/15/2017	TCC	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B	5/15/2017	5/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B	5/15/2017	5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B	5/15/2017	5/15/2017	TCC	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B	5/15/2017	5/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B	5/15/2017	5/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B	5/15/2017	5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B	5/15/2017	5/15/2017	TCC	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B	5/15/2017	5/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B	5/15/2017	5/15/2017	TCC	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B	5/15/2017	5/15/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B	5/15/2017	5/15/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B	5/15/2017	5/15/2017	TCC	1
SUR - Toluene-d8	105	REC %				8260B	5/15/2017	5/15/2017	TCC	1
SUR - Dibromofluoromethane	98	REC %				8260B	5/15/2017	5/15/2017	TCC	1
SUR - 4-Bromofluorobenzene	100	REC %				8260B	5/15/2017	5/15/2017	TCC	1
SUR - 1,2-Dichloroethane-d4	102	REC %				8260B	5/15/2017	5/15/2017	TCC	1

Project #

Lab Code 5032907E
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 5/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	25.9	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Organic										
PAH SIM										
Acenaphthene	< 0.16	ug/l	0.16	0.5	10	M8270C	5/17/2017	5/18/2017	NJC	1
Acenaphthylene	< 0.19	ug/l	0.19	0.61	10	M8270C	5/17/2017	5/18/2017	NJC	1
Anthracene	< 0.19	ug/l	0.19	0.62	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(a)anthracene	< 0.17	ug/l	0.17	0.54	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(a)pyrene	< 0.2	ug/l	0.2	0.65	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(b)fluoranthene	< 0.18	ug/l	0.18	0.58	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(g,h,i)perylene	< 0.25	ug/l	0.25	0.81	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(k)fluoranthene	< 0.16	ug/l	0.16	0.5	10	M8270C	5/17/2017	5/18/2017	NJC	1
Chrysene	< 0.2	ug/l	0.2	0.65	10	M8270C	5/17/2017	5/18/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270C	5/17/2017	5/18/2017	NJC	1
Fluoranthene	< 0.17	ug/l	0.17	0.53	10	M8270C	5/17/2017	5/18/2017	NJC	1
Fluorene	< 0.21	ug/l	0.21	0.66	10	M8270C	5/17/2017	5/18/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.23	ug/l	0.23	0.74	10	M8270C	5/17/2017	5/18/2017	NJC	1
1-Methyl naphthalene	4.80	ug/l	0.24	0.76	10	M8270C	5/17/2017	5/18/2017	NJC	1
2-Methyl naphthalene	9.50	ug/l	0.24	0.75	10	M8270C	5/17/2017	5/18/2017	NJC	1
Naphthalene	46.0	ug/l	0.25	0.81	10	M8270C	5/17/2017	5/18/2017	NJC	1
Phenanthrene	< 0.25	ug/l	0.25	0.81	10	M8270C	5/17/2017	5/18/2017	NJC	1
Pyrene	< 0.2	ug/l	0.2	0.63	10	M8270C	5/17/2017	5/18/2017	NJC	1
VOC's										
Benzene	5100	ug/l	8.5	27.5	50	8260B		5/16/2017	TCC	1
Bromobenzene	< 21.5	ug/l	21.5	68.5	50	8260B		5/16/2017	TCC	1
Bromodichloromethane	< 15.5	ug/l	15.5	50	50	8260B		5/16/2017	TCC	1
Bromoform	< 24.5	ug/l	24.5	78	50	8260B		5/16/2017	TCC	1
tert-Butylbenzene	< 19.5	ug/l	19.5	61.5	50	8260B		5/16/2017	TCC	1
sec-Butylbenzene	< 12	ug/l	12	38	50	8260B		5/16/2017	TCC	1
n-Butylbenzene	< 17	ug/l	17	54	50	8260B		5/16/2017	TCC	1
Carbon Tetrachloride	< 10.5	ug/l	10.5	34	50	8260B		5/16/2017	TCC	1
Chlorobenzene	< 13.5	ug/l	13.5	43	50	8260B		5/16/2017	TCC	1
Chloroethane	< 25	ug/l	25	80	50	8260B		5/16/2017	TCC	1
Chloroform	< 48	ug/l	48	152	50	8260B		5/16/2017	TCC	1
Chloromethane	213	ug/l	65	207.5	50	8260B		5/16/2017	TCC	1
2-Chlorotoluene	< 18	ug/l	18	57.5	50	8260B		5/16/2017	TCC	1
4-Chlorotoluene	< 17.5	ug/l	17.5	55.5	50	8260B		5/16/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 94	ug/l	94	299	50	8260B		5/16/2017	TCC	1
Dibromochloromethane	< 22.5	ug/l	22.5	72	50	8260B		5/16/2017	TCC	1
1,4-Dichlorobenzene	< 21	ug/l	21	67	50	8260B		5/16/2017	TCC	1
1,3-Dichlorobenzene	< 22.5	ug/l	22.5	71.5	50	8260B		5/16/2017	TCC	1
1,2-Dichlorobenzene	< 17	ug/l	17	54.5	50	8260B		5/16/2017	TCC	1
Dichlorodifluoromethane	< 19	ug/l	19	60	50	8260B		5/16/2017	TCC	1
1,2-Dichloroethane	< 22.5	ug/l	22.5	71.5	50	8260B		5/16/2017	TCC	1
1,1-Dichloroethane	< 21	ug/l	21	67	50	8260B		5/16/2017	TCC	1
1,1-Dichloroethene	< 23	ug/l	23	73.5	50	8260B		5/16/2017	TCC	1
cis-1,2-Dichloroethene	< 20.5	ug/l	20.5	64.5	50	8260B		5/16/2017	TCC	1
trans-1,2-Dichloroethene	< 17.5	ug/l	17.5	56	50	8260B		5/16/2017	TCC	1
1,2-Dichloropropane	< 19.5	ug/l	19.5	62	50	8260B		5/16/2017	TCC	1
1,3-Dichloropropane	< 24.5	ug/l	24.5	77.5	50	8260B		5/16/2017	TCC	1

Project #

Lab Code 5032907E
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 5/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 21	ug/l	21	66.5	50	8260B	5/16/2017	5/16/2017	TCC	1
cis-1,3-Dichloropropene	< 10.5	ug/l	10.5	32.5	50	8260B	5/16/2017	5/16/2017	TCC	1
Di-isopropyl ether	< 13	ug/l	13	41.5	50	8260B	5/16/2017	5/16/2017	TCC	1
EDB (1,2-Dibromoethane)	< 17	ug/l	17	54.5	50	8260B	5/16/2017	5/16/2017	TCC	1
Ethylbenzene	610	ug/l	10	31.5	50	8260B	5/16/2017	5/16/2017	TCC	1
Hexachlorobutadiene	< 73.5	ug/l	73.5	234	50	8260B	5/16/2017	5/16/2017	TCC	1
Isopropylbenzene	47	ug/l	14.5	46.5	50	8260B	5/16/2017	5/16/2017	TCC	1
p-Isopropyltoluene	< 14	ug/l	14	45.5	50	8260B	5/16/2017	5/16/2017	TCC	1
Methylene chloride	< 47	ug/l	47	149	50	8260B	5/16/2017	5/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B	5/16/2017	5/16/2017	TCC	1
Naphthalene	146 "J"	ug/l	108.5	345	50	8260B	5/16/2017	5/16/2017	TCC	1
n-Propylbenzene	51	ug/l	9.5	31	50	8260B	5/16/2017	5/16/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 34.5	ug/l	34.5	110.5	50	8260B	5/16/2017	5/16/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 23.5	ug/l	23.5	74	50	8260B	5/16/2017	5/16/2017	TCC	1
Tetrachloroethene	< 24	ug/l	24	76	50	8260B	5/16/2017	5/16/2017	TCC	1
Toluene	6400	ug/l	33.5	106.5	50	8260B	5/16/2017	5/16/2017	TCC	1
1,2,4-Trichlorobenzene	< 64.5	ug/l	64.5	205	50	8260B	5/16/2017	5/16/2017	TCC	1
1,2,3-Trichlorobenzene	< 41.5	ug/l	41.5	131.5	50	8260B	5/16/2017	5/16/2017	TCC	1
1,1,1-Trichloroethane	< 17.5	ug/l	17.5	55.5	50	8260B	5/16/2017	5/16/2017	TCC	1
1,1,2-Trichloroethane	< 32.5	ug/l	32.5	103	50	8260B	5/16/2017	5/16/2017	TCC	1
Trichloroethene (TCE)	< 22.5	ug/l	22.5	71.5	50	8260B	5/16/2017	5/16/2017	TCC	1
Trichlorofluoromethane	< 32	ug/l	32	102	50	8260B	5/16/2017	5/16/2017	TCC	1
1,2,4-Trimethylbenzene	360	ug/l	57	181.5	50	8260B	5/16/2017	5/16/2017	TCC	1
1,3,5-Trimethylbenzene	110 "J"	ug/l	45.5	145	50	8260B	5/16/2017	5/16/2017	TCC	1
Vinyl Chloride	< 9.5	ug/l	9.5	31	50	8260B	5/16/2017	5/16/2017	TCC	1
m&p-Xylene	1760	ug/l	78	247.5	50	8260B	5/16/2017	5/16/2017	TCC	1
o-Xylene	900	ug/l	19.5	62.5	50	8260B	5/16/2017	5/16/2017	TCC	1
SUR - 1,2-Dichloroethane-d4	104	REC %				50 8260B	5/16/2017	5/16/2017	TCC	1
SUR - 4-Bromofluorobenzene	100	REC %				50 8260B	5/16/2017	5/16/2017	TCC	1
SUR - Dibromofluoromethane	97	REC %				50 8260B	5/16/2017	5/16/2017	TCC	1
SUR - Toluene-d8	107	REC %				50 8260B	5/16/2017	5/16/2017	TCC	1

Project #

Lab Code 5032907F
 Sample ID TB
 Sample Matrix Water
 Sample Date 5/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B	5/15/2017	5/15/2017	TCC	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B	5/15/2017	5/15/2017	TCC	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B	5/15/2017	5/15/2017	TCC	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B	5/15/2017	5/15/2017	TCC	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B	5/15/2017	5/15/2017	TCC	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B	5/15/2017	5/15/2017	TCC	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B	5/15/2017	5/15/2017	TCC	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B	5/15/2017	5/15/2017	TCC	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B	5/15/2017	5/15/2017	TCC	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	5/15/2017	5/15/2017	TCC	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B	5/15/2017	5/15/2017	TCC	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B	5/15/2017	5/15/2017	TCC	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B	5/15/2017	5/15/2017	TCC	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B	5/15/2017	5/15/2017	TCC	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B	5/15/2017	5/15/2017	TCC	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B	5/15/2017	5/15/2017	TCC	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B	5/15/2017	5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B	5/15/2017	5/15/2017	TCC	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B	5/15/2017	5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B	5/15/2017	5/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B	5/15/2017	5/15/2017	TCC	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B	5/15/2017	5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B	5/15/2017	5/15/2017	TCC	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B	5/15/2017	5/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B	5/15/2017	5/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B	5/15/2017	5/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B	5/15/2017	5/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B	5/15/2017	5/15/2017	TCC	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B	5/15/2017	5/15/2017	TCC	1
Methylene chloride	1.3 "J"	ug/l	0.94	2.98	1	8260B	5/15/2017	5/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B	5/15/2017	5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B	5/15/2017	5/15/2017	TCC	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B	5/15/2017	5/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B	5/15/2017	5/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B	5/15/2017	5/15/2017	TCC	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B	5/15/2017	5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B	5/15/2017	5/15/2017	TCC	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B	5/15/2017	5/15/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B	5/15/2017	5/15/2017	TCC	1

Project #

Lab Code 5032907F

Sample ID TB

Sample Matrix Water

Sample Date 5/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B	5/15/2017	TCC	I	
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B	5/15/2017	TCC	I	
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B	5/15/2017	TCC	I	
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B	5/15/2017	TCC	I	
SUR - Toluene-d8	105	REC %				8260B	5/15/2017	TCC	I	
SUR - 1,2-Dichloroethane-d4	104	REC %				8260B	5/15/2017	TCC	I	
SUR - 4-Bromofluorobenzene	99	REC %				8260B	5/15/2017	TCC	I	
SUR - Dibromofluoromethane	97	REC %				8260B	5/15/2017	TCC	I	

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

- 1 Laboratory QC within limits.
 - 49 Sample diluted to compensate for matrix interference.
- CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

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

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: _____
Sampler: (signature) Bonnie Uyema

Project (Name / Location): Auto Repair on Vliet
Reports To: Raisa Beyder Invoice To: Raisa Beyder
Company: c/o Anna Shivelberg Company: c/o METCO
Address: 242 E. Ravine Bay Rd. Address: 707 Gillette Street, Suite 3
City State Zip: Bayside, WI 53217 City State Zip: La Crosse, WI 54603
Phone: (414)-736-1495 Phone: (608)-781-8879
FAX: _____ FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	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			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
S-2-19-07	MW-5	5/12/17	915			Y	4	GW	HCl, HNO ₃ , H ₂ O ₂
D	MW-4		940				4		
C	MW-3		1005				4		
D	MW-2		1035				5		HCl, HNO ₃ , H ₂ O ₂
F	MW-1	5/11/17	130				5		HCl, HNO ₃ , H ₂ O ₂
P	TB						1		HCl

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

Lab to send a copy of report to METCO/Jason P. (Invoice to METCO)
* U + crates apply
* Agent Status

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

Relinquished By: (sign) Bonnie Uyema Time 8:00 AM Date 5/12/17
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: Medi - SEL Time: 9:30 AM Date: 5-13-17

Site Investigation Report - METCO

Auto Repair on Vliet

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

Facility Name			Facility ID Number		License, Permit or Monitoring No.		Date		Completed By (Name and Firm)												
Auto Repair on Vliet			341043340				6/19/2017		Jon Jensen/METCO												
WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir.		Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enf. Stds.	Gradient	Distance to Waste
				N	S		Diam.	Type	Top of Well Casing	Ground Surface	MSL (✓)	Site Datum (✓)	Screen Top	Initial Groundwater	Well Depth						
VR630	MW-1		303149.03	X		2/6/2017	2	P	680.67	681.35	X		7	12.37	17	10	11/mw	A	X		
			596477.2	X																	
VR629	MW-2		303074.2	X		2/6/2017	2	P	682.54	683.07	X		6	10.3	16	10	11/mw	A		U	65
			596498.13	X																	
VR628	MW-3		303149.87	X		2/6/2017	2	P	682.35	682.79	X		7	10.5	17	10	11/mw	A		U	88
			596576.13	X																	
VR627	MW-4		303255.68	X		2/6/2017	2	P	680.05	680.7	X		6	11.02	16	10	11/mw	A		S	81
			596486.41	X																	
VR626	MW-5		303155.06	X		2/6/2017	2	P	679.45	679.96	X		7	11.62	17	10	11/mw	A		D	66
			596398.52	X																	

Location Coordinates Are:
 State Plane Coordinate
 Northern
 Central
 Southern
 Local Grid System


Grid Origin Location: (Check if estimated:)
 Lat. 43 ° 2 ' 54 " Long. 87 ° 56 ' 42 " or
 St. Plane _____ ft. N. _____ ft. E. S/C/N Zone _____

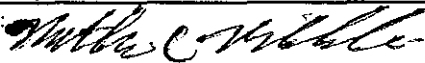
Remarks: _____

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than \$10 nor more than \$5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-1
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
				685 feet MSL
				Borehole Diameter
				2 inches
Local Grid Origin (estimated X) or Boring Location				Local Grid Location
State Plane N, E		Lat 43° 2' 54" N		N E
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W		Feet S Feet W
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 (0-2 feet)	24 18		2	Concrete										
			2	0-2' Tan Sandy Silt	ML			4.6		DRY				No Petro Odor
			4	Refusal @ 2 feet bgs. EOB at 2 feet bgs. Borehole abandoned.										
			6											
			8											
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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

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

Route To: Watershed / Wastewater: Waste Management: _____
Remediation / Redevelopment Other: _____
 Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-2
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
				685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
341043340		Milwaukee	41	City of Milwaukee

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
G-2-1 (0-2 feet)	24 12		2	Concrete	FILL			850		DRY				Petro Odor
			4	0-2' Sand, Gravel, & Concrete (Fill)										
			6											
			8											
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24	Refusal @ 2 feet bgs. EOB at 2 feet bgs. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge
 Signature: *Matthew C. V. [Signature]* Firm: **METCO**

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

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____ Page 1 of 1

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number G-3
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/06/2017 MM/DD/YYYY	Drilling Date Completed 02/06/2017 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E			Local Grid Location N E Feet S Feet W	
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P-200	RQD / Comments
G-3-1 (0-4 feet)	48 42		2	Concrete										
			4	0-3.5' Tan to Orange Sandy Silt	ML			102		M				Petro odor (3-4 feet)
			4	3.5-4' Gray Clay	CL									
G-3-2 (4-8 feet)	48 42		6					822		M				Petro odor
			8	4-12' Grey Sandy Silt/Clay	CL									
G-3-3 (8-12 feet)	48 42		10					470		M/W				Petro odor
			12	EOB at 12 feet bgs. Attempted to collect groundwater sample, no recovery after two days. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: *Matthew C. Prentice* Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-4
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Damir Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			673 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter	
			2 inches	
State Plane N, E		Lat 43° 2' 54" N		Local Grid Location
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W		N E
Facility ID		County	County Code	Civil Town / City / Village
341043340		Milwaukee	41	City of Milwaukee

Number & Type	Sample		Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						P 200	ROD / Comments
	Length Att. & Recovered (in)	Blow Counts						PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
G-4-1 (0-4 feet)	48 42		0-2	Concrete											
G-4-2 (4-8 feet)	48 42		0-4	0-7.5' Tan Sandy Silt/Clay	CL			5		M					No Petro Odor
G-4-3 (8-12 feet)	48 48		0-8	7.5-8' Tan Very Fine to Fine Grained Sand	SP			5		M					No Petro Odor
G-4-4 (12-14 feet)	24 24		0-12	8-14' Tan Very Fine to Medium Grained Sand	SP			11.7		M/W					No Petro Odor
			0-14	EOB at 14 feet. Groundwater sample G-4-W collected at 9-14 feet. Borehole abandoned.				178		W					Slight Petro Odor

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

Signature: *Matthew C. Miller*

Firm: **METCO**

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

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-5
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Damin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			671.4 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane N, E		Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments	
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P-200		
G-5-1 (0-4 feet)	48 48		2	Concrete											
			4	0-4' Tan Very Fine to Fine Grained Silty Sand	SM			1.6		M				No Petro Odor	
G-5-2 (4-8 feet)	48 48		6	4-7.5' Tan Sandy Silt/Clay	CL										
			8	7.5-8' Tan Very Fine to Fine Grained Sand	SP			1.1		M				No Petro Odor	
G-5-3 (8-12 feet)	48 48		10												
			12	8-16' Gray Sandy Silt/Clay	CL			1.3		M/W				No Petro Odor	
G-5-4 (12-16 feet)	48 48		14												
			16	EOB at 16 feet. Groundwater sample G-5-W collected at 11-16 feet. Borehole abandoned.				1.7		W				No Petro Odor	

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

Signature: *Matthew C. Miller*

Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-6
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY	MM /DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			675 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E		Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
341043340		Milwaukee	41	City of Milwaukee

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
G-6-1 (0-4 feet)	48 36		2	Concrete										
			4	0-4' Tan Sandy Silt/Clay	CL			1.1		M				No Petro Odor
G-6-2 (4-8 feet)	48 36		6	4-8' Tan to Grey Silty Sand	SM			734		M				Petro Odor (6-8 feet)
			8											
G-6-3 (8-12 feet)	48 48		10	▼										
			12	8-16' Gray Sandy Silt/Clay	CL			275		M/W				Petro Odor
G-6-4 (12-16 feet)	48 48		14											
			16	EOB at 16 feet. Groundwater sample G-6-W collected at 11-16 feet. Borehole abandoned.				519		W				Petro Odor
			18											
			20											
			22											
			24											

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

Signature: *Thistle*

Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Auto Repair on Vliet				G-7	
Boring Drilled By: Name of crew chief (first, last) and Firm			Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice			02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC			MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			672 feet MSL	685 feet MSL	2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location		
State Plane N, E			Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E			Long 87° 56' 42" W	Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village	
341043340		Milwaukee	41	City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			2	Concrete											
G-7-1 (0-4 feet)	48 36		4	0-4' Orange Silty Sand	SM			37		M					Slight Petro Odor
G-7-2 (4-8 feet)	48 36		8	4-13' Grey Sandy Silt/Clay	CL			688		M					Petro Odor
G-7-3 (8-12 feet)	48 48		10					166		MW					Petro Odor
G-7-4 (12-16 feet)	48 48		16	13-16' Grey Very Fine to Fine Grained Sand	SP			92		W					Slight Petro Odor
			16	EOB at 16 feet. Groundwater sample G-7-W collected at 11-16 feet. Borehole abandoned.											

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

Signature: *Matthew C. Wilke*

Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number G-8
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/06/2017 MM/DD/YYYY	Drilling Date Completed 02/06/2017 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 672.2 feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N E			Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Feet S		Feet W
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Length Alt. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			2	Concrete											
G-8-1 (0-4 feet)	48 36		4	0-8' Tan Silty Sand	SM			8.4		M					No Petro Odor
G-8-2 (4-8 feet)	48 42		8					5.8		M					No Petro Odor
G-8-3 (8-12 feet)	48 48		10	8-12' Grey Silty Sand	SM			809		M/W					Petro Odor (9-12 feet)
			12												
			14	12-16' Grey Sandy Silty/Clay	CL										
G-8-4 (12-16 feet)	48 48		16	EOB at 16 feet. Groundwater sample G-8-W collected at 11-16 feet bgs. Borehole abandoned.				131		W					Slight Petro Odor
			18												
			20												
			22												
			24												

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: *[Handwritten Signature]* Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-9
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			673 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P-200	RQD / Comments
								P/D / F/D	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
			0	Concrete										
G-9-1 (0-4 feet)	48 48		2	0-4' Tan Silty Sand	SM			5.2		M				No Petro Odor
G-9-2 (4-8 feet)	48 48		6	4-8' Grey Sandy Silty/Clay	CL			35		M				Slight Petro Odor
G-9-3 (8-12 feet)	48 48		10	8-12' Grey to Black Silty Sand	SM			649		M/W				Petro Odor & Staining
G-9-4 (12-16 feet)	48 48		14	12-16' Grey Sandy Silty/Clay	CL									
			16	EOB at 16 feet. Groundwater sample G-9-W collected at 11-16 feet. Borehole abandoned.				56		W				Petro Odor

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

Signature: *Walter J. Prentice*

Firm: METCO

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-10
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY	MM /DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			672.7 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane	N, E	Lat 43° 2' 54" N	N	E
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S	Feet W
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Number & Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-10-1 (0-4 feet)	48 48		2	0-4' Tan Sandy Silt/Clay	CL			136		M				Slight Petro Odor
			4											
G-10-2 (4-8 feet)	48 48		6	4-8' Tan Silty Sand	SM			7.2		M				No Petro Odor
			8											
G-10-3 (8-12 feet)	48 48		10	8-12' Tan to Grey Silty Sand	SM			5.1		MW				No Petro Odor
			12											
G-10-4 (12-16 feet)	48 48		14	12-16' Tan Silty Sand	SM			4.4		W				No Petro Odor
			16											
				EOB at 16 feet. Groundwater sample G-10-W collected at 11-16 feet. Borehole abandoned.										

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

Signature: *Matthew C. Miller*

Firm: **METCO**

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
 Remediation / Redevelopment: Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-11
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		02/06/2017	02/06/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			672.6 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Number & Type	Sample			Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)					PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-11-1 (0-4 feet)	48 24		0-2	0-14' Tan Silty Sand	SM			4.2		M				No Petro Odor
G-11-2 (4-8 feet)	48 48		4-8					4.0		M				No Petro Odor
G-11-3 (8-12 feet)	48 48		8-12					4.1		W				No Petro Odor
G-11-4 (12-14 feet)	24 24		12-14					3.0		W				No Petro Odor
				EOB at 14 feet. Groundwater sample G-11-W collected at 9-14 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge
 Signature: *Matt C. ...* Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number G-12
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/06/2017 MM/ DD/ YYYY	Drilling Date Completed 02/06/2017 MM/ DD/ YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W Feet S Feet W		
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
								PIB / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
G-12-1 (0-4 feet)	48 24		0-4	0-4' Tan Sandy Silt/Clay	CL			3.7		M				No Petro Odor
G-12-2 (4-8 feet)	48 48		4-8	4-8' Tan Silty Sand	SM			3.0		M				No Petro Odor
G-12-3 (8-12 feet)	48 48		8-12	8-12' Tan to Grey Silty Sand EOB at 12 feet bgs. Groundwater sample G-12-W collected at 7-12 feet. Borehole abandoned.	SM			3.0		W				No Petro Odor

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

Signature:

Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number G-13
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/06/2017 MM/DD/YYYY	Drilling Date Completed 02/06/2017 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 674.4 feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter 2 inches	
State Plane N, E		Lat 43° 2' 54" N		Local Grid Location N E
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W		Feet S Feet W
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-13-1 (0-4 feet)	48 42		2 4	0-8' Tan Silty Sand	SM			2.7		M				No Petro Odor
G-13-2 (4-8 feet)	48 48		8 10	8-12' Tan to Grey Silty Sand	SM			2.4		M				No Petro Odor
G-13-3 (8-12 feet)	48 48		12 14 16 18 20 22 24	EOB at 12 feet bgs. Groundwater sample G-13-W collected at 7-12 feet. Borehole abandoned.	SM			2.7		W				No Petro Odor

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

Signature: *[Handwritten Signature]*

Firm: **METCO**

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: Other: _____ Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-14
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		02/07/2017	02/07/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY	MM/ DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			674 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-14-1 (0-4 feet)	48 30		0-4	0-7.5' Tan Silty Sand	SM			1.0		M				No Petro Odor
G-14-2 (4-8 feet)	48 42		4-8	7.5-8 Tan Sandy Silty Clay	CL			1.3		M				No Petro Odor
G-14-3 (8-12 feet)	48 42		8-12	8-12' Tan Silty Sand	SM			1.4		W				No Petro Odor
				EOB at 12 feet bgs. Groundwater sample G-14-W collected at 7-12 feet. Borehole abandoned.										

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

Signature: *Nathan C. ...*

Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-15
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice		02/07/2017	02/07/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			669.5 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E		Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	P/D / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-15-1 (0-4 feet)	48 24		2	Asphalt										
			4	0-4' Tan Very Fine to Fine Grained Sand	SP			1.9		M			No Petro Odor	
G-15-2 (4-8 feet)	48 36		6	4-6' Tan Silty Sand	SM									
			8	6-8' Tan Sandy Silt/Clay	CL			1.9		M			No Petro Odor	
G-15-3 (8-12 feet)	48 48		10	8-12' Tan to Grey Sandy Silt/Clay	CL			482		M				Petro Odor (11-12 feet)
			14	12-16' Grey Sandy Silt	ML									Petro Odor (12-14 feet)
G-15-4 (12-16 feet)	48 48		16	EOB at 16 feet. Groundwater sample G-15-W collected at 11-16 feet. Borehole abandoned.				2.8		W				

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

Signature: *Matthew C. M... ..*

Firm: **METCO**

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other: _____

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Auto Repair on Vliet				G-16
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darin Last: Prentice		02/07/2017	02/07/2017	Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
			670 feet MSL	685 feet MSL
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID	County	County Code	Civil Town / City / Village	
341043340	Milwaukee	41	City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-16-1 (0-4 feet)	48 24		2	0-4' Tan Very Fine to Fine Grained Sand	SP			1.2		M				No Petro Odor
			4	4-6' Tan Silty Sand	SM									
G-16-2 (4-8 feet)	48 36		8	6-11' Tan Sandy Silt/Clay	CL			1.5		M				No Petro Odor
			10											
G-16-3 (8-12 feet)	48 48		12	11-12' Tan Silty Sand	SM			1.6		M				No Petro Odor
			14	12-16' Grey Silty Sand	SM									
G-16-4 (12-16 feet)	48 48		16	EOB at 16 feet. Groundwater sample G-16-W collected at 11-16 feet. Borehole abandoned.				1.5		W				No Petro Odor
			18											
			20											
			22											
			24											

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

Signature:

Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number G-17
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice		Drilling Date Started 02/07/2017	Drilling Date Completed 02/07/2017	Drilling Method Geoprobe
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY	MM/ DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 672 feet MSL	Surface Elevation 685 feet MSL
			Borehole Diameter 2 inches	
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane	N, E	Lat 43° 2' 54" N	N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Long 87° 56' 42" W	Feet S Feet W	
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Sample			Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					RQD / Comments	
	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)					PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		P 200
G-17-1 (0-4 feet)	48 24	24	0-2'	Concrete	SM									
			2-4'	0-2' Tan Silty Sand			115	M				Petro Odor (2-4 feet)		
G-17-2 (4-8 feet)	48 36	36	4-8'	2-8' Tan Very Fine to Fine Grained Sand	SP									
			8-12'				10	M			Slight Petro Odor			
G-17-3 (8-12 feet)	48 42	42	12-14'	8-16' Tan to Black Very Fine to Fine Grained Sand	SP									
			14-16'				149	M			Petro Odor & Staining			
G-17-4 (12-16 feet)	48 42	42	16-18'											
			18-24'	EOB at 16 feet. Groundwater sample G-17-W collected at 11-16 feet. Borehole abandoned.			66	W			Petro Odor & Staining			

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

Signature: *Matthew C. Miskolc*

Firm: **METCO**

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

Page 1 of 1

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number MW-1
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/07/2017 MM/ DD/ YYYY	Drilling Date Completed 02/07/2017 MM/ DD/ YYYY	Drilling Method Geoprobe/H.S.A.
WI Unique Well No. VR630	DNR Well ID No. MW-1	Well Name MW-1	Final Static Water Level 672.63 feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W Feet S Feet W		
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments	
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			2	Concrete											
MW-1-1 (0-4 feet)	48 36		2 4	0-4' Tan Very Fine to Fine Grained Sand	SP			3.4		M					No Petro Odor
MW-1-2 (4-8 feet)	48 48		4 6 8	4-7' Grey Very Fine to Fine Grained Sand	SP					M					Petro Odor
MW-1-3 (8-12 feet)	48 48		8 10 12	7-10' Grey Sandy Silt/Clay	CL			509		M					Petro Odor
MW-1-4 (12-16 feet)	48 48		10 12 14 16	10-14' Grey Silty Sand	SM			147		M					Petro Odor
			14 16 18	14-16' Grey Sandy Silt/Clay	CL			77		W					Petro Odor
			18 20 22 24	EOB at 17 feet. Installed monitoring well MW-1 to 17 feet bgs with a 10 foot screen.											

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

Signature: *Matthew C. Wislocki*

Firm: **METCO**

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Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: **X** Other: _____

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number MW-2
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/07/2017 MM/DD/YYYY	Drilling Date Completed 02/07/2017 MM/DD/YYYY	Drilling Method Geoprobe/H.S.A.
WI Unique Well No. VR629	DNR Well ID No. MW-2	Well Name MW-2	Final Static Water Level 674.7 feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E		Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W		Feet S Feet W
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Facility ID 341043340		County Milwaukee
		County Code 41		Civil Town / City / Village City of Milwaukee

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
MW-2-1 (0-4 feet)	48 24		0-4	0-8' Tan Silty Sand	SM			1.1		M				No Petro Odor
MW-2-2 (4-8 feet)	48 48		4-8	8-12' Tan to Grey Sandy Silt	ML			0.8		M				No Petro Odor
MW-2-3 (8-12 feet)	48 48		8-12	12-15' Grey Silty Sand	SM			1.1		MW				No Petro Odor
MW-2-4 (12-16 feet)	48 48		12-16	15-16' Grey Sandy Silt	ML			1.2		W				No Petro Odor
				EOB at 16 feet. Installed monitoring well MW-4 to 16 feet bgs with a 10 foot screen.		SEE WELL CONSTRUCTION FORM								

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

Signature: *Matthew C. Wilk*

Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number MW-3		Boring Number MW-3
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/07/2017 MM/DD/YYYY	Drilling Date Completed 02/07/2017 MM/DD/YYYY	Drilling Method Geoprobe/H.S.A.
WI Unique Well No. VR628	DNR Well ID No. MW-3	Well Name 674.5 feet MSL	Final Static Water Level 685 feet MSL	Surface Elevation 8.25 inches
Local Grid Origin (estimated X) or Boring Location State Plane N, E		Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W		
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E		Feet S Feet W		
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-3-1 (0-4 feet)	48 24		2	0-4' Brown Sandy Silt/Clay	CL		SEE WELL CONSTRUCTION FORM	1.9		M				No Petro Odor
MW-3-2 (4-8 feet)	48 36		6	4-8' Tan Silty Sand	SM			2.0		M				No Petro Odor
MW-3-3 (8-12 feet)	48 48		10	8-12' Tan Sandy Silt/Clay	CL			1.9		MW				No Petro Odor
MW-3-4 (12-16 feet)	48 48		14	12-16' Tan to Grey Sandy Silt/Clay	CL			2.1		W				No Petro Odor
			18	EOB at 17 feet. Installed monitoring well MW-3 to 17 feet bgs with a 10 foot screen.										

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

Signature: *Nathan C. ...*

Firm: **METCO**

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

Facility / Project Name Auto Repair on Vliet		License / Permit / Monitoring Number		Boring Number MW-4
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC		Drilling Date Started 02/07/2017 MM/DD/YYYY	Drilling Date Completed 02/07/2017 MM/DD/YYYY	Drilling Method Geoprobe/H.S.A.
WI Unique Well No. VR627	DNR Well ID No. MW-4	Well Name MW-4	Final Static Water Level 673.98 feet MSL	Surface Elevation 685 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E		Local Grid Location Lat 43° 2' 54" N Long 87° 56' 42" W		Feet S Feet W
Facility ID 341043340	County Milwaukee	County Code 41	Civil Town / City / Village City of Milwaukee	

Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	
			2	Concrete									
MW-4-1 (0-4 feet)	48 24		4	0-5' Tan Silty Sand	SM			0.7		M			No Petro Odor
MW-4-2 (4-8 feet)	48 48		6	5-7' Gray Sandy Silt/Clay	CL			0.8		M			No Petro Odor
MW-4-3 (8-12 feet)	48 48		12	7-16' Tan Very Fine to Fine Grained Sand	SP			0.8		M			No Petro Odor
MW-4-4 (12-16 feet)	48 12		16	EOB at 16 feet. Installed monitoring well MW-4 to 16 feet bgs with a 10 foot screen.				0.8		W			No Petro Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: *Matthew C. Wisniewski* Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Auto Repair on Vliet				MW-5	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Darrin Last: Prentice		02/07/2017		02/07/2017	
Firm: Geiss Soil & Samples, LLC		MM/ DD/ YYYY		MM /DD/ YYYY	
Geoprobe/H.S.A.					
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VR626		MW-5	673.38 feet MSL	685 feet MSL	8.25 inches
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E				Lat 43° 2' 54" N N E	
SW ¼ of SW ¼ of Section 19, T 7 N, R 22 E				Long 87° 56' 42" W Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village	
341043340		Milwaukee	41	City of Milwaukee	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-5-1 (0-4 feet)	48 24		0-4	Concrete				1.5		M				No Petro Odor
MW-5-2 (4-8 feet)	48 24		4-8	0-8' Tan Silty Sand	SM			1.2		M				No Petro Odor
MW-5-3 (8-12 feet)	48 48		8-12	8-11' Grey Sandy Silty Clay	CL			1.3		M/W				No Petro Odor
MW-5-4 (12-16 feet)	48 48		12-16	11-12' Tan Silty Sand	SM			1.4		W				No Petro Odor
			16-18	12-15' Tan Fine to Medium Grained Sand with Gravel	SP									No Petro Odor
			18	EOB at 17 feet. Installed monitoring well MW-5 to 17 feet bgs with a 10 foot screen.										

SEE WELL CONSTRUCTION FORM

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

Signature: *Matthew C. McShane* Firm: **METCO**

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Facility/Project Name Auto Repair	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____ " or _____	Wis. Unique Well No. VR630 DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 02/06/2017 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prantice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

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

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

13. Sieve analysis performed? Yes No

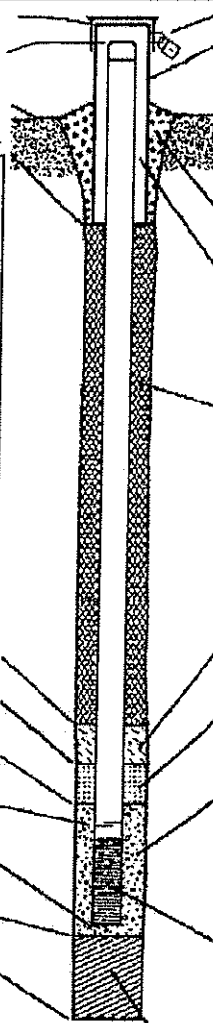
14. Drilling method used: Rotary 5 0
Hollow Stem Auger 4 1
Other

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

16. Drilling additives used? Yes No

Describe _____

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



1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: **8** in.
b. Length: **1** ft.
c. Material: Steel 0 4
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal:
Bentonite 3 0
Concrete 0 1
Other

4. Material between well casing and protective pipe:
Bentonite 3 0
Other

5. Annular space seal:
a. Granular/Chipped Bentonite 3 3
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
c. _____ Lbs/gal mud weight Bentonite slurry 3 1
d. _____ % Bentonite Bentonite-cement grout 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8

6. Bentonite seal:
a. Bentonite granules 3 3
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
a. **#15 Red Flint**
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. **#40 Red Flint**
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other

10. Screen material: **pvc**
a. Screen type: Factory cut 1 1
Continuous slot 0 1
Other

b. Manufacturer **Johnson**
c. Slot size: **0.010** in.
d. Slotted length: **1.0** ft.

11. Backfill material (below filter pack): None 1 4
Other

E. Bentonite seal, top _____ ft. MSL or **1** ft.
F. Fine sand, top _____ ft. MSL or **4** ft.
G. Filter pack, top _____ ft. MSL or **6** ft.
H. Screen joint, top _____ ft. MSL or **7** ft.
I. Well bottom _____ ft. MSL or **17** ft.
J. Filter pack, bottom _____ ft. MSL or **17** ft.
K. Borehole, bottom _____ ft. MSL or **17** ft.
L. Borehole, diameter **8.25** in.
M. O.D. well casing **2.40** in.
N. I.D. well casing **2.06** in.

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

Signature Darrin Prantice Firm Geiss Soil & Samples LLC

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

Facility/Project Name Auto Repair		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name MW-2	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____		Wis. Unique Well No. VR629 DNR Well ID No. _____	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 02/06/2017 m m d d y y y y	
Type of Well Well Code 11, MW		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC	
Distance from Waste/Source _____ ft.	Ent. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer Johnson c. Slot size: 0.010 in. d. Slotted length: 12 ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p>
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<p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required):</p>	
--	--

<p>E. Bentonite seal, top _____ ft. MSL or 5 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 3 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 5 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 6 ft.</p> <p>I. Well bottom _____ ft. MSL or 16 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 17 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 17 ft.</p> <p>L. Borehole, diameter 8.25 in.</p> <p>M. O.D. well casing 2.40 in.</p> <p>N. I.D. well casing 2.06 in.</p>	
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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Facility/Project Name Auto Repair	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____" or _____	Wis. Unique Well No. VR628 DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 02/06/2017
Type of Well Well Code 11 / MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidgradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? Yes No

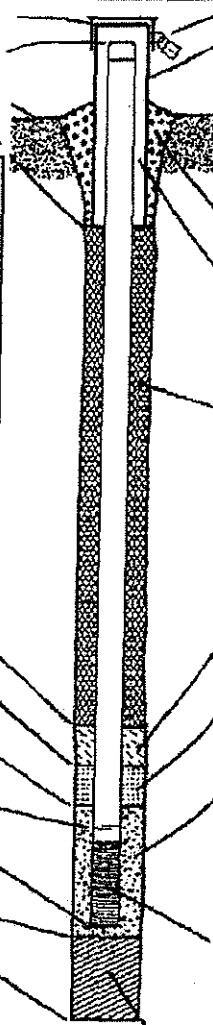
14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other

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

16. Drilling additives used? Yes No

Describe _____

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



1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: _____ in.
 b. Length: _____ ft.
 c. Material: Steel 0 4
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal:
 Bentonite 3 0
 Concrete 0 1
 Other

4. Material between well casing and protective pipe:
 Bentonite 3 0
 Other

5. Annular space seal:
 a. Granular/Chipped Bentonite 3 3
 b. _____ Lbs/gal mud weight... Bentonite-sand slurry 3 5
 c. _____ Lbs/gal mud weight... Bentonite slurry 3 1
 d. _____ % Bentonite... Bentonite-cement grout 5 0
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 0 1
 Tremie pumped 0 2
 Gravity 0 8

6. Bentonite seal:
 a. Bentonite granules 3 3
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. **#15 Red Flint**
 b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
 a. **#40 Red Flint**
 b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 Other

10. Screen material: **pvc**
 a. Screen type: Factory cut 1 1
 Continuous slot 0 1
 Other

b. Manufacturer **Johnson**
 c. Slot size: _____ in.
 d. Slotted length: _____ ft.

11. Backfill material (below filter pack): None 1 4
 Other

E. Bentonite seal, top _____ ft. MSL or **5** ft.

F. Fine sand, top _____ ft. MSL or **4** ft.

G. Filter pack, top _____ ft. MSL or **5** ft.

H. Screen joint, top _____ ft. MSL or **7** ft.

I. Well bottom _____ ft. MSL or **17** ft.

J. Filter pack, bottom _____ ft. MSL or **17** ft.

K. Borehole, bottom _____ ft. MSL or **17** ft.

L. Borehole, diameter **8.25** in.

M. O.D. well casing **2.40** in.

N. I.D. well casing **2.06** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: Darrin Prentice Firm: Geiss Soil & Samples LLC

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Facility/Project Name <u>Auto Repair</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>Mw-4</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____	Wis. Unique Well No. <u>VR627</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>02/06/2017</u>
Type of Well Well Code <u>11/MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Darrin Prantice</u> <u>Geiss Soil & Samples LLC</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8</u> in. b. Length: <u>1</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>0</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____	
17. Source of water (attach analysis, if required): _____	
E. Bentonite seal, top _____ ft. MSL or <u>5</u> ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>4</u> ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
G. Filter pack, top _____ ft. MSL or <u>5</u> ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>6</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>#15 Red Flint</u> b. Volume added _____ ft ³
I. Well bottom _____ ft. MSL or <u>16</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 Red Flint</u> b. Volume added _____ ft ³
J. Filter pack, bottom _____ ft. MSL or <u>17</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>17</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>8.25</u> in.	b. Manufacturer <u>Johnson</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>20</u> ft.
M. O.D. well casing <u>2.40</u> in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>
N. I.D. well casing <u>2.06</u> in.	

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

Signature: Darrin Prantice Firm: Geiss Soil & Samples LLC

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Facility/Project Name Auto Repair		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name MW-5	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____ " or _____		Wis. Unique Well No. VR636 DNR Well ID No. _____	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 02/06/2017 m m d d y y y y	
Type of Well Well Code 11 / MW		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Installed By: Name (first, last) and Firm Darrin Prantice Geiss Soil & Samples LLC	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
B. Well casing, top elevation _____ ft. MSL		2. Protective cover pipe: a. Inside diameter: _____ in.			
C. Land surface elevation _____ ft. MSL		b. Length: _____ ft.			
D. Surface seal, bottom _____ ft. MSL or _____ ft.		c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>			
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____			
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>			
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>			
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08			
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>			
17. Source of water (attach analysis, if required): _____		7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint			
E. Bentonite seal, top _____ ft. MSL or 5 ft.		b. Volume added _____ ft ³			
F. Fine sand, top _____ ft. MSL or 4 ft.		8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint			
G. Filter pack, top _____ ft. MSL or 5 ft.		b. Volume added _____ ft ³			
H. Screen joint, top _____ ft. MSL or 7 ft.		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>			
I. Well bottom _____ ft. MSL or 17 ft.		10. Screen material: pvc			
J. Filter pack, bottom _____ ft. MSL or 17 ft.		a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>			
K. Borehole, bottom _____ ft. MSL or 17 ft.		b. Manufacturer Johnson			
L. Borehole, diameter 8.25 in.		c. Slot size: 0.010 in.			
M. O.D. well casing 2.40 in.		d. Slotted length: 10 ft.			
N. I.D. well casing 2.06 in.		11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>			

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

Signature: Darrin Prantice Firm: Geiss Soil & Samples LLC

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

Facility/Project Name Auto Repair on Vliet	County Name MILWAUKEE	Well Name MW-1
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VR630
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input checked="" type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other	<input type="checkbox"/>	

3. Time spent developing well 44 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 5 gal.

7. Volume of water removed from well 7.5 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>12.37</u> ft.	<u>15.05</u> ft.
Date	b. <u>02 / 08 / 2017</u> m m d d y y y y	<u>02 / 08 / 2017</u> m m d d y y y y
Time	c. <u>11</u> : <u>18</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12</u> : <u>02</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) Tan	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) Light Tan
	Petro Odor & Sheen High Turbidity	Petro Odor & Sheen Low Turbidity
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

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

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party


First Name: Raisa Last Name: Beyder

Facility/Firm: c/o Anna Shtivelberg (POA)

Street: 242 E. Ravine Bay Road

City/State/Zip: Bayside WI 53217-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

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

Facility/Project Name Auto Repair on Vliet	County Name MILWAUKEE	Well Name MW-2	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VR629	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 55 min.
4. Depth of well (from top of well casing) 16 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.2 gal.
7. Volume of water removed from well 7.5 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.3</u> ft.	<u>14.86</u> ft.
Date	b. <u>02 / 08 / 2017</u> m m d d y y y y	<u>02 / 03 / 2017</u> m m d d y y y y
Time	c. <u>10</u> : <u>14</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11</u> : <u>09</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Tan</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Light Tan</u>
	<u>No Odor</u>	<u>No Odor</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>

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

14. Total suspended solids _____ mg/l

15. COD _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Eric Last Name: Dahl
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Raisa Last Name: Beyder
Facility/Firm: c/o Anna Shtivelberg (POA)
Street: 242 E. Ravine Bay Road
City/State/Zip: Bayside WI 53217-

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

Signature:

Print Name: Eric Dahl
Firm: METCO

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

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

Facility/Project Name Auto Repair on Vliet	County Name MILWAUKEE	Well Name MW-3	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VR628	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 50 min.
4. Depth of well (from top of well casing) 17 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 7.1 gal.
7. Volume of water removed from well 7.5 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|---|--|
| 11. Depth to Water (from top of well casing) | a. <u>10.5</u> ft. | <u>14.53</u> ft. |
| Date | b. <u>02 / 08 / 2017</u>
m m d d y y y y | <u>02 / 08 / 2017</u>
m m d d y y y y |
| Time | c. <u>09</u> : <u>16</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>10</u> : <u>06</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe)
<u>Tan</u>
No Odor
High Turbidity | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe)
<u>Light Tan</u>
No Odor
Low Turbidity |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | _____ mg/l | _____ mg/l |
| 15. COD | _____ mg/l | _____ mg/l |
| 16. Well developed by: Name (first, last) and Firm | | |
| First Name: | Eric | Last Name: Dahl |
| Firm: | METCO | |

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

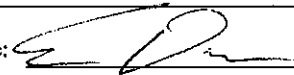
First Name: Raisa Last Name: Beyder

Facility/Firm: c/o Anna Shtivelberg (POA)

Street: 242 E. Ravine Bay Road

City/State/Zip: Bayside WI 53217-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Auto Repair on Vliet	County Name MILWAUKEE	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VR627
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input checked="" type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well 46 min.

4. Depth of well (from top of well casing) 16 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 5.4 gal.

7. Volume of water removed from well 40 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.02</u> ft.	<u>11.5</u> ft.
Date	b. <u>02 / 08 / 2017</u> m m d d y y y y	<u>02 / 08 / 2017</u> m m d d y y y y
Time	c. <u>08</u> : <u>19</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>09</u> : <u>05</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) Tan _____ No Odor _____ High Turbidity _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) Clear _____ No Odor _____ Low Turbidity _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	Eric	Last Name: Dahl
Firm:	METCO	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

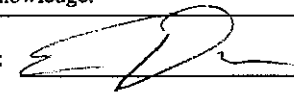
First Name: Raisa Last Name: Beyder

Facility/Firm: c/o Anna Shtivelberg (POA)

Street: 242 E. Ravine Bay Road

City/State/Zip: Bayside WI 53217-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Auto Repair on Vliet	County Name MILWAUKEE	Well Name MW-5
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VR626
		DNR Well ID Number

1. Can this well be purged dry? Yes No

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

3. Time spent developing well 162 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 5.9 gal.

7. Volume of water removed from well 45 gal.

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

9. Source of water added _____

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

11. Depth to Water Before Development After Development

(from top of well casing) a. 11.62 ft. 11.95 ft.

Date b. 02 / 07 / 2017 02 / 07 / 2017
m m d d y y y y m m d d y y y y

Time c. 09 : 47 a.m. p.m. 12 : 29 a.m. p.m.

12. Sediment in well _____ inches bottom _____ inches

13. Water clarity Clear 10 Turbid 20
Turbid 15 Turbid 25

(Describe) (Describe)
Tan Clear

No Odor No Odor

High Turbidity Low Turbidity

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

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

15. COD _____ mg/l _____ mg/l

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

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Raisa Last Name: Beyder

Facility/Firm: c/o Anna Shtivelberg (POA)

Street: 242 E. Ravine Bay Road

City/State/Zip: Bayside WI 53217-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Verification Only of Fill and Seal

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

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


County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N	Method Code (see instructions) GPS006		Facility ID (FID or PWS) 341043340
87 ° 56.7 ' W	Section 19	Township 7 N	Range 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 2481 W Vliet Street	Original Well Owner Raisa Beyder C/O Anna Shtivelberg		
Well City, Village or Town Milwaukee	Present Well Owner Raisa Beyder C/O Anna Shtivelberg		
Subdivision Name _____	Mailing Address of Present Owner 242 E Ravine Bay Rd		
Well ZIP Code 53205-	City of Present Owner Bayside		State WI
Lot # _____	ZIP Code 53217-		_____

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

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Screen removed? <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.	Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe	<input type="checkbox"/> Dug	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Required Method of Placing Sealing Material
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity
Total Well Depth From Ground Surface (ft.) 2	Casing Diameter (in.) _____	<input type="checkbox"/> Conductor Pipe-Pumped
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) _____	<input checked="" type="checkbox"/> Other (Explain): Gravity
If yes, to what depth (feet)? _____		Sealing Materials
		<input type="checkbox"/> Neat Cement Grout
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout
		<input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete
		<input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	2	3

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-1

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

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

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well		Facip #		Facility Name	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N 87 ° 56.7 ' W				Method Code (see instructions) GPS006			
1/4 SW or Gov't Lot #		Section 19		Township 7 N		Range [X] E 22 W	
Well Street Address 2481 W Vliet Street				Original Well Owner Raisa Beyder C/O Anna Shtivelberg			
Well City, Village or Town Milwaukee				Present Well Owner Raisa Beyder C/O Anna Shtivelberg			
Subdivision Name				Mailing Address of Present Owner 242 E Ravine Bay Rd			
Well ZIP Code 53205-				City of Present Owner Bayside		State ZIP Code WI 53217-	

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 2/6/2017		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		if a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): Geoprobe						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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Required Method of Placing Sealing Material			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Total Well Depth From Ground Surface (ft.) 2		Casing Diameter (in.)		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.)		Sealing Materials			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
If yes, to what depth (feet)?		Depth to Water (feet)		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry "			
				<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			

5. Material Used To Fill Well / Drillhole			
Bentonite Chips	From (ft.) Surface	To (ft.) 2	Lbs. 3
6. Comments			
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-2			

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)		License #	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879		Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017	

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Verification Only of Fill and Seal

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

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


County MILWAUKEE	WI Unique Well # of Removed Well _____	Facap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N	Method Code (see instructions) GPS006		Facility ID (FID or PWS) 341043340
87 ° 56.7 ' W	Section 19	Township 7 N	Range 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 2481 W Vliet Street	Original Well Owner Raisa Beyder C/O Anna Shtivelberg		
Well City, Village or Town Milwaukee	Present Well Owner Raisa Beyder C/O Anna Shtivelberg		
Subdivision Name _____	Well ZIP Code 53205-		
Well Street Address 2481 W Vliet Street	Mailing Address of Present Owner 242 E Ravine Bay Rd		
Well City, Village or Town Milwaukee	City of Present Owner Bayside		State WI
Subdivision Name _____	Lot # _____		ZIP Code 53217-

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

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Liner(s) removed? <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.	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <u>Geoprobe</u>		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
If yes, to what depth (feet)? _____	Depth to Water (feet) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>Gravity</u>

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	12	18

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-3

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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Verification Only of Fill and Seal

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

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

County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N	Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340	License/Permit/Monitoring # _____
87 ° 56.7 ' W	Section 19	Township 7 N	Range 22
Well Street Address 2481 W Vliet Street	Original Well Owner Raisa Beyder C/O Anna Shtivelberg	Present Well Owner Raisa Beyder C/O Anna Shtivelberg	
Well City, Village or Town Milwaukee	Well ZIP Code 53205-	Mailing Address of Present Owner 242 E Ravine Bay Rd	
Subdivision Name _____	Lot # _____	City of Present Owner Bayside	State WI
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____	ZIP Code 53217-

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

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Pump and piping removed? <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.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		Was casing cut off below surface? <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		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 14	Casing Diameter (in.) _____	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was well annular-space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 12	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity
		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	14	21

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-4

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received _____
Street or Route 709 Gillette Street, Ste 3	Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work
			Date Signed 2/9/2017

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

Verification Only of Fill and Seal

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

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

County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N 87 ° 56.7 ' W	Method Code (see instructions) GPS006		Facility ID (FID or PWS) 341043340
1/4 SW 1/4 SW or Gov't Lot #	Section 19	Township 7 N	Range 22 E
Well Street Address 2481 W Vliet Street			Original Well Owner Raisa Beyder C/O Anna Shtivelberg
Well City, Village or Town Milwaukee			Present Well Owner Raisa Beyder C/O Anna Shtivelberg
Subdivision Name _____			Mailing Address of Present Owner 242 E Ravine Bay Rd
Well ZIP Code 53205-			City of Present Owner Bayside
Lot # _____			State WI
Reason For Removal From Service Sampling Complete			ZIP Code 53217-
WI Unique Well # of Replacement Well _____			

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

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Pump and piping removed? <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.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <u>Geoprobe</u>		Was casing cut off below surface? <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		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.) _____	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	If yes, was hole relapped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 13.6	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped		
<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input checked="" type="checkbox"/> Other (Explain): <u>Gravity</u>
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		
<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry		
<input type="checkbox"/> Concrete <input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-5

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

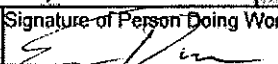
Verification Only of Fill and Seal

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

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well		Facility Name		Facility ID (FID or PWS) 341043340	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006		License/Permit/Monitoring #		Original Well Owner Raisa Beyder C/O Anna Shtivelberg	
87 ° 56.7 ' W		Section 19		Township 7 N		Range 22 E	
Well Street Address 2481 W Vliet Street		or Gov't Lot #		Present Well Owner Raisa Beyder C/O Anna Shtivelberg		Mailing Address of Present Owner 242 E Ravine Bay Rd	
Well City, Village or Town Milwaukee		Well ZIP Code 53205-		City of Present Owner Bayside		State WI	
Subdivision Name		Lot #		ZIP Code 53217-			

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 2/6/2017		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): Geoprobe						Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:						If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) 16		Casing Diameter (in.)		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.)		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
If yes, to what depth (feet)?		Depth to Water (feet) 10		Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Concrete <input 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			From (ft.)	To (ft.)	Lbs.
Bentonite Chips			Surface	16	24
6. Comments					
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-6					

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)		License #	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879		Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017	

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Verification Only of Fill and Seal

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

1. Well Location Information			2. Facility / Owner Information		
County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____		
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340		
87 ° 56.7 ' W			License/Permit/Monitoring # _____		
1/4 SW	1/4 SW	Section 19	Township 7 N	Range 22 E	Original Well Owner Raisa Beyder C/O Anna Shtivelberg
or Gov't Lot # _____					Present Well Owner Raisa Beyder C/O Anna Shtivelberg
Well Street Address 2481 W Vliet Street			Mailing Address of Present Owner 242 E Ravine Bay Rd		
Well City, Village or Town Milwaukee		Well ZIP Code 53205-		City of Present Owner Bayside	
Subdivision Name _____		Lot # _____		State WI	ZIP Code 53217-

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Liner(s) removed?	<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.	Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did material settle after 24 hours? If yes, was hole retopped?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.) _____	Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped	
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input checked="" type="checkbox"/> Other (Explain): Gravity		
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 13	Sealing Materials			
If yes, to what depth (feet)? _____		<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "		
		<input type="checkbox"/> Concrete	<input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-7

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

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

County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) _____	
87 ° 56.7 ' W		GPS006	
1/4 SW or Gov't Lot # _____	Section 19	Township 7 N	Range 22 E
Well Street Address 2481 W Vliet Street			Original Well Owner Raisa Beyder C/O Anna Shtivelberg
Well City, Village or Town Milwaukee			Present Well Owner Raisa Beyder C/O Anna Shtivelberg
Well ZIP Code 53205-			Mailing Address of Present Owner 242 E Ravine Bay Rd
Subdivision Name _____		Lot # _____	City of Present Owner Bayside
State WI		ZIP Code 53217-	

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

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> 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 <input type="checkbox"/> If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 2/6/2017
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.) _____	
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, to what depth (feet)? _____	Depth to Water (feet) 12.8	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-8

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received _____	Noted By _____	
Street or Route 709 Gillette Street, Ste 3			Telephone Number (608) 781-8879		Comments _____
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 		Date Signed 2/9/2017

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

Verification Only of Fill and Seal

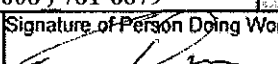
Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well _____		Facility Name _____		Facility ID (FID or PWS) 341043340	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006		License/Permit/Monitoring # _____		Original Well Owner Raisa Beyder C/O Anna Shtivelberg	
87 ° 56.7 ' W		Section 19		Township 7 N		Range 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 2481 W Vliet Street		Present Well Owner Raisa Beyder C/O Anna Shtivelberg		Mailing Address of Present Owner 242 E Ravine Bay Rd		City of Present Owner Bayside	
Well City, Village or Town Milwaukee		Well ZIP Code 53205-		State WI		ZIP Code 53217-	
Subdivision Name _____		Lot # _____		4. Pump, Liner, Screen, Casing & Sealing Material			

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3. Well / Drillhole / Borehole Information				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 2/6/2017		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe		If a Well Construction Report is available, please attach. _____		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	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.) 16		Casing Diameter (in.) _____	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) _____		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)? _____		Depth to Water (feet) 12		5. Material Used To Fill Well / Drillhole	

From (ft.)	To (ft.)	Lbs.
Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-9

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)		License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879		Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017	

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

Verification Only of Fill and Seal

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

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

County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340
87 ° 56.7 ' W		GPS006	License/Permit/Monitoring # _____
1/4 SW or Gov't Lot #	1/4 SW	Section 19	Original Well Owner Raisa Beyder C/O Anna Shtivelberg
		Township 7 N	Present Well Owner Raisa Beyder C/O Anna Shtivelberg
		Range 22	Mailing Address of Present Owner 242 E Ravine Bay Rd
		Range [X] E	City of Present Owner Bayside
		[] W	State WI
Well Street Address 2481 W Vliet Street	Well ZIP Code 53205-	ZIP Code 53217-	
Well City, Village or Town Milwaukee	Lot # _____		
Subdivision Name _____			

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

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/6/2017	Liner(s) removed? <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. _____	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.) _____	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 12.3	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity
If yes, to what depth (feet)? _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-10

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

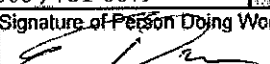
Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well		Facility Name		Facility ID (FID or PWS) 341043340	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N 87 ° 56.7 ' W		Method Code (see instructions) GPS006		License/Permit/Monitoring #		Original Well Owner Raisa Beyder C/O Anna Shtivelberg	
1/4 SW or Gov't Lot #		Section 19	Township 7 N	Range 22	<input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Raisa Beyder C/O Anna Shtivelberg
Well Street Address 2481 W Vliet Street				Mailing Address of Present Owner 242 E Ravine Bay Rd			
Well City, Village or Town Milwaukee				Well ZIP Code 53205-			
Subdivision Name				City of Present Owner Bayside		State WI	ZIP Code 53217-

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 2/6/2017		Liner(s) removed? <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.		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): Geoprobe				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) 14		Casing Diameter (in.)		If yes, was hole relotted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) 12.4		Required Method of Placing Sealing Material	
If yes, to what depth (feet)?				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	14	21

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-11

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License #	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

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

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		MI Unique Well # of Removed Well _____		Facility Name		Facility ID (FID or PWS) 341043340	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006		License/Permit/Monitoring #			
87 ° 56.7 ' W				Original Well Owner Raisa Beyder C/O Anna Shtivelberg			
1/4 SW or Gov't Lot #		Section 19	Township 7 N	Range 22	<input checked="" type="checkbox"/> E <input type="checkbox"/> W		
Well Street Address 2481 W Vliet Street				Present Well Owner Raisa Beyder C/O Anna Shtivelberg			
Well City, Village or Town Milwaukee				Mailing Address of Present Owner 242 E Ravine Bay Rd			
Subdivision Name				City of Present Owner Bayside		State WI	ZIP Code 53217-

Reason For Removal From Service Sampling Complete		MI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information				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 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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 2/6/2017		Required Method of Placing Sealing Material			
Construction Type:		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe				Sealing Materials			
Formation Type:				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips			
Total Well Depth From Ground Surface (ft.) 12		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only:			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.)		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Was well annular-space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) 10.4					

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	12	18

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-12

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License #	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

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

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

County MILWAUKEE	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340
87 ° 56.7 ' W		GPS006	License/Permit/Monitoring # _____
1/4 SW or Gov't Lot # _____	Section 19	Township 7 N	Range 22
Well Street Address 2481 W Vliet Street		Original Well Owner Raisa Beyder C/O Anna Shtivelberg	
Well City, Village or Town Milwaukee		Well ZIP Code 53205-	
Subdivision Name _____		Lot # _____	
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 2/6/2017	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe		If a Well Construction Report is available, please attach. _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity	
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____	Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	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	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) 10.6	

3. Well / Drillhole / Borehole Information **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
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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A


5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	Lbs.
Surface	12	18

6. Comments

Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-13

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

Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/6/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

Route to:

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

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

County: **MILWAUKEE** MI Unique Well # of Removed Well: _____ Hicap #: _____

Latitude / Longitude (Degrees and Minutes): **43** ° **2.9** ' N Method Code (see instructions): **GPS006**

87 ° **56.7** ' W

Section: **19** Township: **7 N** Range: **22** E W

Well Street Address: **2481 W Vliet Street**

Well City, Village or Town: **Milwaukee** Well ZIP Code: **53205-**

Subdivision Name: _____ Lot #: _____

Facility Name: _____

Facility ID (FID or PWS): **341043340**

License/Permit/Monitoring #: _____

Original Well Owner: **Raisa Beyder C/O Anna Shtivelberg**

Present Well Owner: **Raisa Beyder C/O Anna Shtivelberg**

Mailing Address of Present Owner: **242 E Ravine Bay Rd**

City of Present Owner: **Bayside** State: **WI** ZIP Code: **53217-**

Reason For Removal From Service: **Sampling Complete** MI Unique Well # of Replacement Well: _____

3. Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy): **2/7/2017**

Water Well

Borehole / Drillhole If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): **Geoprobe**

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): **12** Casing Diameter (in.): _____

Lower Drillhole Diameter (in.): **2** Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet): **11**

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

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): **Gravity**

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)

Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "

Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	12	18

6. Comments

Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-14

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	Date Received	Noted By
Eric Dahl (METCO)		2/7/2017		
Street or Route	Telephone Number	Comments		
709 Gillette Street, Ste 3	(608) 781-8879			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		2/9/2017

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

Verification Only of Fill and Seal

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

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

County MILWAUKEE	WI Unique Well # of Removed Well	Hicap #	Facility Name
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N 87 ° 56.7 ' W	Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340	License/Permit/Monitoring #
1/4 SW or Gov't Lot #	Section 19	Township 7 N	Range 22 E
Well Street Address 2481 W Vliet Street	Well City, Village or Town Milwaukee	Well ZIP Code 53205-	Original Well Owner Raisa Beyder C/O Anna Shtivelberg
Subdivision Name	Lot #	City of Present Owner Bayside	Present Well Owner Raisa Beyder C/O Anna Shtivelberg
Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well	State WI	Mailing Address of Present Owner 242 E Ravine Bay Rd
3. Well / Drillhole / Borehole Information		ZIP Code 53217-	

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

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/7/2017	Pump and piping removed? <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.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.)	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.)	Required Method of Placing Sealing Material
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
If yes, to what depth (feet)?	Depth to Water (feet) 15.5	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity

5. Material Used To Fill Well / Drillhole		Sealing Materials
Bentonite Chips	From (ft.) Surface	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
	To (ft.) 16	<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "
	Lbs. 24	<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips

6. Comments		For Monitoring Wells and Monitoring Well Boreholes Only:
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-15		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

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

Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License #	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received	Noted By
Street or Route 709 Gillette Street, Ste 3	Telephone Number (608) 781-8879	Comments		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work	Date Signed 2/9/2017

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

Verification Only of Fill and Seal

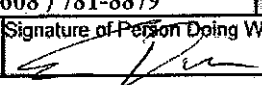
Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well _____		Facility Name _____		Facility ID (FID or PWS) 341043340	
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N		Method Code (see instructions) GPS006		License/Permit/Monitoring # _____		Original Well Owner Raisa Beyder C/O Anna Shtivelberg	
87 ° 56.7 ' W		Section 19		Township 7 N		Range 22	
Well Street Address 2481 W Vliet Street		Present Well Owner Raisa Beyder C/O Anna Shtivelberg		Mailing Address of Present Owner 242 E Ravine Bay Rd		City of Present Owner Bayside	
Well City, Village or Town Milwaukee		Well ZIP Code 53205-		State WI		ZIP Code 53217-	
Subdivision Name _____		Lot # _____					

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 2/7/2017		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		if a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): Geoprobe						Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:						If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) 16		Casing Diameter (in.) _____		Required Method of Placing Sealing Material			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) _____		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
If yes, to what depth (feet)? _____		Depth to Water (feet) 15		Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Concrete <input 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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-16

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)		License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3			Telephone Number (608) 781-8879	Comments _____	
City La Crosse		State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

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Verification Only of Fill and Seal

Route to:

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

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

County MILWAUKEE	MI Unique Well # of Removed Well _____	Hicap # _____	Facility Name _____
Latitude / Longitude (Degrees and Minutes) 43 ° 2.9 ' N 87 ° 56.7 ' W	Method Code (see instructions) GPS006	Facility ID (FID or PWS) 341043340	License/Permit/Monitoring # _____
¼/¼ SW ¼ SW Section or Gov't Lot # 19	Township 7 N	Range [X] E 22	Original Well Owner Raisa Beyder C/O Anna Shtivelberg
Well Street Address 2481 W Vliet Street	Well ZIP Code 53205-	City of Present Owner Bayside	State WI
Well City, Village or Town Milwaukee	Well ZIP Code 53205-	City of Present Owner Bayside	State WI
Subdivision Name _____	Lot # _____	City of Present Owner Bayside	State WI
Subdivision Name _____	Lot # _____	City of Present Owner Bayside	State WI
Subdivision Name _____	Lot # _____	City of Present Owner Bayside	State WI

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

Reason For Removal From Service Sampling Complete	MI Unique Well # of Replacement Well _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No [X] N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 2/7/2017	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No [X] N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No [X] N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No [X] N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No [X] N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did material settle after 24 hours? if yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 16	Casing Diameter (in.) _____	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips
If yes, to what depth (feet)? _____	Depth to Water (feet) 13	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	From (ft.)	To (ft.)	Lbs.
Bentonite Chips	Surface	16	24

6. Comments
Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision.
Geoprobe boring G-17

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl (METCO)	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 2/7/2017	Date Received _____	Noted By _____
Street or Route 709 Gillette Street, Ste 3	Telephone Number (608) 781-8879	Comments _____		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 2/9/2017

Site Investigation Report - METCO
Auto Repair on Vliet
APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

**Site Investigation Report - METCO
Auto Repair on Vliet
APPENDIX E/ OTHER DOCUMENTATION**

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

Petroleum Substance Discharged	Analysis of Samples Collected for UST Tank Closure Assessments	Solid Waste Program Requirements for Soils to be Landfilled ⁵	Site Investigation, Pretreatment and Posttreatment Sample Analysis ¹¹
Regular Gasoline	GRO ²	Free Liquids ⁶ GRO Benzene ⁷ Pb ⁷ Haz. Waste Deter. ⁸	GRO VOC/PVOC ¹⁵ Pb ¹²
Unleaded Gasoline; Grades 80 100, and 100 LL (Low Lead) Aviation Fuel	GRO ²	Free Liquids ⁶ GRO Benzene ⁷ Pb ⁷ Haz. Waste Deter. ⁸	GRO PVOC
Diesel; Jet Fuels; and No's 1, 2, and 4 Fuel Oil	DRO ³	Free Liquids ⁶ DRO Benzene ⁷ Haz. Waste Deter. ⁸	DRO ³ PVOC PAH ^{13 14}
Crude Oil; Lubricating Oils; No. 6 Fuel Oil	DRO ³	Free Liquids ⁶ DRO Haz. Waste Deter. ⁸	DRO ³ PAH ^{13 14}
Unknown Petroleum	GRO ⁷ and DRO ^{3 4}	Free Liquids ⁶ GRO and DRO Pb, Cd ⁷ Haz. Waste Deter. ⁸ CN ¹⁹ S ^{2 10}	GRO and DRO ^{3 4} VOC/PVOC ¹⁵ PAH ^{13 14} Pb, Cd ¹²
Waste Oil	DRO ³	Free Liquids ⁶ DRO Pb, Cd ⁷ Haz. Waste Deter. ⁸ CN ¹⁹ S ^{2 10}	DRO ³ VOC/PVOC ¹⁵ PAH ^{13 14} PCBs ¹⁶ Pb, Cd ¹²

Abbreviations:

GRO - Gasoline Range Organics, Determined by the Wisconsin Modified GRO Method

DRO - Diesel Range Organics, Determined by the Wisconsin Modified DRO Method

VOC - Volatile Organic Compounds (See Section 11.1 for a list of VOC compounds)

PVOC - Petroleum Organic Compounds (See Section 11.2 for a list of PVOC compounds)

PAH - Polynuclear Aromatic Hydrocarbons (See Section 11.3 for a list of the PAH compounds)

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

**TABLE 1
SAMPLE & PRESERVATION REQUIREMENTS FOR WATER and
DRINKING WATER SAMPLES**

Test	Original Sample Container	Preserved	Holding Time to Analysis
WET CHEMISTRY			
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days
Cyanide SW846 9012A/SM4500-CN-C	1000 mL HDPE	4°C, pH>12 with NaOH	14 days
Flashpoint SW846 1010	250 mL HDPE	4°C	28 days
Fluoride EPA 300.0	250 mL HDPE	4°C	28 days
Hardness SW846 6010B	250 mL HDPE	4°C, pH<2 with HNO ₃	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Nitrate EPA 300.0	250 mL HDPE	4°C	48 hours
Nitrate+Nitrite EPA 300.0	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Nitrite EPA 300.0	250 mL HDPE	4°C	48 hours
Oil & Grease EPA 1664	1 Liter Glass	4°C, pH<2 with H ₂ SO ₄	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H ₂ SO ₄ or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H ₂ SO ₄	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H ₂ SO ₄	28 days
Sulfate EPA 300.0	250 mL HDPE	4°C	28 days
Total Dissolved Solids EPA 160.1	250 ml HDPE	4°C	7 days
Total Solids EPA 160.3	250 ml HDPE	4°C	7 days
Total Suspended Solids EPA 160.2	250 mL HDPE	4°C	7 days
METALS			
Metals	250 mL HDPE	4°C, pH<2 with HNO ₃	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO ₃	28 days
ORGANICS			
Semivolatiles SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr
PAH SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted	4°C	7 days extr. 40 days following extr
PCB SW846 8082	1 Liter amber glass, collect 2 for one of the samples submitted.	4°C	7 days extr. 40 days following extr
DRO, Modified DNR Sep 95	1 Liter amber glass with Teflon lined cap	4°C, 5 mL 50% HCl	7 days extr. 40 days following extr
VOC'S SW846 8260B/EPA524.2	(3) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl, No Headspace	14 days
GRO/VOC	(4) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO, Modified DNR Sep 95	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO/PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days

All samples are to be cooled to 4°C until tested.

HDPE = High Density Polyethylene.

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

**TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES**

Test	Original Sample Container	Preserved	Holding Times from Date and Time of Collection			
			Solvent Addition	Shipping	Extraction	Analysis
METALS						
Metals	2 oz glass or soil cup	4°C	NA	NA	NA	180 days
Mercury SW846 7471	2 oz glass or soil cup	4°C	NA	NA	NA	28 days
Chromium Hexavalent SM3500-Cr	2 oz glass or soil cup	4°C	NA	NA	NA	24 hours
ORGANICS						
Any combinations of GRO, VOC, PVOC	1- tared VOC vial with 10 mls methanol, 13 grams of soil collected with syringe	4°C, 1:1 with methanol	Immediately	4 days	21 days	21 days
DRO, Modified	1- tared VOC vial, 13 grams of soil collected with syringe jar	4°C, Hexane	10 days	4 days	47 days	47 days
PAH, SW846 8270C	2 oz glass untared	4°C	NA	NA	14 days	40 days
Semivolatle SW846 8270C	2 oz glass untared	4°C	NA	NA	14 days	40 days
PCB SW846 8082	2 oz glass untared	4°C	NA	NA	14 days	40 days

All samples are to be cooled to 4°C until tested.

Residential setting. Not-To-Exceed D-C RCLs from web-calculator at: http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search (Chicago as climatic zone).
 Not-To-Exceed D-C RCL defaults to 100,000 mg/kg if web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in EPA RSL Users Guide).
 Basis: ca = cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%.
 Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: <http://pubs.usgs.gov/sir/2011/5202/>.

1. Enter data in yellow cells. Numeric-only values under "INPUT Site Data." For ND, use detection limit. Do not type '-', 'NA' nor 'space bar.' Leave purple cells "as is."
2. After completing data entry, see Summary in Row 924.

A.7 Other

Site Name:
 Sample ID:

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Comparison / Hazard Index / Cumulative Cancer Risk		
								Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.000	1.600	1.600	ca					
Ethylbenzene	100-41-4	4,080.000	8.020	8.020	ca					
Toluene	108-88-3	5,240.000		818.000	Csat					
Xylenes	1330-20-7		818.000	260.000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.000	63.800	63.800	ca					
Dichloroethane, 1,2-	107-06-2	43.700	652	652	ca					
Dibromoethane, 1,2-	106-93-4	100.000	050	050	ca					
Trichloroethylene	79-01-6	5,680	1,300	1,300	ca					
Tetrachloroethylene	127-18-4	109.000	33.000	33.000	ca					
Vinyl Chloride	75-01-4	89.200	067	067	ca					
Dichloroethylene, 1,1-	75-35-4	320.000		320.000	nc					
Dichloroethylene, 1,2-trans-	156-60-5	1,560.000		1,560.000	nc					
Dichloroethylene, 1,2-cis-	156-59-2	156.000		156.000	nc					
Trichloroethane, 1,1,1-	71-55-6	11,500.000		640.000	Csat					
Carbon Tetrachloride	56-23-5	131.000	916	916	ca					
Trimethylbenzene, 1,2,4-	95-63-6	373.000		219.000	Csat					
Trimethylbenzene, 1,3,5-	108-67-8	339.000		182.000	Csat					
Naphthalene	91-20-3	178.000	5,520	5,520	ca					
Benzo[a]pyrene	50-32-8	17.800	115	115	ca					
Acenaphthene	83-32-9	3,590.000		3,590.000	nc					
Acenaphthylene	208-96-8									
Anthracene	120-12-7	17,900.000		17,900.000	nc					
Benz[a]anthracene	56-55-3		1,140	1,140	ca					
Benzo[b]fluoranthene	205-82-3		424	424	ca					
Benzo[k]fluoranthene	205-99-2		1,150	1,150	ca					
Benzo[g,h,i]perylene	191-24-2									
Benzo[k]fluoranthene	207-09-9		11,500	11,500	ca					
Chrysene	218-01-9		115.000	115.000	ca					
Dibenz[a,h]anthracene	53-70-3		115	115	ca					
Dibenzo[a,e]pyrene	192-65-4		042	042	ca					
Dimethylbenz[a]anthracene, 7,12-	57-97-6		4.59E-04	4.59E-04	ca					
Fluoranthene	206-44-0	2,390.000		2,390.000	nc					
Fluorene	86-73-7	2,390.000		2,390.000	nc					
Indeno[1,2,3-cd]pyrene	193-39-5		1,150	1,150	ca					
Methylnaphthalene, 1-	90-12-0	4,180.000	17.600	17,600	ca					
Methylnaphthalene, 2-	91-57-6	239.000		239.000	nc					
Nitropyrene, 4-	57835-92-4		424	424	ca					
Perylene	198-55-0									
Phenanthrene	85-01-8									
Pyrene	129-00-0	1,790.000		1,790.000	nc					
Lead and Compounds	7439-92-1	400.000		400.000		52				
Bromobenzene	108-86-1	342.000		342.000	nc					
Bromodichloromethane	75-27-4	1,560.000	418	418	ca					
Bromoform	75-25-2	1,560.000	25,400	25,400	ca					
Butylbenzene, n-	104-51-8	3,910.000		108.000	Csat					
Butylbenzene, sec-	135-98-8	7,820.000		145.000	Csat					
Butylbenzene, tert-	98-06-6	7,820.000		183.000	Csat					
Chlorobenzene	108-90-7	370.000		370.000	nc					
Chloroform	67-66-3	259.000	454	454	ca					
Chloromethane	74-87-3	159.000		159.000	nc					
Chlorotoluene, o-	95-49-8	1,560.000		907.000	Csat					
Chlorotoluene, p-	106-43-4	1,560.000		253.000	Csat					
Dibromo-3-chloropropane, 1,2-	96-12-8	5,960	008	008	ca					
Dibromochloromethane	124-48-1	1,560.000	8,280	8,280	ca					
Dichlorobenzene, 1,2-	95-50-1	2,350.000		376.000	Csat					
Dichlorobenzene, 1,3-	541-73-1			297.000	Csat					
Dichlorobenzene, 1,4-	106-46-7	3,810.000	3,740	3,740	ca					
Dichlorodifluoromethane	75-71-8	126.000		126.000	nc					
Dichloroethane, 1,1-	75-34-3	15,600.000	5,060	5,060	ca					
Dichloropropane, 1,2-	78-87-5	22,600	406	406	ca					
Dichloropropane, 1,3-	142-28-9	1,560.000		1,490.000	Csat					
Dichloropropane, 2,2-	594-20-7			191.000	Csat					
Diisopropyl Ether	108-20-3	3,220.000		2,260.000	Csat					
Hexachlorobutadiene	87-88-3	78.200	1,630	1,630	ca					
Isopropyltoluene, p-	99-87-6			162.000	Csat					
Methylene Chloride	75-09-2	379.000	61,800	61,800	ca					
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.000	2,780	2,780	ca					
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560.000	810	810	ca					
Trichlorobenzene, 1,2,3-	87-61-6	62,600		62,600	nc					
Trichlorobenzene, 1,2,4-	120-82-1	80,800	24,000	24,000	ca					
Trichloroethane, 1,1,2-	79-00-5	2,160	1,590	1,590	ca					
Trichlorofluoromethane	75-69-4	23,500.000		1,230.000	Csat					
Test1Chem(DRO)	Wis. DRO									
Test2Chem(GRO)	Wis. GRO									
Test3Chem(TPH)	TPH									
Type BRRTS No. Here (If Known)								0	0.00E+00	0.00E+00
								Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
								To Pass, data must meet all these criteria:		
								Bottom-Line: Soil Data Entry Needed!		

Residual Contaminant Levels Protective of Groundwater Quality
(Soil-to-Groundwater Scenario Results from: http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (if Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance!
Acetochlor	34256-82-1	-	7	5.58E-03			1.12E-02	
Acetone	67-64-1	-	9000	1.85E+00			3.69E+00	
Alachlor	15972-60-8	2	2	1.65E-03			3.30E-03	
Aldicarb	116-06-3	3	10	2.49E-03			4.99E-03	
Aluminum	7429-90-5	-	200	3.01E+02			6.01E+02	
Antimony	7440-36-0	6	6	2.71E-01			5.42E-01	
Anthracene	120-12-7	-	3000	9.84E+01			1.97E+02	
Arsenic	7440-38-2	10	10	2.92E-01			5.84E-01	
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03			3.90E-03	
Barium	7440-39-3	2000	2000	8.24E+01			1.65E+02	
Bentazon	25057-89-0	-	300	6.59E-02			1.32E-01	
Benzene	71-43-2	5	5	2.56E-03			5.12E-03	
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01			4.70E-01	
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01			4.80E-01	
Beryllium	7440-41-7	4	4	3.16E+00			6.32E+00	
Boron	7440-42-8	-	1000	3.20E+00			6.40E+00	
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04			3.26E-04	
Bromoform (THM)	75-25-2	80	4.4	1.17E-03			2.33E-03	
Bromomethane	74-83-9	-	10	2.53E-03			5.06E-03	
Butylate	2008-41-5	-	400	3.88E-01			7.76E-01	
Cadmium	7440-43-9	5	5	3.76E-01			7.52E-01	
Carbaryl	63-25-2	-	40	3.64E-02			7.27E-02	
Carbofuran	1563-66-2	40	40	1.56E-02			3.12E-02	
Carbon disulfide	75-15-0	-	1000	2.97E-01			5.93E-01	
Carbon tetrachloride	56-23-5	5	5	1.94E-03			3.88E-03	
Chloramben	133-90-4	-	150	3.63E-02			7.27E-02	
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00			5.79E+00	
Chloroethane	75-00-3	-	400	1.13E-01			2.27E-01	
Chloroform (THM)	67-66-3	80	6	1.67E-03			3.33E-03	
Chlorpyrifos	2921-88-2	-	2	2.95E-02			5.90E-02	
Chloromethane	74-87-3	-	30	7.76E-03			1.55E-02	
Chromium (total)	7440-47-3	100	100	1.80E+05			3.60E+05	
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02			1.45E-01	
Cobalt	7440-48-4	-	40	1.81E+00			3.62E+00	
Copper	7440-50-8	1300	1300	4.58E+01			9.16E+01	
Cyanazine	21725-46-2	-	1	4.68E-04			9.37E-04	
Cyanide, free	57-12-5	200	200	2.02E+00			4.04E+00	
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02			1.71E-01	
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05			2.82E-05	
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02			3.20E-02	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05			1.73E-04	
Dibutyl phthalate	84-74-2	-	1000	2.52E+00			5.04E+00	
Dicamba	1918-00-9	-	300	7.76E-02			1.55E-01	
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01			1.17E+00	
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01			1.15E+00	
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02			1.44E-01	
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00			3.08E+00	
1,1-Dichloroethane	75-34-3	-	850	2.42E-01			4.84E-01	
1,2-Dichloroethane	107-06-2	5	5	1.42E-03			2.84E-03	
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03			5.02E-03	
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02			4.12E-02	
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02			5.88E-02	
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02			3.62E-02	
1,2-Dichloropropane	78-67-5	5	5	1.66E-03			3.32E-03	
1,3-Dichloropropane (cis/trans) (fatsol)	542-75-6	-	0.4	1.43E-04			2.85E-04	
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00			2.88E+00	
Dimethoate	60-51-5	-	2	4.51E-04			9.02E-04	
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05			1.35E-04	
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05			1.38E-04	
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05			1.38E-04	
Dinoseb	88-85-7	7	7	6.15E-02			1.23E-01	
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04			1.24E-03	
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05			3.00E-05	
Endrin	72-20-8	2	2	8.08E-02			1.62E-01	
EPTC	759-94-4	-	250	1.32E-01			2.64E-01	
Ethylbenzene	100-41-4	700	700	7.85E-01			1.57E+00	
Ethyl Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01			4.47E-01	
Ethylene glycol	107-21-1	-	14000	2.82E+00			5.64E+00	
Fluoranthene	206-44-0	-	400	4.44E+01			8.88E+01	
Fluorene (PAH)	85-73-7	-	400	7.41E+00			1.48E+01	

Type BRRTS No.
Here (If Known).
Assess groundwater
levels separately.

Re-assess if Cr-VI present

Residual Contaminant Levels Protective of Groundwater Quality
 (Soil-to-Groundwater Scenario Results from: http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance
Fluoride	7782-41-4	4000	4000	6.01E+02			1.20E+03	
Fluorotrichloromethane	75-69-4	-	3490	2.23E+00			4.47E+00	
Formaldehyde	50-00-0	-	1000	2.02E-01			4.04E-01	
Heptachlor	76-44-8	0.4	0.4	3.31E-02			6.62E-02	
Heptachlor epoxide	1024-57-3	0.2	0.2	4.08E-03			8.16E-03	
Hexachlorobenzene	118-74-1	1	1	1.26E-02			2.52E-02	
n-Hexane	110-54-3	-	600	4.22E+00			8.44E+00	
Lead	7439-92-1	15	15	1.35E+01			2.70E+01	
Lindane	58-89-9	0.2	0.2	1.16E-03			2.32E-03	
Manganese	7439-96-5	-	300	1.96E+01			3.91E+01	
Mercury	7439-97-6	2	2	1.04E-01			2.08E-01	
Methanol	67-56-1	-	5000	1.01E+00			2.03E+00	
Methoxychlor	72-43-5	40	40	2.16E+00			4.32E+00	
Methylene chloride	75-09-2	5	5	1.28E-03			2.56E-03	
Methyl ethyl ketone (MEK)	78-93-3	-	4000	8.39E-01			1.68E+00	
Methyl isobutyl ketone (MIBK)	108-10-1	-	500	1.13E-01			2.26E-01	
Methyl tert-butyl ether (MTBE)	1634-04-4	-	60	1.35E-02			2.70E-02	
Metolachlor/s-Metolachlor	51218-45-2	-	100	1.17E-01			2.34E-01	
Metribuzin	21087-64-9	-	70	2.14E-02			4.28E-02	
Molybdenum	7439-98-7	-	40	8.08E-01			1.62E+00	
Monochlorobenzene	108-90-7	100	100	6.79E-02			1.36E-01	
Naphthalene	91-20-3	-	100	3.29E-01			6.59E-01	
Nickel	7440-02-0	-	100	6.50E+00			1.30E+01	
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02			7.64E-02	
Pentachlorophenol (PCP)	87-86-5	1	1	1.01E-02			2.02E-02	
Phenol	108-95-2	-	2000	1.15E+00			2.30E+00	
Picloram	1918-02-1	500	500	1.39E-01			2.78E-01	
Polychlorinated biphenyls (PCBs)	1336-36-3	0.5	0.03	4.69E-03			9.38E-03	
Prometon	1610-18-0	-	100	4.75E-02			9.49E-02	
Propazine	139-40-2	-	10	8.86E-03			1.77E-02	
Pyrene (PAH)	129-00-0	-	250	2.72E+01			5.45E+01	
Pyridine	110-86-1	-	10	3.44E-03			6.87E-03	
Selenium	7782-49-2	50	50	2.60E-01			5.20E-01	
Silver	7440-22-4	-	50	4.25E-01			8.50E-01	
Simazine	122-34-9	4	4	1.97E-03			3.94E-03	
Styrene	100-42-5	100	100	1.10E-01			2.20E-01	
Tertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03			4.90E-03	
1,1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02			5.33E-02	
1,1,2,2-Tetrachloroethane	79-34-5	-	0.2	7.80E-05			1.56E-04	
Tetrachloroethylene (PCE)	127-18-4	5	5	2.27E-03			4.54E-03	
Tetrahydrofuran	109-99-9	-	50	1.11E-02			2.22E-02	
Thallium	7440-28-0	2	2	1.42E-01			2.84E-01	
Toluene	108-88-3	1000	800	5.54E-01			1.11E+00	
Toxaphene	8001-35-2	3	3	4.64E-01			9.28E-01	
1,2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01			4.08E-01	
1,1,1-Trichloroethane	71-55-6	200	200	7.01E-02			1.40E-01	
1,1,2-Trichloroethane	79-00-5	5	5	1.62E-03			3.24E-03	
Trichloroethylene (TCE)	79-01-6	5	5	1.79E-03			3.58E-03	
2,4,6-Trichlorophenoxy acetic acid (2,4,6-TCPA)	93-72-1	50	50	2.75E-02			5.50E-02	
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02			5.20E-02	
Trifluralin	1582-09-8	-	7.5	2.48E-01			4.95E-01	
Triethylamine (TEA) and 1,3,5-cyanoguanidine	95-63-6 / 108-67-8	-	480	6.90E-01			1.38E+00	
Vanadium	7440-62-2	-	-	-			-	
Vinyl chloride	75-01-4	2	0.2	6.90E-05			1.38E-04	
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00			3.94E+00	

Type BRRTS No.
Here (If Known).
Assess groundwater
levels separately.

Site-specific

Resident Equation Inputs for Soil

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1.0E-6
LT (lifetime) year	70
ET _{res} (exposure time) hour	24
ET _{res-c} (child exposure time) hour	24
ET _{res-a} (adult exposure time) hour	24
ET _{0.2} (mutagenic exposure time) hour	24
ET ₂₋₆ (mutagenic exposure time) hour	24
ET ₆₋₁₆ (mutagenic exposure time) hour	24
ET ₁₆₋₂₆ (mutagenic exposure time) hour	24
ED _{res} (exposure duration) year	26
ED _{res-c} (exposure duration - child) year	6
ED _{res-a} (exposure duration - adult) year	20
ED _{0.2} (mutagenic exposure duration) year	2
ED ₂₋₆ (mutagenic exposure duration) year	4
ED ₆₋₁₆ (mutagenic exposure duration) year	10
ED ₁₆₋₂₆ (mutagenic exposure duration) year	10
BW _{res-c} (body weight - child) kg	15
BW _{res-a} (body weight - adult) kg	80
BW _{0.2} (mutagenic body weight) kg	15
BW ₂₋₆ (mutagenic body weight) kg	15
BW ₆₋₁₆ (mutagenic body weight) kg	80
BW ₁₆₋₂₆ (mutagenic body weight) kg	80
SA _{res-c} (skin surface area - child) cm ² /day	2373
SA _{res-a} (skin surface area - adult) cm ² /day	6032
SA _{0.2} (mutagenic skin surface area) cm ² /day	2373
SA ₂₋₆ (mutagenic skin surface area) cm ² /day	2373
SA ₆₋₁₆ (mutagenic skin surface area) cm ² /day	6032
SA ₁₆₋₂₆ (mutagenic skin surface area) cm ² /day	6032
EF _{res} (exposure frequency) day/year	350
EF _{res-c} (exposure frequency - child) day/year	350
EF _{res-a} (exposure frequency - adult) day/year	350
EF _{0.2} (mutagenic exposure frequency) day/year	350

Site-specific

Resident Equation Inputs for Soil

Variable	Value
$EF_{3,K}$ (mutagenic exposure frequency) day/year	350
$EF_{6,16}$ (mutagenic exposure frequency) day/year	350
$EF_{16,26}$ (mutagenic exposure frequency) day/year	350
IFS_{res-a} (age-adjusted soil ingestion factor) mg/kg	36750
$IFSM_{res-a}$ (mutagenic age-adjusted soil ingestion factor) mg/kg	166833.33
IRS_{res-c} (soil intake rate - child) mg/day	200
IRS_{res-a} (soil intake rate - adult) mg/day	100
$IRS_{0,2}$ (mutagenic soil intake rate) mg/day	200
$IRS_{3,K}$ (mutagenic soil intake rate) mg/day	200
$IRS_{6,16}$ (mutagenic soil intake rate) mg/day	100
$IRS_{16,26}$ (mutagenic soil intake rate) mg/day	100
AF_{res-a} (skin adherence factor - adult) mg/cm ²	0.07
AF_{res-c} (skin adherence factor - child) mg/cm ²	0.2
AF_{0-2} (mutagenic skin adherence factor) mg/cm ²	0.2
AF_{2-6} (mutagenic skin adherence factor) mg/cm ²	0.2
AF_{6-16} (mutagenic skin adherence factor) mg/cm ²	0.07
AF_{16-26} (mutagenic skin adherence factor) mg/cm ²	0.07
DFS_{res-a} (age-adjusted soil dermal factor) mg/kg	103390
$DFSM_{res-a}$ (mutagenic age-adjusted soil dermal factor) mg/kg	428260
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{wp} (g/m ² -s per kg/m ³)	98.430714368855
PEF (particulate emission factor) m ³ /kg	1560521176.9649
A (PEF Dispersion Constant)	16.8653
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_m/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres)	.5
Q/C_{vol} (g/m ² -s per kg/m ³)	98.430714368855

Site-specific

Resident Equation Inputs for Soil

Variable	Value
foc (fraction organic carbon in soil) g/g	0.006
ρ_b (dry soil bulk density) g/cm ³	1.5
ρ_s (soil particle density) g/cm ³	2.65
n (total soil porosity) L_{pore}/L_{soil}	0.43396
θ_a (air-filled soil porosity) L_{air}/L_{soil}	0.28396
θ_w (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624
City (Climate Zone) VF _{sel} Selection	Chicago, IL (7)
VF _s (volitization factor) m ³ /kg	.
Q/C _{vol} (g/m ² -s per kg/m ³)	98.430714368855
A _s (acres)	.5
T (exposure interval) yr	26
d _s (depth of source) m	.
ρ_b (dry soil bulk density) g/cm ³	1.5
A (VF Dispersion Constant - Mass Limit)	16.8653
B (VF Dispersion Constant - Mass Limit)	18.7848
C (VF Dispersion Constant - Mass Limit)	215.0624

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,

Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic	Chronic	Chronic	Chronic
								RfD (mg/kg-day)	RfD Ref	RfC (mg/m ³)	RfC Ref
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	S	7.00E-03	P
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I
Lead and Compounds	7439-92-1	No	No	-	-	-	-	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-	-	3.00E+00	I
Acenaphthene	83-32-9	No	Yes	-	-	-	-	6.00E-02	I	-	-
Anthracene	120-12-7	No	Yes	-	-	-	-	3.00E-01	I	-	-
Benz[a]anthracene	56-55-3	Yes	Yes	7.30E-01	W	1.10E-04	C	-	-	-	-
Benzo(j)fluoranthene	205-82-3	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-	-	-	-
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-	-	-	-
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-	-	-	-
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-	-	-	-
Dibenzo(a,e)pyrene	192-65-4	No	No	1.20E+01	C	1.10E-03	C	-	-	-	-
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-	-	-	-
Fluoranthene	206-44-0	No	No	-	-	-	-	4.00E-02	I	-	-
Fluorene	86-73-7	No	Yes	-	-	-	-	4.00E-02	I	-	-
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-	-	-	-
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-	-	7.00E-02	A	-	-
Methylnaphthalene, 2-	91-57-6	No	Yes	-	-	-	-	4.00E-03	I	-	-
Naphthalene	91-20-3	No	Yes	-	-	3.40E-05	C	2.00E-02	I	3.00E-03	I
Nitropyrene, 4-	57835-92-4	No	No	1.20E+00	C	1.10E-04	C	-	-	-	-
Pyrene	129-00-0	No	Yes	-	-	-	-	3.00E-02	I	-	-
Toluene	108-88-3	No	Yes	-	-	-	-	8.00E-02	I	5.00E+00	I
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes	-	-	-	-	-	-	7.00E-03	P
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-	-	-	-	1.00E-02	S	-	-
Xylenes	1330-20-7	No	Yes	-	-	-	-	2.00E-01	I	1.00E-01	I

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,

Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	GIABS	ABS	RBA	Volatilization	Soil	Particulate	Ingestion	Dermal	Inhalation	Carcinogenic
				Factor (m ³ /kg)	Saturation Concentration (mg/kg)	Emission Factor (m ³ /kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)	SL TR=1.0E-6 (mg/kg)
Benzene	1	-	1	5.10E+03	1.82E+03	1.56E+09	1.26E+01	-	1.84E+00	1.60E+00
Dibromoethane, 1,2-	1	-	1	1.25E+04	1.34E+03	1.56E+09	3.48E-01	-	5.84E-02	5.00E-02
Dichloroethane, 1,2-	1	-	1	6.60E+03	2.98E+03	1.56E+09	7.64E+00	-	7.13E-01	6.52E-01
Ethylbenzene	1	-	1	8.18E+03	4.80E+02	1.56E+09	6.32E+01	-	9.19E+00	8.02E+00
Lead and Compounds	1	-	1	-	-	1.56E+09	-	-	-	-
Methyl tert-Butyl Ether (MTBE)	1	-	1	7.08E+03	8.87E+03	1.56E+09	3.86E+02	-	7.64E+01	6.38E+01
Acenaphthene	1	0.13	1	2.03E+05	-	1.56E+09	-	-	-	-
Anthracene	1	0.13	1	7.56E+05	-	1.56E+09	-	-	-	-
Benz[a]anthracene	1	0.13	1	6.37E+06	-	1.56E+09	2.10E-01	6.29E-01	5.85E+01	1.57E-01
Benzo(j)fluoranthene	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Benzo[a]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.44E+03	1.57E-02
Benzo[b]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Benzo[k]fluoranthene	1	0.13	1	-	-	1.56E+09	2.10E+00	6.29E+00	1.44E+04	1.57E+00
Chrysene	1	0.13	1	-	-	1.56E+09	2.10E+01	6.29E+01	1.44E+05	1.57E+01
Dibenz[a,h]anthracene	1	0.13	1	-	-	1.56E+09	2.10E-02	6.29E-02	1.32E+03	1.57E-02
Dibenzo(a,e)pyrene	1	0.13	1	-	-	1.56E+09	5.79E-02	1.58E-01	3.98E+03	4.24E-02
Dimethylbenz(a)anthracene, 7,12-	1	0.13	1	-	-	1.56E+09	6.13E-04	1.84E-03	2.23E+01	4.59E-04
Fluoranthene	1	0.13	1	-	-	1.56E+09	-	-	-	-
Fluorene	1	0.13	1	4.06E+05	-	1.56E+09	-	-	-	-
Indeno[1,2,3-cd]pyrene	1	0.13	1	-	-	1.56E+09	2.10E-01	6.29E-01	1.44E+04	1.57E-01
Methylnaphthalene, 1-	1	0.13	1	8.46E+04	3.94E+02	1.56E+09	2.40E+01	6.55E+01	-	1.76E+01
Methylnaphthalene, 2-	1	0.13	1	8.37E+04	-	1.56E+09	-	-	-	-
Naphthalene	1	0.13	1	6.69E+04	-	1.56E+09	-	-	5.52E+00	5.52E+00
Nitropyrene, 4-	1	0.13	1	-	-	1.56E+09	5.79E-01	1.58E+00	3.98E+04	4.24E-01
Pyrene	1	0.13	1	3.43E+06	-	1.56E+09	-	-	-	-
Toluene	1	-	1	6.19E+03	8.18E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,2,4-	1	-	1	1.14E+04	2.19E+02	1.56E+09	-	-	-	-
Trimethylbenzene, 1,3,5-	1	-	1	9.54E+03	1.82E+02	1.56E+09	-	-	-	-
Xylenes	1	-	1	8.28E+03	2.60E+02	1.56E+09	-	-	-	-

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL).

ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,

Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),

Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Ingestion	Dermal	Inhalation	Noncarcinogenic	Ingestion	Dermal	Inhalation	Noncarcinogenic	Screening Level (mg/kg)
	SL	SL	SL	SL	SL	SL	SL	SL	
	Child THQ=1 (mg/kg)	Child THQ=1 (mg/kg)	Child THQ=1 (mg/kg)	Child THI=1 (mg/kg)	Adult THQ=1 (mg/kg)	Adult THQ=1 (mg/kg)	Adult THQ=1 (mg/kg)	Adult THI=1 (mg/kg)	
Benzene	3.13E+02	-	1.60E+02	1.06E+02	3.34E+03	-	1.60E+02	1.52E+02	1.60E+00 ca*
Dibromoethane, 1,2-	7.04E+02	-	1.17E+02	1.00E+02	7.51E+03	-	1.17E+02	1.15E+02	5.00E+02 ca
Dichloroethane, 1,2-	4.69E+02	-	4.82E+01	4.37E+01	5.01E+03	-	4.82E+01	4.77E+01	6.52E+01 ca*
Ethylbenzene	7.82E+03	-	8.53E+03	4.08E+03	8.34E+04	-	8.53E+03	7.74E+03	8.02E+00 ca*
Lead and Compounds	-	-	-	-	-	-	-	-	4.00E+02 nc*
Methyl tert-Butyl Ether (MTBE)	-	-	2.21E+04	2.21E+04	-	-	2.21E+04	2.21E+04	6.38E+01 ca
Acenaphthene	4.69E+03	1.52E+04	-	3.59E+03	5.01E+04	9.12E+04	-	3.23E+04	3.59E+03 nc*
Anthracene	2.35E+04	7.61E+04	-	1.79E+04	2.50E+05	4.56E+05	-	1.62E+05	1.79E+04 nc*
Benz[a]anthracene	-	-	-	-	-	-	-	-	1.57E+01 ca*
Benzo[j]fluoranthene	-	-	-	-	-	-	-	-	4.24E+01 ca*
Benzo[a]pyrene	-	-	-	-	-	-	-	-	1.57E+02 ca*
Benzo[b]fluoranthene	-	-	-	-	-	-	-	-	1.57E+01 ca*
Benzo[k]fluoranthene	-	-	-	-	-	-	-	-	1.57E+00 ca*
Chrysene	-	-	-	-	-	-	-	-	1.57E+01 ca*
Dibenz[a,h]anthracene	-	-	-	-	-	-	-	-	1.57E+02 ca*
Dibenzo[a,e]pyrene	-	-	-	-	-	-	-	-	4.24E+02 ca*
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	-	-	-	4.59E+04 ca*
Fluoranthene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc*
Fluorene	3.13E+03	1.01E+04	-	2.39E+03	3.34E+04	6.08E+04	-	2.15E+04	2.39E+03 nc*
Indeno[1,2,3-cd]pyrene	-	-	-	-	-	-	-	-	1.57E+01 ca*
Methylnaphthalene, 1-	5.48E+03	1.77E+04	-	4.18E+03	5.84E+04	1.06E+05	-	3.77E+04	1.76E+01 ca*
Methylnaphthalene, 2-	3.13E+02	1.01E+03	-	2.39E+02	3.34E+03	6.08E+03	-	2.15E+03	2.39E+02 nc*
Naphthalene	1.56E+03	5.07E+03	2.09E+02	1.78E+02	1.67E+04	3.04E+04	2.09E+02	2.05E+02	5.52E+00 ca*
Nitropyrene, 4-	-	-	-	-	-	-	-	-	4.24E+01 ca*
Pyrene	2.35E+03	7.61E+03	-	1.79E+03	2.50E+04	4.56E+04	-	1.62E+04	1.79E+03 nc*
Toluene	6.26E+03	-	3.23E+04	5.24E+03	6.67E+04	-	3.23E+04	2.18E+04	5.24E+03 sat*
Trimethylbenzene, 1,2,4-	-	-	8.34E+01	8.34E+01	-	-	8.34E+01	8.34E+01	8.34E+01 nc*
Trimethylbenzene, 1,3,5-	7.82E+02	-	-	7.82E+02	8.34E+03	-	-	8.34E+03	7.82E+02 sat*
Xylenes	1.56E+04	-	8.64E+02	8.18E+02	1.67E+05	-	8.64E+02	8.59E+02	8.18E+02 sat*

(22) "Wastewater and sludge storage or treatment lagoon" means a natural or man-made containment structure, constructed primarily of earthen materials for the treatment or storage of wastewater or sludge, which is not a land disposal system.

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; cr. (1m), am. (7), (17) and (18), Register, October, 1988, No. 394, eff. 11-1-88; am. (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4-1-94; cr. (1s), (10e), (10s), (20k), r. and rec. (12), (13), Register, August, 1995, No. 476, eff. 9-1-95; cr. (14m), Register, October, 1996, No. 490, eff. 11-1-96; am. (20), Register, December, 1998, No. 516, eff. 1-1-99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats., Register, April, 2001, No. 544; CR 02-134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 579, eff. 7-1-03; correction in (20) made under s. 13.92 (4) (b) 6., Stats., Register January 2012 No. 673.

Subchapter II — Groundwater Quality Standards

NR 140.10 Public health related groundwater standards. The groundwater quality standards for substances of public health concern are listed in Table 1.

Note: For all substances that have carcinogenic, mutagenic or teratogenic properties or interactive effects, the preventive action limit is 10% of the enforcement standard. The preventive action limit is 20% of the enforcement standard for all other substances that are of public health concern. Enforcement standards and preventive action limits for additional substances will be added to Table 1 as recommendations are developed pursuant to ss. 160.07, 160.13 and 160.15, Stats.

Table 1
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Acetochlor	7	0.7
Acetochlor ethane sulfonic acid + oxanilic acid (Acetochlor – ESA + OXA)	230	46
Acetone	9 mg/l	1.8 mg/l
Alachlor	2	0.2
Alachlor ethane sulfonic acid (Alachlor – ESA)	20	4
Aldicarb	10	2
Aluminum	200	40
Ammonia (as N)	9.7 mg/l	0.97 mg/l
Antimony	6	1.2
Anthracene	3000	600
Arsenic	10	1
Asbestos	7 million fibers per liter (MFL)	0.7 MFL
Atrazine, total chlorinated residues	3 ²	0.3 ²
Bacteria, Total Coliform	0 ³	0 ³
Barium	2 milligrams/liter (mg/l)	0.4 mg/l
Bentazon	300	60
Benzene	5	0.5
Benzo(b)fluoranthene	0.2	0.02
Benzo(a)pyrene	0.2	0.02
Beryllium	4	0.4
Boron	1000	200
Bromodichloromethane	0.6	0.06
Bromoform	4.4	0.44
Bromomethane	10	1
Butylate	400	80
Cadmium	5	0.5
Carbaryl	40	4
Carbofuran	40	8
Carbon disulfide	1000	200
Carbon tetrachloride	5	0.5
Chloramben	150	30
Chlordane	2	0.2
Chlorodifluoromethane	7 mg/l	0.7 mg/l
Chloroethane	400	80
Chloroform	6	0.6
Chlorpyrifos	2	0.4
Chloromethane	30	3
Chromium (total)	100	10
Chrysene	0.2	0.02

Published under s. 35.93, Stats. Updated on the first day of each month. Entire code is always current. The Register date on each page

Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Cobalt	40	8
Copper	1300	130
Cyanazine	1	0.1
Cyanide, free ⁴	200	40
Dacthal	70	14
1,2-Dibromoethane (EDB)	0.05	0.005
Dibromochloromethane	60	6
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02
Dibutyl phthalate	1000	100
Dicamba	300	60
1,2-Dichlorobenzene	600	60
1,3-Dichlorobenzene	600	120
1,4-Dichlorobenzene	75	15
Dichlorodifluoromethane	1000	200
1,1-Dichloroethane	850	85
1,2-Dichloroethane	5	0.5
1,1-Dichloroethylene	7	0.7
1,2-Dichloroethylene (cis)	70	7
1,2-Dichloroethylene (trans)	100	20
2,4-Dichlorophenoxyacetic Acid (2,4-D)	70	7
1,2-Dichloropropane	5	0.5
1,3-Dichloropropene (cis/trans)	0.4	0.04
Di (2-ethylhexyl) phthalate	6	0.6
Dimethenamid/Dimethenamid-P	50	5
Dimethoate	2	0.4
2,4-Dinitrotoluene	0.05	0.005
2,6-Dinitrotoluene	0.05	0.005
Dinitrotoluene, Total Residues ⁵	0.05	0.005
Dinoseb	7	1.4
1,4-Dioxane	3	0.3
Dioxin (2, 3, 7, 8-TCDD)	0.00003	0.000003
Endrin	2	0.4
EPTC	250	50
Ethylbenzene	700	140
Ethyl ether	1000	100
Ethylene glycol	14 mg/l	2.8 mg/l
Fluoranthene	400	80
Fluorene	400	80
Fluoride	4 mg/l	0.8 mg/l
Fluorotrichloromethane	3490	698
Formaldehyde	1000	100
Heptachlor	0.4	0.04
Heptachlor epoxide	0.2	0.02
Hexachlorobenzene	1	0.1
N-Hexane	600	120
Hydrogen sulfide	30	6
Lead	15	1.5
Lindane	0.2	0.02
Manganese	300	60
Mercury	2	0.2

Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Methanol	5000	1000
Methoxychlor	40	4
Methylene chloride	5	0.5
Methyl ethyl ketone (MEK)	4 mg/l	0.8 mg/l
Methyl isobutyl ketone (MIBK)	500	50
Methyl tert-butyl ether (MTBE)	60	12
Metolachlor/s–Metolachlor	100	10
Metolachlor ethane sulfonic acid + oxanilic acid (Metolachlor – ESA + OXA)	1.3 mg/l	0.26 mg/l
Metribuzin	70	14
Molybdenum	40	8
Monochlorobenzene	100	20
Naphthalene	100	10
Nickel	100	20
Nitrate (as N)	10 mg/l	2 mg/l
Nitrate + Nitrite (as N)	10 mg/l	2 mg/l
Nitrite (as N)	1 mg/l	0.2 mg/l
N–Nitrosodiphenylamine	7	0.7
Pentachlorophenol (PCP)	1	0.1
Perchlorate	1	0.1
Phenol	2 mg/l	0.4 mg/l
Picloram	500	100
Polychlorinated biphenyls (PCBs)	0.03	0.003
Prometon	100	20
Propazine	10	2
Pyrene	250	50
Pyridine	10	2
Selenium	50	10
Silver	50	10
Simazine	4	0.4
Styrene	100	10
Tertiary Butyl Alcohol (TBA)	12	1.2
1,1,1,2–Tetrachloroethane	70	7
1,1,2,2–Tetrachloroethane	0.2	0.02
Tetrachloroethylene	5	0.5
Tetrahydrofuran	50	10
Thallium	2	0.4
Toluene	800	160
Toxaphene	3	0.3
1,2,4–Trichlorobenzene	70	14
1,1,1–Trichloroethane	200	40
1,1,2–Trichloroethane	5	0.5
Trichloroethylene (TCE)	5	0.5
2,4,5–Trichlorophenoxy–propionic acid (2,4,5–TP)	50	5
1,2,3–Trichloropropane	60	12
Trifluralin	7.5	0.75
Trimethylbenzenes (1,2,4– and 1,3,5– combined)	480	96
Vanadium	30	6

Table 1 – Continued
Public Health Groundwater Quality Standards

Substance ¹	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Vinyl chloride	0.2	0.02
Xylene ⁶	2 mg/l	0.4 mg/l

¹ Appendix 1 contains Chemical Abstract Service (CAS) registry numbers, common synonyms and trade names for most substances listed in Table 1.

² Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-s-triazine (formerly deethylatrazine), 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4,6-diamino-s-triazine (formerly diamino-atrazine).

³ Total coliform bacteria may not be present in any 100 ml sample using either the membrane filter (MF) technique, the presence-absence (P-A) coliform test, the minimal medium ONPG-MUG (MMO-MUG) test or not present in any 10 ml portion of the 10-tube multiple tube fermentation (MTF) technique.

⁴ "Cyanide, free" refers to the simple cyanides (HCN, CN⁻) and/or readily dissociable metal-cyanide complexes. Free cyanide is regulatorily equivalent to cyanide quantified by approved analytical methods for "amenable cyanide" or "available cyanide".

⁵ Dinitrotoluene, Total Residues includes the dinitrotoluene (DNT) isomers: 2,3-DNT, 2,4-DNT, 2,5-DNT, 2,6-DNT, 3,4-DNT and 3,5-DNT.

⁶ Xylene includes meta-, ortho-, and para-xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 1, Register, October, 1988, No. 394, eff. 11-1-88; am. table 1, Register, September, 1990, No. 417, eff. 10-1-90; am. Register, January, 1992, No. 433, eff. 2-1-92; am. Table 1, Register, March, 1994, No. 459, eff. 4-1-94; am. Table 1, Register, August, 1995, No. 476, eff. 9-1-95; am. Table 1, Register, December, 1998, No. 516, eff. 1-1-99; am. Table 1, Register, December, 1998, No. 516, eff. 12-31-99; am. Table 1, Register, March, 2000, No. 531, eff. 4-1-00; CR 03-063; am. Table 1, Register, February 2004 No. 578, eff. 3-1-04; CR 02-095; am. Table 1, Register, November 2006 No. 611, eff. 12-1-06; reprinted to correct errors in Table 1, Register, January 2007 No. 613; CR 07-034; am. Table 1, Register, January 2008 No. 625, eff. 2-1-08; CR 09-102; am. Table 1, Register, December 2010 No. 660, eff. 1-1-11.

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

Table 2
Public Welfare Groundwater Quality Standards

Substance	Enforcement Standard (milligrams per liter – except as noted)	Preventive Action Limit (milligrams per liter – except as noted)
Chloride	250	125
Color	15 color units	7.5 color units
Foaming agents MBAS (Methylene-Blue Active Substances)	0.5	0.25
Iron	0.3	0.15
Manganese	0.05	0.025
Odor	3 (Threshold Odor No.)	1.5 (Threshold Odor No.)
Sulfate	250	125
Zinc	5	2.5

History: Cr. Register, September, 1985, No. 357, eff. 10-1-85; am. table 2, Register, October, 1990, No. 418, eff. 11-1-90; am. Table 2, Register, March, 1994, No. 459, eff. 4-1-94.

NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:

(a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropriate regulatory agency that a standard has been attained or exceeded; and

(b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level of 0.05.

(2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests.

(3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:

(a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.

(b) If the preventive action limit or enforcement standard is less than the limit-of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:

1. The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and

2. The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.

(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or

A.7. Other
 Slug Test Calculations
 Auto Repair on Vliet

MW-1

	ft/s	cm/s	m/yr
K	1.20E-05	3.66E-04	115.35
	sq ft/s	sq cm/s	
T	5.44E-05	5.05E-02	

MW-2

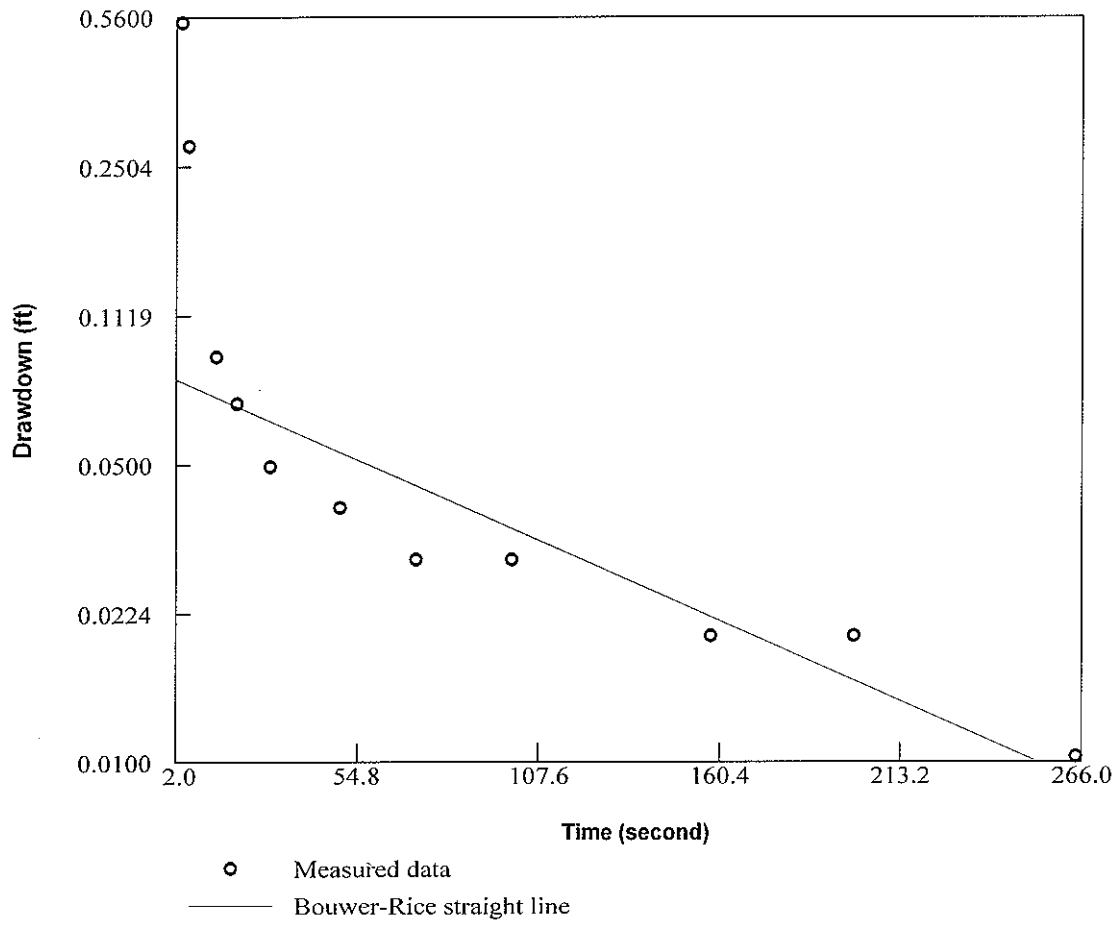
	ft/s	cm/s	m/yr
K	3.79E-05	1.16E-03	364.30
	sq ft/s	sq cm/s	
T	2.17E-04	2.02E-01	

MW-5

	ft/s	cm/s	m/yr
K	1.60E-05	4.88E-04	153.79
	sq ft/s	sq cm/s	
T	8.66E-05	8.04E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
5/10/2017	674.00	668.00	121	0.0495868
			Average	0.0495868

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	115.35	0.0495868	0.3	19.06612
MW-2	364.3	0.0495868	0.3	60.21490
MW-5	153.79	0.0495868	0.3	25.41985



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	1.20e-005
Transmissivity (sq ft/s):	5.44e-005

Auto Repair on Vliet MW-1 Slug Out

Auto Repair on Vliet
 MW-1 Slug Out

Pressure[ft]	Temperature[°F]	Time (seconds)	Drawdown (ft)
35.35	52.72	0	0.19
34.6	52.72	2	0.56
34.77	52.72	4	0.39
34.88	52.71	6	0.28
34.96	52.71	8	0.2
35.01	52.71	10	0.15
35.05	52.71	12	0.11
35.07	52.71	14	0.09
35.08	52.71	16	0.08
35.09	52.71	18	0.07
35.09	52.71	20	0.07
35.1	52.71	22	0.06
35.1	52.71	24	0.06
35.11	52.71	26	0.05
35.11	52.71	28	0.05
35.11	52.71	30	0.05
35.11	52.71	32	0.05
35.11	52.71	34	0.05
35.11	52.7	36	0.05
35.11	52.7	38	0.05
35.11	52.7	40	0.05
35.11	52.71	42	0.05
35.12	52.7	44	0.04
35.12	52.7	46	0.04
35.11	52.7	48	0.05
35.12	52.7	50	0.04
35.12	52.7	52	0.04
35.12	52.7	54	0.04
35.12	52.7	56	0.04
35.12	52.7	58	0.04
35.12	52.7	60	0.04
35.12	52.7	62	0.04
35.12	52.7	64	0.04
35.12	52.7	66	0.04
35.12	52.7	68	0.04
35.12	52.7	70	0.04
35.13	52.7	72	0.03
35.12	52.7	74	0.04
35.13	52.7	76	0.03
35.12	52.7	78	0.04
35.12	52.7	80	0.04
35.13	52.7	82	0.03
35.13	52.7	84	0.03
35.13	52.7	86	0.03
35.13	52.7	88	0.03
35.13	52.7	90	0.03
35.13	52.7	92	0.03

Auto Repair on Vliet
MW-1 Slug Out

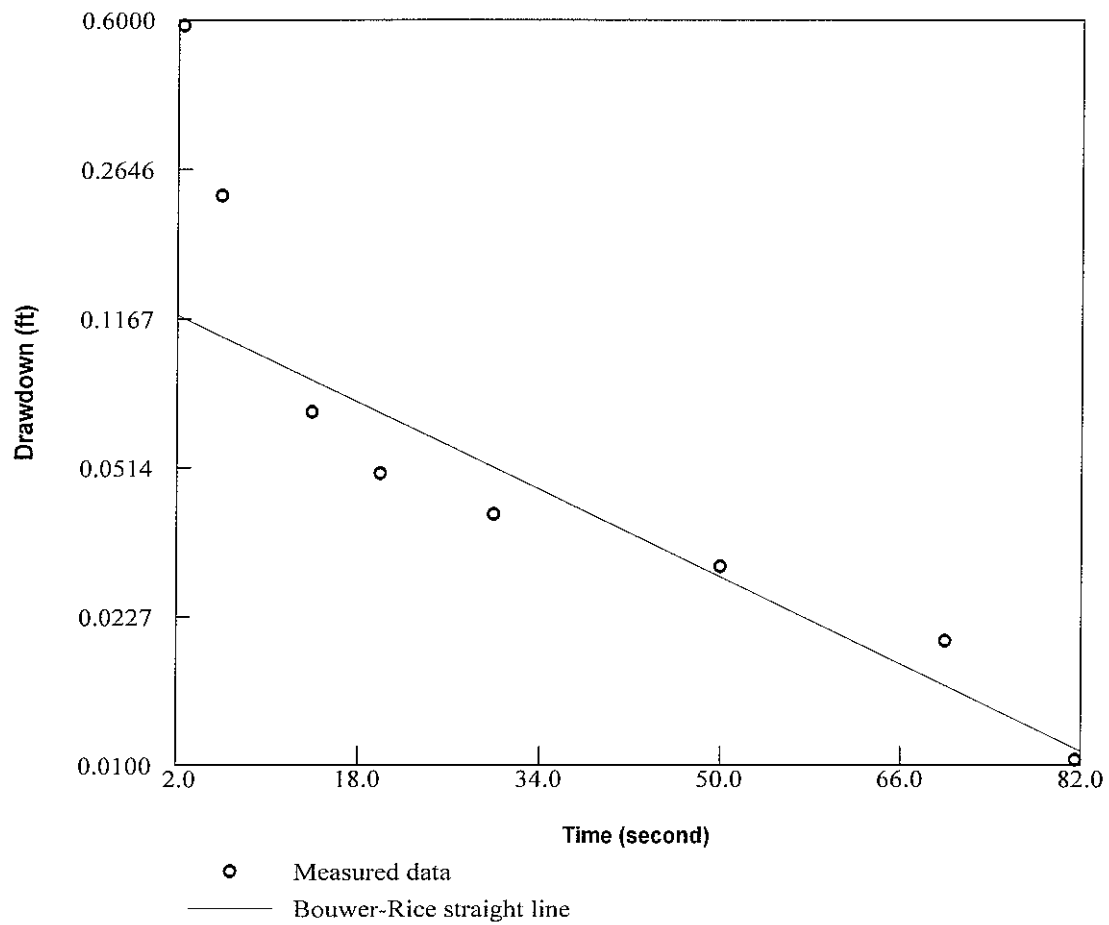
35.12	52.7	94	0.04
35.13	52.7	96	0.03
35.13	52.7	98	0.03
35.13	52.7	100	0.03
35.13	52.7	102	0.03
35.13	52.7	104	0.03
35.13	52.7	106	0.03
35.13	52.69	108	0.03
35.13	52.7	110	0.03
35.13	52.7	112	0.03
35.13	52.7	114	0.03
35.13	52.69	116	0.03
35.13	52.69	118	0.03
35.13	52.69	120	0.03
35.13	52.69	122	0.03
35.13	52.69	124	0.03
35.13	52.69	126	0.03
35.13	52.69	128	0.03
35.13	52.69	130	0.03
35.13	52.69	132	0.03
35.13	52.69	134	0.03
35.13	52.69	136	0.03
35.13	52.69	138	0.03
35.13	52.69	140	0.03
35.13	52.69	142	0.03
35.13	52.69	144	0.03
35.13	52.69	146	0.03
35.13	52.69	148	0.03
35.13	52.69	150	0.03
35.13	52.69	152	0.03
35.13	52.69	154	0.03
35.13	52.69	156	0.03
35.14	52.68	158	0.02
35.13	52.68	160	0.03
35.13	52.69	162	0.03
35.13	52.68	164	0.03
35.13	52.68	166	0.03
35.13	52.68	168	0.03
35.13	52.68	170	0.03
35.13	52.68	172	0.03
35.13	52.68	174	0.03
35.14	52.68	176	0.02
35.13	52.68	178	0.03
35.13	52.68	180	0.03
35.13	52.68	182	0.03
35.13	52.68	184	0.03
35.13	52.68	186	0.03
35.13	52.68	188	0.03

Auto Repair on Vliet
MW-1 Slug Out

35.13	52.68	190	0.03
35.13	52.66	192	0.03
35.13	52.66	194	0.03
35.14	52.66	196	0.02
35.13	52.66	198	0.03
35.14	52.66	200	0.02
35.14	52.66	202	0.02
35.14	52.66	204	0.02
35.14	52.66	206	0.02
35.13	52.66	208	0.03
35.14	52.66	210	0.02
35.14	52.66	212	0.02
35.14	52.66	214	0.02
35.14	52.66	216	0.02
35.14	52.66	218	0.02
35.14	52.66	220	0.02
35.14	52.66	222	0.02
35.14	52.66	224	0.02
35.14	52.66	226	0.02
35.14	52.66	228	0.02
35.14	52.66	230	0.02
35.14	52.66	232	0.02
35.13	52.65	234	0.03
35.14	52.65	236	0.02
35.14	52.65	238	0.02
35.14	52.65	240	0.02
35.14	52.65	242	0.02
35.14	52.65	244	0.02
35.14	52.65	246	0.02
35.14	52.65	248	0.02
35.14	52.65	250	0.02
35.14	52.65	252	0.02
35.14	52.65	254	0.02
35.14	52.65	256	0.02
35.14	52.65	258	0.02
35.14	52.65	260	0.02
35.14	52.65	262	0.02
35.14	52.65	264	0.02
35.15	52.65	266	0.01
35.15	52.65	268	0.01
35.15	52.65	270	0.01
35.14	52.65	272	0.02
35.14	52.65	274	0.02
35.14	52.63	276	0.02
35.15	52.65	278	0.01
35.14	52.63	280	0.02
35.14	52.63	282	0.02
35.15	52.63	284	0.01

Auto Repair on Vliet
MW-1 Slug Out

35.15	52.63	286	0.01
35.15	52.63	288	0.01
35.14	52.63	290	0.02
35.15	52.63	292	0.01
35.14	52.63	294	0.02
35.14	52.62	296	0.02
35.15	52.62	298	0.01
35.14	52.62	300	0.02
35.15	52.62	302	0.01
35.15	52.62	304	0.01
35.14	52.62	306	0.02
35.14	52.61	308	0.02
35.14	52.61	310	0.02
35.14	52.61	312	0.02
35.14	52.61	314	0.02
35.14	52.61	316	0.02
35.15	52.61	318	0.01
35.14	52.61	320	0.02
35.14	52.61	322	0.02
35.15	52.6	324	0.01
35.15	52.6	326	0.01
35.14	52.6	328	0.02
35.15	52.6	330	0.01
35.14	52.59	332	0.02
35.14	52.59	334	0.02
35.14	52.59	336	0.02
35.14	52.59	338	0.02
35.14	52.59	340	0.02
35.15	52.57	342	0.01
35.15	52.57	344	0.01
35.15	52.57	346	0.01
35.15	52.57	348	0.01
35.16	52.57	350	0



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s): 3.79e-005

Transmissivity (sq ft/s): 2.17e-004

Auto Repair on Vliet MW-2 Slug Out

Auto Repair on Vliet
 MW-2 Slug Out

Pressure[ft]	Temperature[°F]	Time (seconds)	Drawdown (ft)
38.5	53.16	0	0.22
37.68	53.14	2	0.6
37.76	53.14	4	0.52
38.05	53.14	6	0.23
38.14	53.14	8	0.14
38.17	53.14	10	0.11
38.2	53.13	12	0.08
38.21	53.13	14	0.07
38.22	53.13	16	0.06
38.22	53.13	18	0.06
38.23	53.13	20	0.05
38.23	53.13	22	0.05
38.23	53.13	24	0.05
38.24	53.13	26	0.04
38.24	53.13	28	0.04
38.24	53.13	30	0.04
38.24	53.13	32	0.04
38.25	53.13	34	0.03
38.25	53.13	36	0.03
38.25	53.13	38	0.03
38.25	53.12	40	0.03
38.25	53.12	42	0.03
38.25	53.13	44	0.03
38.25	53.13	46	0.03
38.25	53.13	48	0.03
38.25	53.13	50	0.03
38.25	53.13	52	0.03
38.25	53.13	54	0.03
38.25	53.13	56	0.03
38.26	53.13	58	0.02
38.25	53.13	60	0.03
38.26	53.13	62	0.02
38.26	53.13	64	0.02
38.26	53.12	66	0.02
38.26	53.13	68	0.02
38.26	53.12	70	0.02
38.26	53.13	72	0.02
38.26	53.12	74	0.02
38.26	53.12	76	0.02
38.26	53.12	78	0.02
38.26	53.12	80	0.02
38.27	53.12	82	0.01
38.26	53.12	84	0.02
38.26	53.12	86	0.02
38.26	53.12	88	0.02
38.26	53.12	90	0.02
38.27	53.12	92	0.01

Auto Repair on Vliet
MW-2 Slug Out

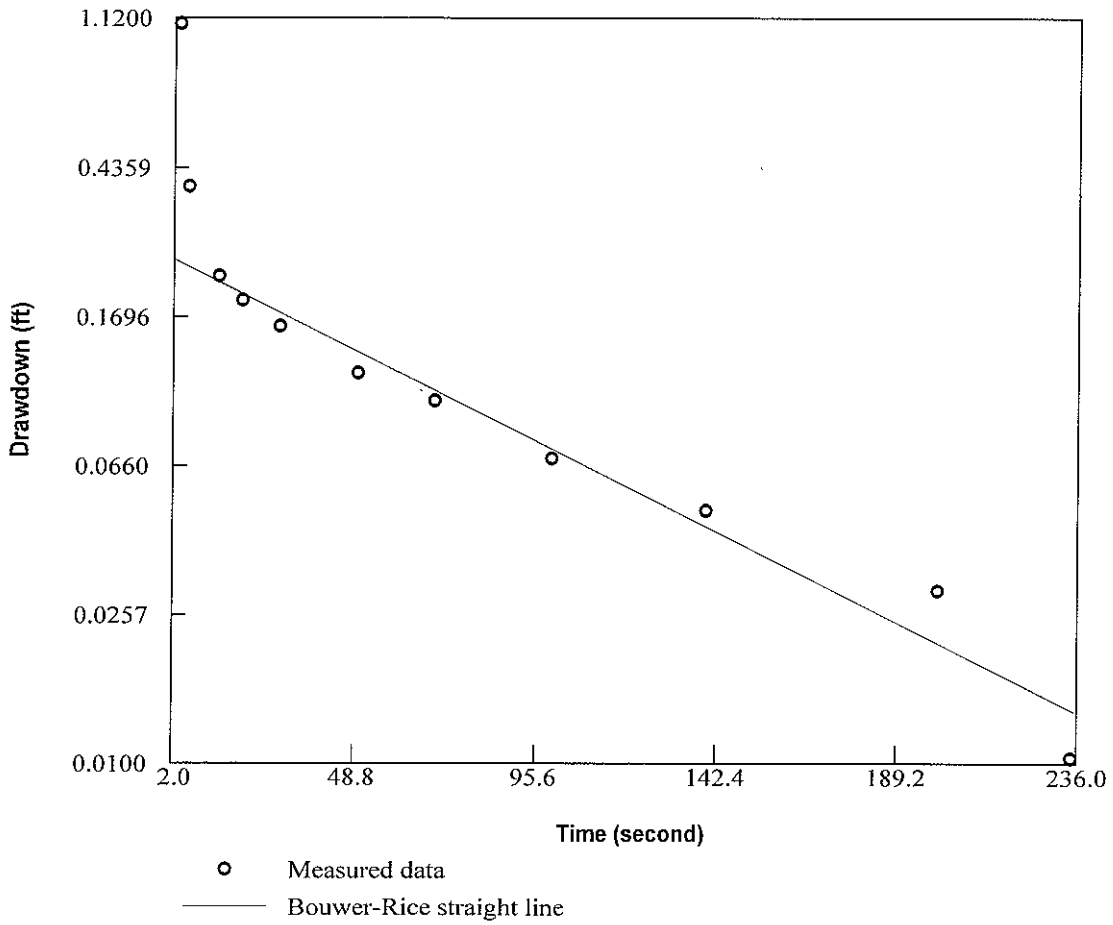
38.26	53.12	94	0.02
38.26	53.12	96	0.02
38.26	53.12	98	0.02
38.26	53.12	100	0.02
38.27	53.12	102	0.01
38.26	53.12	104	0.02
38.26	53.12	106	0.02
38.26	53.12	108	0.02
38.27	53.12	110	0.01
38.27	53.12	112	0.01
38.26	53.12	114	0.02
38.27	53.12	116	0.01
38.26	53.12	118	0.02
38.27	53.12	120	0.01
38.26	53.12	122	0.02
38.27	53.12	124	0.01
38.27	53.12	126	0.01
38.26	53.12	128	0.02
38.26	53.12	130	0.02
38.26	53.12	132	0.02
38.26	53.12	134	0.02
38.27	53.12	136	0.01
38.26	53.12	138	0.02
38.26	53.12	140	0.02
38.27	53.12	142	0.01
38.27	53.12	144	0.01
38.27	53.12	146	0.01
38.27	53.12	148	0.01
38.27	53.12	150	0.01
38.27	53.12	152	0.01
38.27	53.12	154	0.01
38.27	53.12	156	0.01
38.27	53.12	158	0.01
38.27	53.12	160	0.01
38.27	53.12	162	0.01
38.27	53.12	164	0.01
38.27	53.12	166	0.01
38.27	53.12	168	0.01
38.27	53.12	170	0.01
38.27	53.12	172	0.01
38.27	53.12	174	0.01
38.27	53.11	176	0.01
38.27	53.11	178	0.01
38.27	53.12	180	0.01
38.26	53.11	182	0.02
38.27	53.11	184	0.01
38.26	53.11	186	0.02
38.27	53.11	188	0.01

Auto Repair on Vliet
MW-2 Slug Out

38.27	53.11	190	0.01
38.26	53.11	192	0.02
38.27	53.11	194	0.01
38.27	53.11	196	0.01
38.27	53.11	198	0.01
38.27	53.11	200	0.01
38.27	53.11	202	0.01
38.26	53.11	204	0.02
38.27	53.11	206	0.01
38.27	53.11	208	0.01
38.26	53.11	210	0.02
38.26	53.11	212	0.02
38.27	53.11	214	0.01
38.27	53.11	216	0.01
38.27	53.11	218	0.01
38.27	53.11	220	0.01
38.27	53.11	222	0.01
38.27	53.11	224	0.01
38.27	53.11	226	0.01
38.27	53.11	228	0.01
38.27	53.11	230	0.01
38.27	53.11	232	0.01
38.27	53.11	234	0.01
38.27	53.11	236	0.01
38.27	53.11	238	0.01
38.27	53.11	240	0.01
38.27	53.11	242	0.01
38.27	53.11	244	0.01
38.27	53.1	246	0.01
38.27	53.1	248	0.01
38.27	53.1	250	0.01
38.27	53.1	252	0.01
38.27	53.1	254	0.01
38.27	53.1	256	0.01
38.27	53.1	258	0.01
38.27	53.1	260	0.01
38.27	53.1	262	0.01
38.27	53.08	264	0.01
38.27	53.08	266	0.01
38.27	53.08	268	0.01
38.27	53.08	270	0.01
38.27	53.08	272	0.01
38.27	53.08	274	0.01
38.27	53.08	276	0.01
38.27	53.08	278	0.01
38.27	53.07	280	0.01
38.27	53.07	282	0.01
38.27	53.07	284	0.01

Auto Repair on Vliet
MW-2 Slug Out

38.28	53.07	286	0
38.27	53.07	288	0.01
38.27	53.07	290	0.01
38.27	53.07	292	0.01
38.27	53.07	294	0.01
38.27	53.07	296	0.01
38.27	53.06	298	0.01
38.28	53.06	300	0
38.27	53.06	302	0.01
38.27	53.06	304	0.01
38.27	53.06	306	0.01
38.27	53.06	308	0.01
38.27	53.05	310	0.01
38.27	53.06	312	0.01
38.28	53.05	314	0
38.27	53.05	316	0.01
38.27	53.05	318	0.01
38.27	53.05	320	0.01
38.27	53.04	322	0.01
38.28	53.04	324	0
38.28	53.04	326	0
38.27	53.04	328	0.01
38.27	53.04	330	0.01
38.28	53.04	332	0
38.27	53.02	334	0.01
38.28	53.02	336	0
38.27	53.02	338	0.01
38.27	53.02	340	0.01
38.28	53.01	342	0
38.27	53.01	344	0.01
38.27	53.01	346	0.01
38.27	53.01	348	0.01
38.27	53	350	0.01
38.27	53	352	0.01
38.28	53	354	0



Aquifer Parameters by the Bouwer and Rice Slug Test	
Hydraulic Conductivity (ft/s):	1.60e-005
Transmissivity (sq ft/s):	8.66e-005

Auto Repair on Vliet MW-5 Slug Out

Auto Repair on Vliet
MW-5 Stug Out

Pressure[ft]	Temperature[°F]	Time (seconds)	Drawdown (ft)
37.69	58.96	0	0.06
36.51	58.96	2	1.12
36.98	58.95	4	0.65
37.24	58.95	6	0.39
37.33	58.95	8	0.3
37.37	58.95	10	0.26
37.39	58.95	12	0.24
37.41	58.95	14	0.22
37.43	58.93	16	0.2
37.43	58.93	18	0.2
37.44	58.93	20	0.19
37.46	58.93	22	0.17
37.46	58.93	24	0.17
37.46	58.93	26	0.17
37.46	58.93	28	0.17
37.47	58.93	30	0.16
37.48	58.93	32	0.15
37.48	58.93	34	0.15
37.48	58.93	36	0.15
37.49	58.93	38	0.14
37.49	58.93	40	0.14
37.5	58.93	42	0.13
37.5	58.93	44	0.13
37.51	58.93	46	0.12
37.51	58.93	48	0.12
37.51	58.93	50	0.12
37.51	58.93	52	0.12
37.51	58.93	54	0.12
37.51	58.93	56	0.12
37.52	58.93	58	0.11
37.53	58.93	60	0.1
37.53	58.93	62	0.1
37.53	58.93	64	0.1
37.52	58.95	66	0.11
37.53	58.93	68	0.1
37.53	58.93	70	0.1
37.53	58.93	72	0.1
37.53	58.93	74	0.1
37.53	58.93	76	0.1
37.54	58.93	78	0.09
37.53	58.95	80	0.1
37.54	58.93	82	0.09
37.54	58.93	84	0.09
37.55	58.93	86	0.08
37.55	58.93	88	0.08
37.55	58.93	90	0.08
37.56	58.93	92	0.07
37.55	58.93	94	0.08
37.56	58.93	96	0.07
37.56	58.93	98	0.07
37.56	58.93	100	0.07
37.56	58.93	102	0.07
37.56	58.93	104	0.07
37.56	58.93	106	0.07
37.56	58.93	108	0.07
37.56	58.93	110	0.07
37.56	58.93	112	0.07
37.58	58.93	114	0.05
37.57	58.93	116	0.06
37.58	58.93	118	0.05
37.58	58.93	120	0.05
37.58	58.93	122	0.05
37.58	58.93	124	0.05
37.58	58.93	126	0.05
37.58	58.93	128	0.05
37.58	58.93	130	0.05

Auto Repair on Vliet
MW-5 Slug Out

37.58	58.93	132	0.05
37.58	58.93	134	0.05
37.58	58.93	136	0.05
37.59	58.93	138	0.04
37.58	58.93	140	0.05
37.58	58.92	142	0.05
37.59	58.93	144	0.04
37.58	58.92	146	0.05
37.58	58.92	148	0.05
37.58	58.92	150	0.05
37.58	58.92	152	0.05
37.58	58.92	154	0.05
37.58	58.92	156	0.05
37.59	58.93	158	0.04
37.6	58.93	160	0.03
37.59	58.93	162	0.04
37.6	58.93	164	0.03
37.6	58.93	166	0.03
37.6	58.93	168	0.03
37.6	58.93	170	0.03
37.6	58.93	172	0.03
37.6	58.93	174	0.03
37.6	58.93	176	0.03
37.6	58.92	178	0.03
37.6	58.93	180	0.03
37.6	58.93	182	0.03

Auto Repair on Vliet
MW-5 Slug Out

37.6	58.92	184	0.03
37.6	58.92	186	0.03
37.6	58.92	188	0.03
37.6	58.92	190	0.03
37.6	58.92	192	0.03
37.6	58.92	194	0.03
37.6	58.92	196	0.03
37.6	58.92	198	0.03
37.6	58.92	200	0.03
37.6	58.92	202	0.03
37.6	58.92	204	0.03
37.6	58.92	206	0.03
37.6	58.92	208	0.03
37.6	58.92	210	0.03
37.6	58.92	212	0.03
37.61	58.91	214	0.02
37.61	58.91	216	0.02
37.61	58.91	218	0.02
37.61	58.91	220	0.02
37.61	58.91	222	0.02
37.61	58.91	224	0.02
37.61	58.91	226	0.02
37.61	58.91	228	0.02
37.61	58.91	230	0.02
37.61	58.91	232	0.02
37.61	58.92	234	0.02
37.62	58.92	236	0.01
37.61	58.91	238	0.02
37.62	58.91	240	0.01
37.61	58.91	242	0.02
37.62	58.91	244	0.01
37.61	58.91	246	0.02
37.62	58.91	248	0.01
37.62	58.91	250	0.01
37.61	58.91	252	0.02
37.61	58.91	254	0.02
37.62	58.91	256	0.01
37.61	58.91	258	0.02
37.62	58.91	260	0.01
37.61	58.91	262	0.02
37.62	58.91	264	0.01
37.62	58.91	266	0.01
37.62	58.91	268	0.01
37.62	58.91	270	0.01
37.62	58.91	272	0.01
37.62	58.91	274	0.01
37.62	58.91	276	0.01
37.62	58.91	278	0.01
37.63	58.91	280	0

Site Investigation Report - METCO

Auto Repair on Vliet

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

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**Site Investigation Report - METCO
Auto Repair on Vliet**

Ronald J. Anderson, P.G.

Professional Titles

- Senior Hydrogeologist
- Project Manager

Credentials

- Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- Certified by State of Wisconsin to conduct PECFA-funded LUST projects
- Certified tank closure site assessor (#41861) in Wisconsin
- Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- Member of the Federation of Environmental Technologist, Inc.

Education

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, and Environmental Conservation.

Post-Graduate Education

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 1,465 environmental sites.

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Jason T. Powell

Professional Title

- Staff Scientist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as a Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); remedial projects (sampling, pilot tests, system operation/maintenance) and project management.

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Eric J. Dahl**

Professional Title

- Hydrogeologist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#823519).

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, Geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), Geoprobe operation, and operation and maintenance of remedial systems.

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Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

Post-Graduate Education

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

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Jon Jensen**

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1294924).

Education

Includes B.S. in Geography with an Environmental Science minor from University of Wisconsin – La Crosse: Applicable courses successfully completed include Interpretation of Aerial Photographs, Intro to GIS, Advanced Remote Sensing, Fundamentals of Cartography, Biogeography, and Conservation of Global Environments.

Work Experience

With METCO since July, 2014 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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Matthew C. Michalski

Professional Title

- Hydrogeologist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1261443).
- Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- Member of the National Groundwater Association
- Member of the American Institute of Professional Geologist
- Member of the Geological Society of America

Education

Includes B.S. in Geology with an emphasis in Hydrogeology and Water Chemistry from the University of Wisconsin-Eau Claire, completion of Western Michigan University's Hydrogeology Field Camp, and a B.S. In Geography from the University of Wisconsin-La Crosse. Applicable courses successfully completed include Hydrogeology, Contaminant Hydrogeology, Aqueous Geochemistry, Geomorphology and Aerial Photography interpretation, Sedimentology and Stratigraphy, Structural Geology, Mineralogy and Petrology, Hazardous Waste Operation and Emergency Response, Surface Geophysics, Principles and Practices of Groundwater Sampling and Monitoring, Principles and Practices of Aquifer Testing, Principles of Well Drilling and Installation, Remediation Design and Implementation, Water Resources, Environmental Hazards and Land Use, and Advanced Map Design.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since May 2016 as a Hydrogeologist and from August 2012 to August 2014 as a Staff scientist. Duties have included: soil and groundwater sampling, Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, Geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), and operation and maintenance of remedial systems, site mapping, data reduction and analysis, and reporting.

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Bryce Kujawa

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#17138).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Hydrogeology, Contaminant Hydrogeology, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth History, Physical Geology, Structural Geology, Computers in Geology, Geographic Informational Systems, Global Environmental Change, and General Chemistry.

Work Experience

With METCO since June, 2016 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, Geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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APPENDIX G/ STANDARD OF CARE**

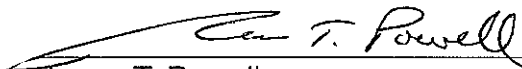
**Site Investigation Report - METCO
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STANDARD OF CARE**

The analysis and conclusions expressed in this report are based upon data obtained from the indicated subsurface locations and from other sources discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"I Jason T. Powell, hereby certify that I am a scientist as that term is defined in s.NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

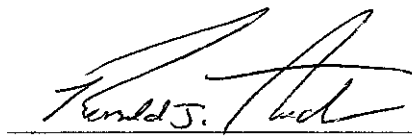


Jason T. Powell
Staff Scientist

9/26/17

Date

"I Ronald J. Anderson, hereby certify that I am a hydrogeologist as that term is defined in s.NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

9/26/17

Date