# 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



This document was prepared by:

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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 Viiet 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

Towell

#### 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

#### **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,

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 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.

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 548<sup>th</sup> Street Menomonie, WI 54751 (715) 556-2604

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

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)

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,

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 25<sup>th</sup> 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 25<sup>th</sup> 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 25<sup>th</sup> Street. The water main exists at approximately

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 25<sup>th</sup> 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 it's 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:

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

- 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 property 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 surpressed 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).

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:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 3.66E-04 cm/sec
Transmissivity = 5.05E-02 cm<sup>2</sup>/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 cm<sup>2</sup>/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 cm<sup>2</sup>/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

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:

- Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under Chapter, Stats. 160.
- 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.

- 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.

### Site Investigation Report - METCO Auto Repair on Vliet 5.0 REFERENCES

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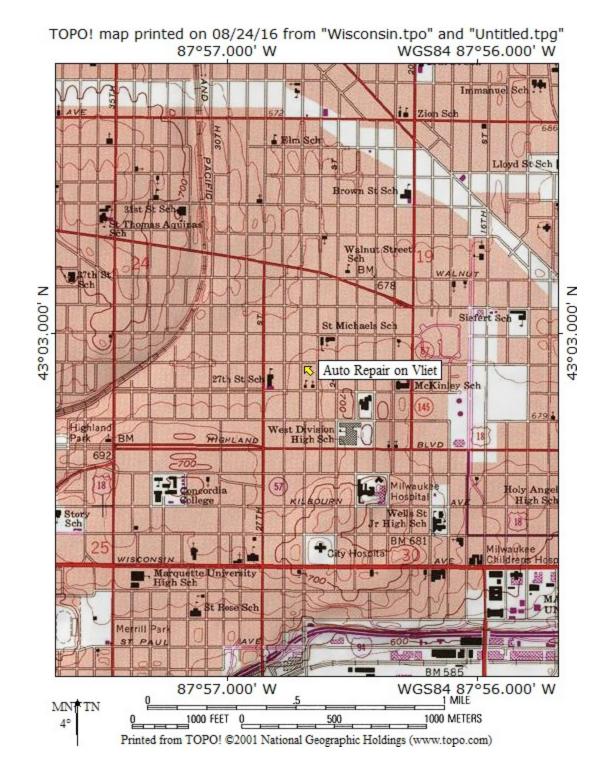
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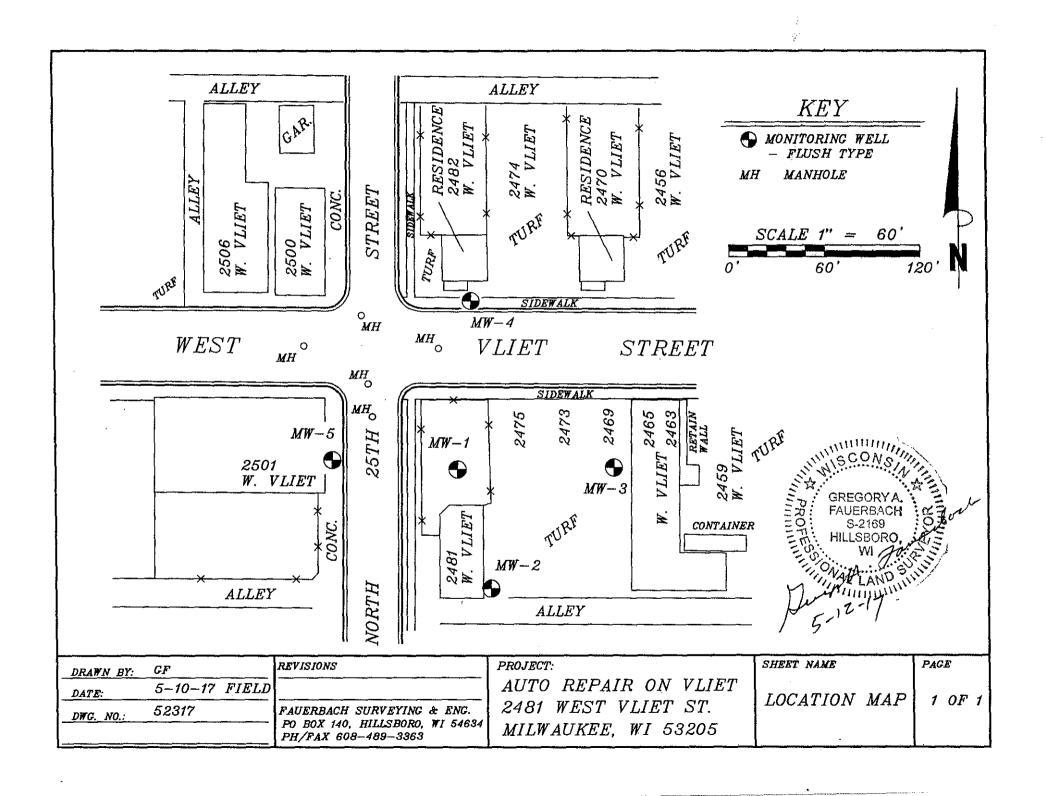
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Other information and data was collected from Anna Shtivelberg, City of Milwaukee, Diggers Hotline, Geiss Soil and Samples, LLC., Fauerbach Surveying & Engineering, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

Site Investigation Report - METCO Auto Repair on Vliet 6.0 FIGURES



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



WELL	COORD.	KEE COUNTY SYSTEM 3(2011) EAST	TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
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'

GREGORYA.

FAUERBACH
S-2169
HILLSBORO

MALLAND

JANUARY

S-12-17

DRAWN BY: GF	REVISIONS	PROJECT:	SHEET NAME	PAGE
	FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634	AUTO REPAIR ON VLIET 2481 WEST VLIET ST.	DATA SHEET	1 OF 1
	PH/FAX 608-489-3363	MILWAUKEE, WI 53205	Į	l

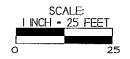




METCO

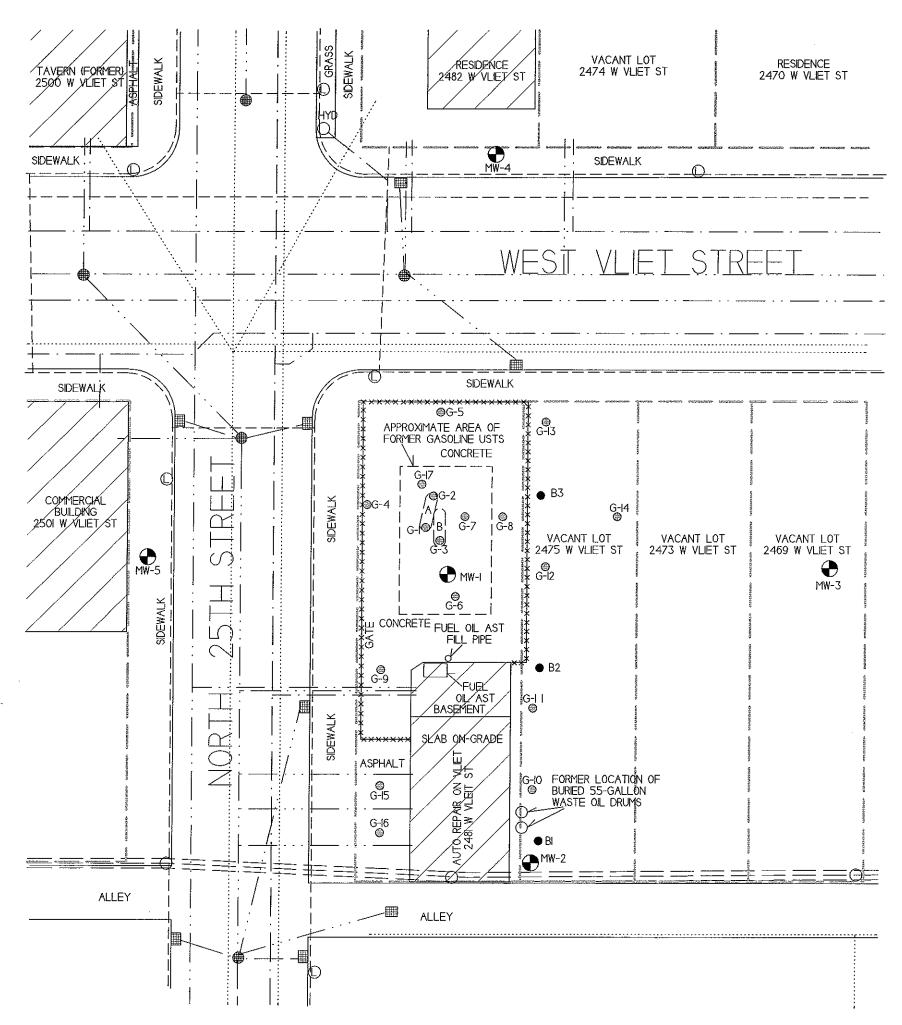
MILWAUKEE. 709 Gillette St, Suite 3 La Crosse, W; 54603 WISCONSIN Tel: (608) 781-8879 Fax: (608) 781-8893 DRAWN BY: ED DRAWN BY: ED DATE: 6/24/16

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

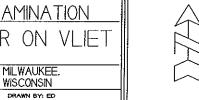


- A FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
  B FORMER PUMP ISLAND (1951 AERIAL PHOTO)
- O UTILITY POLE
- ( STREET LIGHT
- # SEWER MAN HOLE
- # STORM DRAIN
- - SOIL BORING LOCATION (GILES P2ESA)

⇒ GEOPROBE BORING LOC	CATION
🛖 - MONITORING WELL LOC	ATION
endennique, numerouses similarisado estavolueros =	PROPERTY BOUNDARY
	WATER LINE
	SEWER LINE
	NATURAL GAS LINE
	BURIED ELECTRIC LINE
	OVERHEAD UTILITIES
<u>-</u>	TELEPHONE/CABLE LINE
**************************************	FENCE



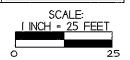




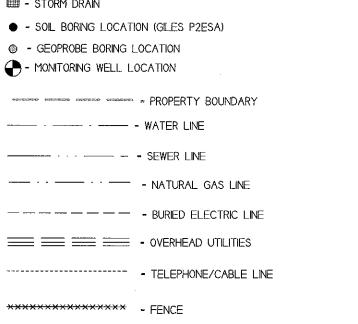


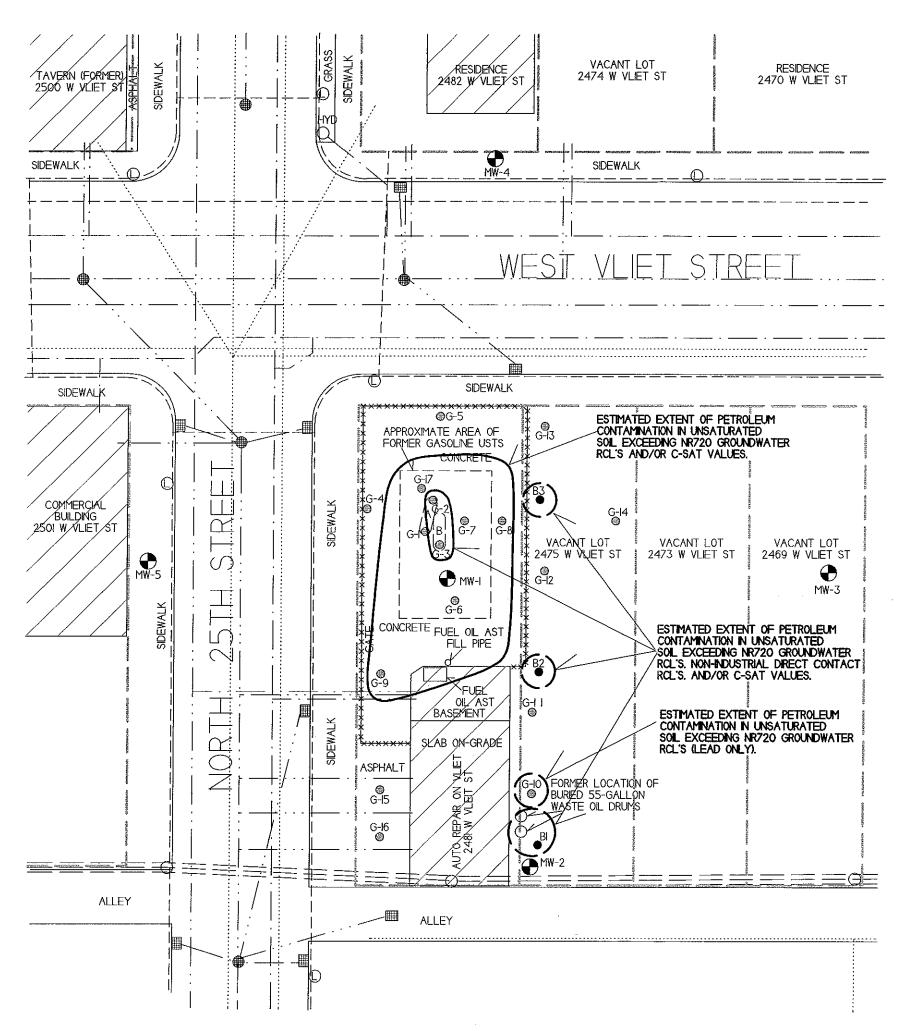
709 Gillette St, Strite 3 WISCONSIN
La Crosse, WI 54603 WISCONSIN
Tel: (608) 781-8879 PRAWN BY: ED
PRAWN BY: ED

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- A FORMER PUMP ISLAND (2005, 1985, 1980, 1975, AND 1967 AERIAL PHOTOS)
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- ( STREET LIGHT
- SEWER MAN HOLE
- = STORM DRAIN







DRAWN BY: ED DATE: 8/24/16



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

DRAWN BY: ED



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)



O - UTILITY POLE

( street Light

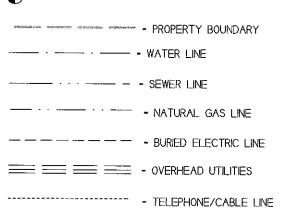
# - SEWER MAN HOLE

= STORM DRAIN

SOIL BORING LOCATION (GILES P2ESA)

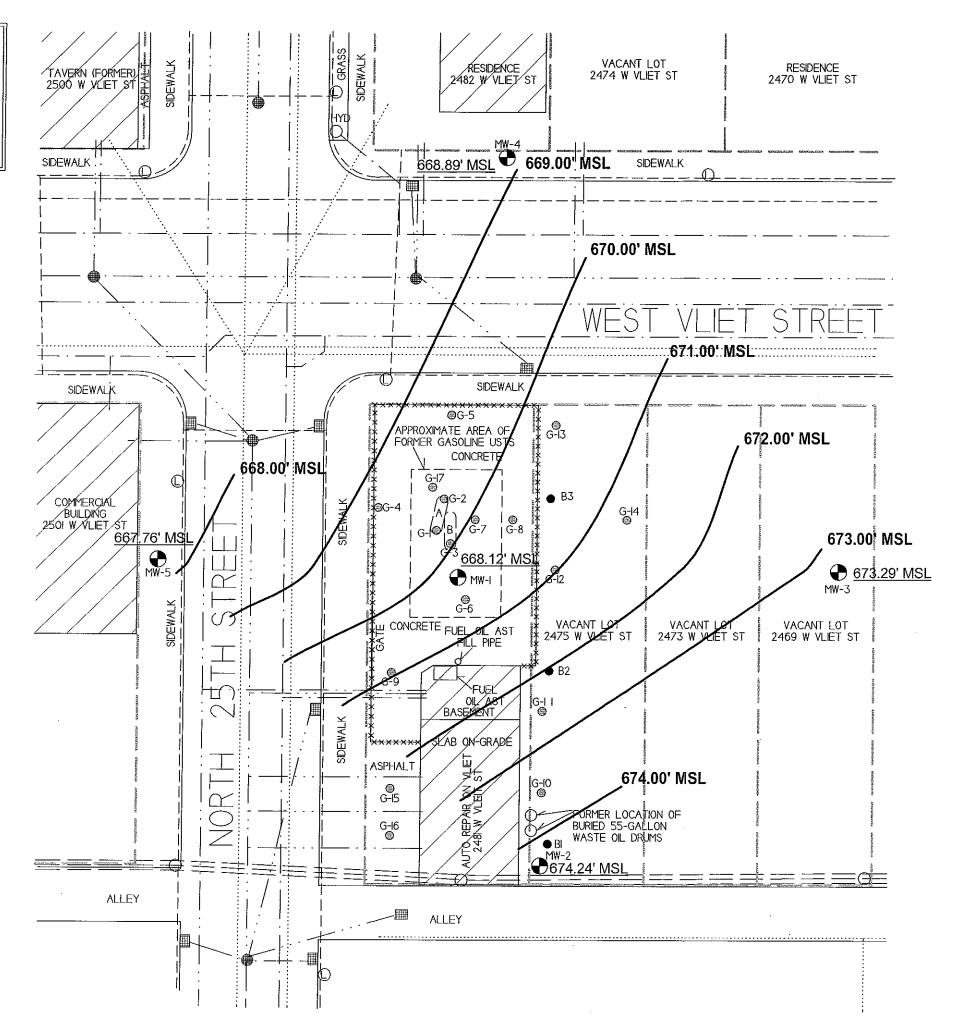
GEOPROBE BORING LOCATION

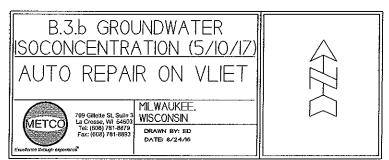
- MONITORING WELL LOCATION



\*\*\*\*\*\* = FENCE

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

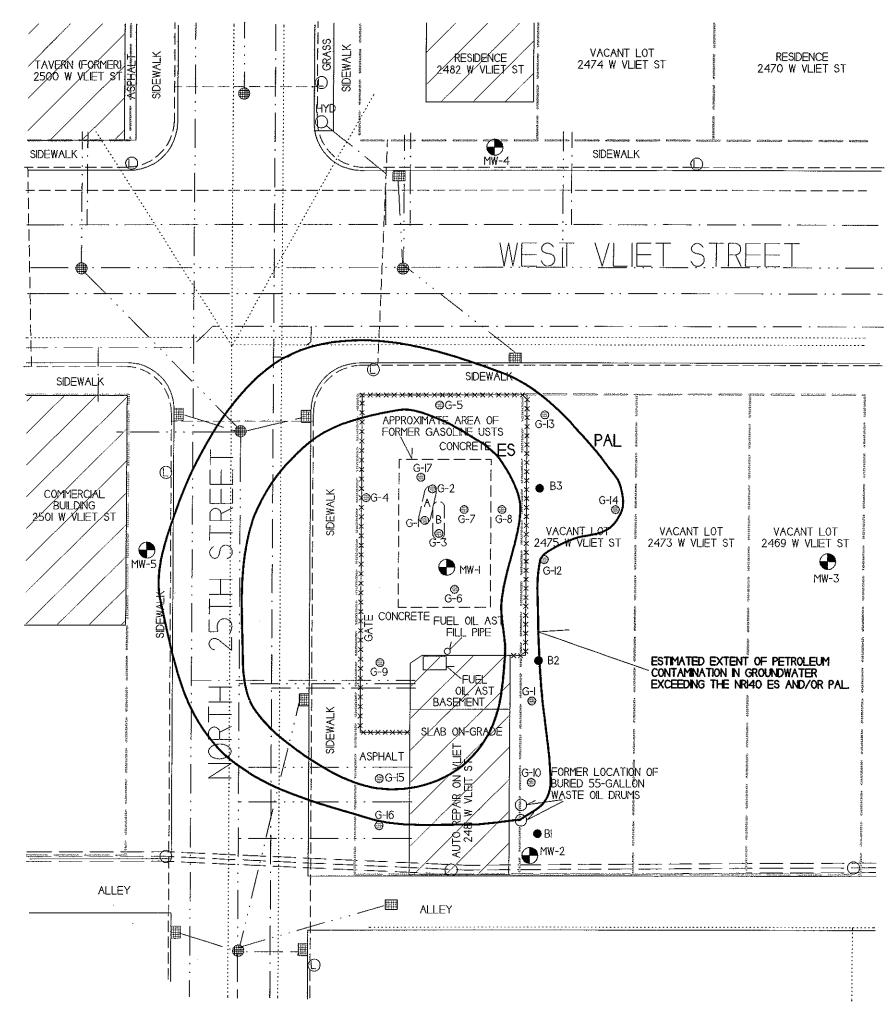


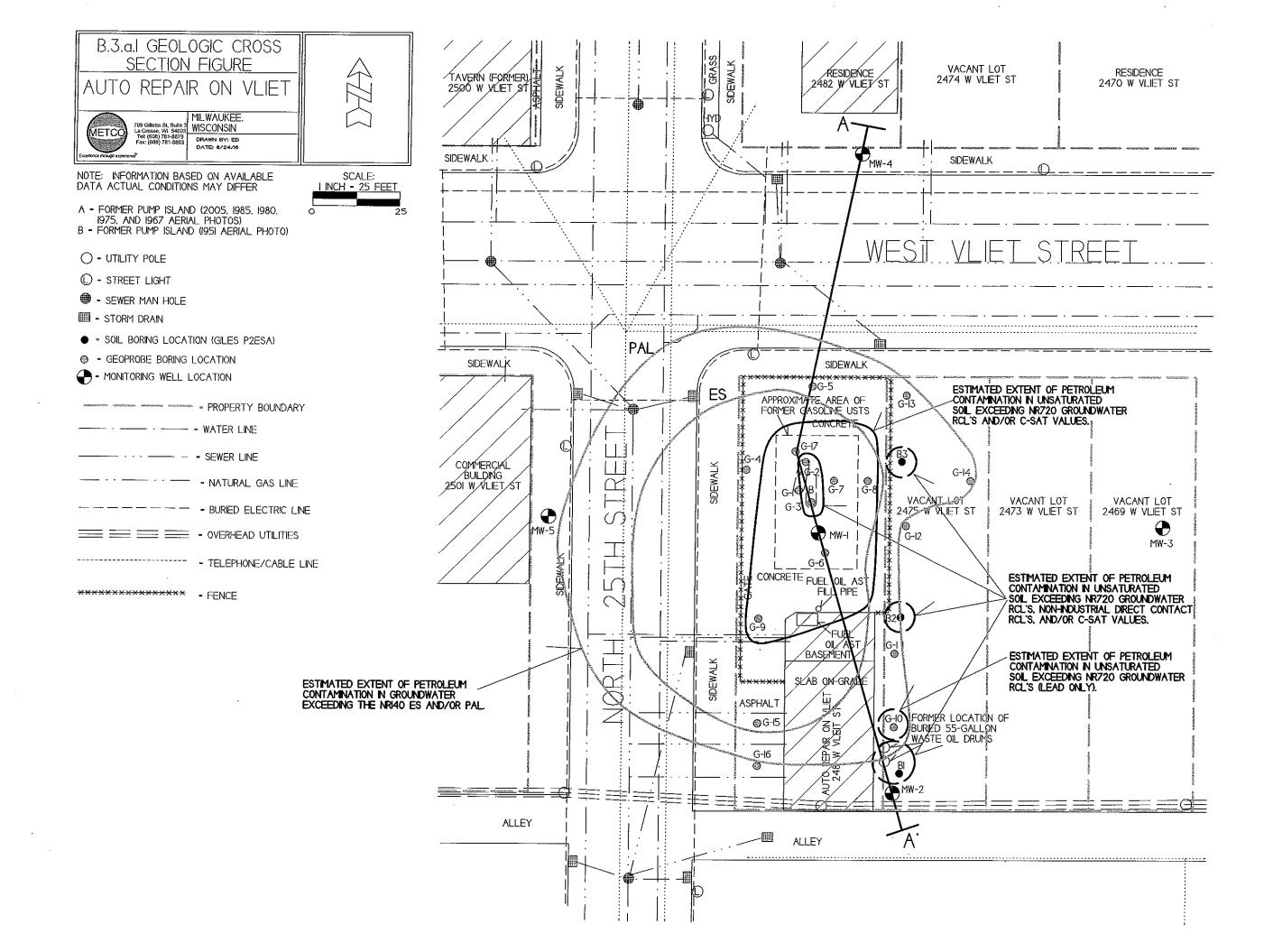


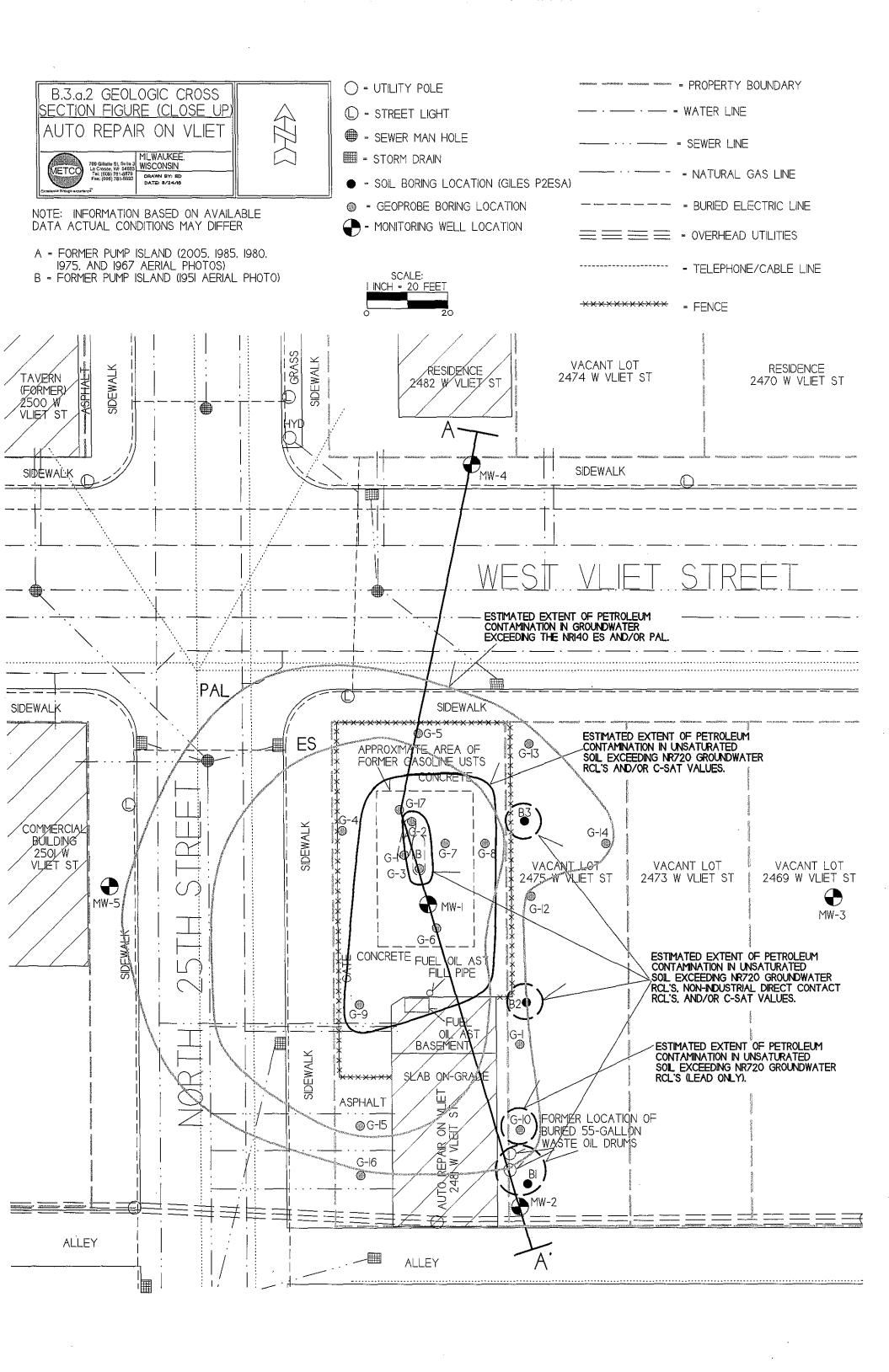
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

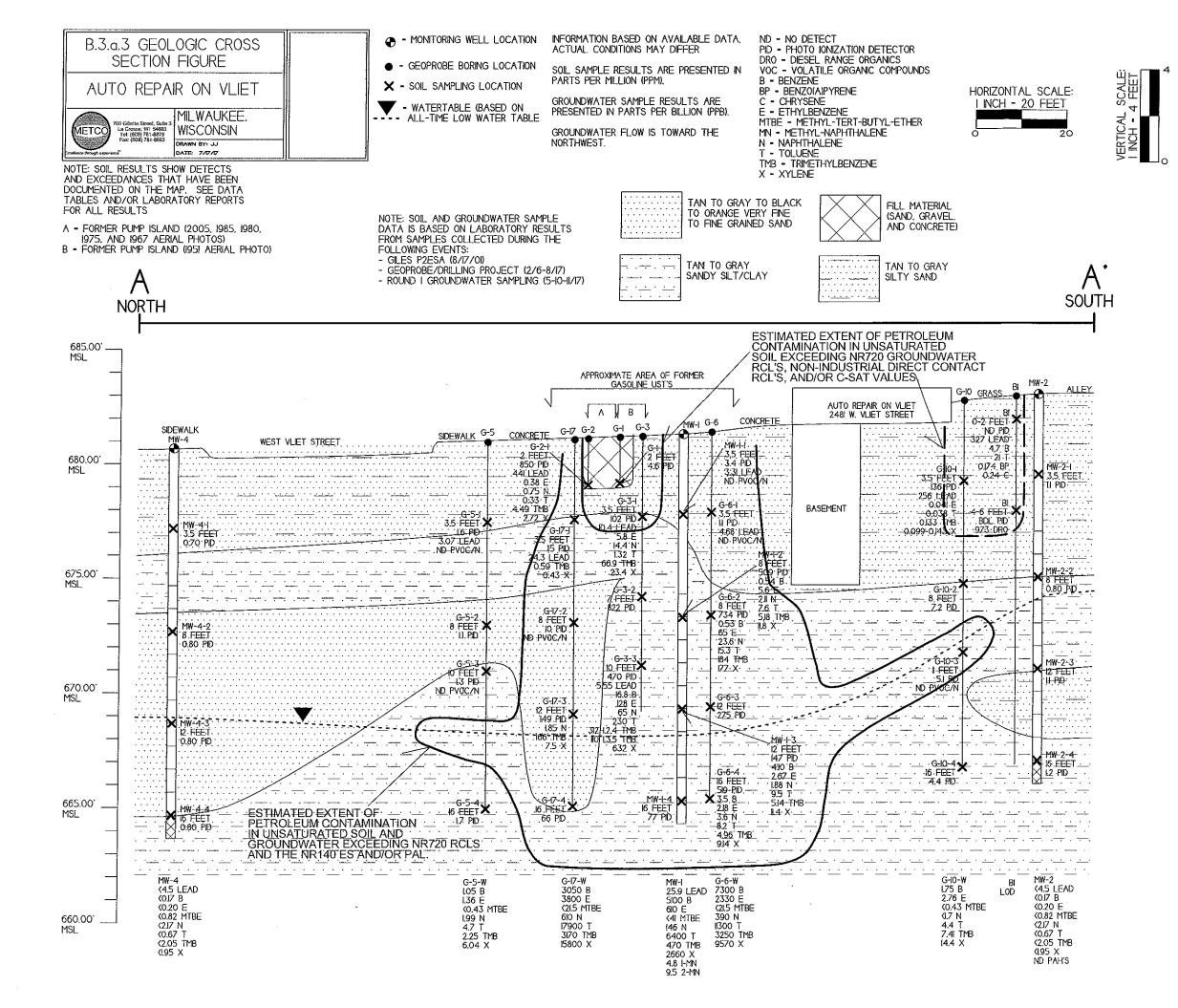


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- = SOIL BORING LOCATION (GILES P2ESA)
- GEOPROBE BORING LOCATION
- MONITORING WELL LOCATION - PROPERTY BOUNDARY -- · ---- · --- - WATER LINE - · · - NATURAL GAS LINE - OVERHEAD UTILITIES \*\*\*\*\* = FENCE









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 Viiet BRRTS #03-41-286924

Book   150				-41-286924																DIRECT CONTA	ACT PVOC & PA	H COMBINE
14	mple ID	` '		Date	PID	(ppm)	(ppm)	(ppm)	(mqq)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)		Count	Index	Cumulative Cancer Risk
Color	B1   B1																			<u>2</u>	0.8762	5.6E-06
Column	B2																			1	0.2306	2.7E-06
Teal   Column   Col	B2																			T		
1	B3																			1	0.2480	1.8E-06
1	B3					NS NS	95	] NS ]	<0.40	NS_	NS			NS	NS NS	NS	NS	NS		<del> </del>		
1	3-2-1					441.00	NS	NS I	NS	<0.03	<0.038	,		0.75	0.33	3.20	1.29	2.72		1	1 1226	1.8E-07
2	i-3-1																			1 1		3.3E-06
1	3-3-2																·					
1	3-3-3																					
1	3-4-1					6.28	NS	NS	NS NS	<0.03	<0.038			<0.094	<0.032	<0.025	<0.032	<0.116		ļ		
March   Marc						NIC	Ne	NIC	Ne	-0.02	-0.030			T=0.004	-0.022	<0.02E	-0.022	r0 116		<del></del>		
1	3-4-4					INO	NO	1 143	INO	<0.03	V0.036			×0.094	<0.032	0.025	<0.032	V0.116		<del> </del>	<del></del>	
State   Column   Co	3-5-1					3.07	NS	NS	NS	<0.03	<0.038			<0.094	<0.032	<0.025	<0.032	<0.116		0		
14   15   8	5-5-2																					
10 1 1	3-5-3					<u>NS</u>	NS	NS	NS	<0.03	<0.038			<0.094	<0.032	<0.025	<0.032	<0.116		<u> </u>		
State   Control   Contro	3-5-4					168	NIC	NC	MS	-0.02	<0.039			T <0.004	<0.032	z0.025	Z0 032	ZO 116		<del> </del>	ļ	
State   Color   Colo	3-6-2																			<del> </del>	<del> </del>	
17	6-6-3					1								1	1.0.00		75155			<del>                                      </del>	<del> </del>	
17.   17.	3-6-4																					
13	3-7-1					3.53	NS	NS	NS	<0.05	<0.094			<0.05	<0.094	<0.05	<0.094	<0.05		0	<del></del>	
12   13   S   COSCOTT   12   S   TUS   T	3-7-2 3-7-3					Ne	KIC.	Ne	NIC	26 20	ZO 70			34 00	226 00	138 00	40.00	207*		<del> </del>	<del> </del>	
\$1 3.5 U 0.055017 8.4 11.50 \$\frac{1}{10}\$ 185 NS	3-7-3 3-7-4					142	1 143	1 143	1 140	1 20.30	1 ~0./6			1 34.00	, 220.00	130.00	45.00	391"		<del> </del>	<del>                                     </del>	
12	3-8-1					11.50	NS	NS	NS	<0.03	<0.038			<0.094	< 0.032	<0.025	<0.032	<0.116		0		
Main	3-8-2	8.0	U	02/06/17	5.8							NOTSA	MPLED						NS	Ţ <u> </u>		
\$1 3.5 U 200917 5.5 U 200917 5.	8-3					NS	NS	NS	NS	7.60	<0.76			49.00	98.00	196.00	67.00	383*		ļ	ļ	
12   8.0   U   2009/17   501   1   1   1   1   1   1   1   1   1	3-8-4 3-9-1					<del> </del>			···········							<u></u>				<del> </del>	<del></del>	
13	-9-2					<del> </del>										<del></del> -				+	<del> </del>	
10   3   1	9-3					NS	NS	NS	NS	7.00	<0.76			42.00	56.00	120.00	46.00	212.00		<del> </del>	T	
NOT SAMPLED	3-9-4																					
10.0   S	-10-1					256.00	NS	NS	NS NS	<0.03	<0.038			<0.094	0.038	0.098	0.035	0.099-0.143		0	0.6400	
10.0   10.0						NC	LNC	T NE	I NIC	T <0.03	T <0.000			L <0.004	1 <0.022	-0.035	<0.033	c0 116				
11-1   3.8   U   0.005677   4.2						11/3	I NO	1 142	INO	40.03				10.094	1 <0.032	Q.023	<u> </u>	<u> </u>		+	<del> </del>	
13   120   U   0205477   4.1	-11-1					<b>├</b> ~─			<del> </del>											0	<del>                                     </del>	
11-4   14.0   S	3-11-2	8.0										NOTSA	MPLED									
12	3-11-3																			<u></u>	ļ	
122   10.0	3-11-4					<del>}</del>														<del> </del>	<del> </del>	
125   120	3-12-2					<del> </del> -														<del>                                     </del>	<del> </del> -	,
13-2   8.0	3-12-3																		NS	Ī.,		100
18-3   12-0	3-13-1																			0	<u> </u>	
14-1   3.5	3-13-2					<u> </u>														<del>- </del>		
14-2   8.0   U   020717   13   NOT SAMPLED   NS   NS   NS   NS   NS   NS   NS   N						┿														<del> </del>	<del> </del> -	
15-1   3.5	3-14-2					<del>                                     </del>				·										<del></del>	<del> </del>	<del> </del>
15-2   8.0	3-14-3	12.0	u									NOT SA	MPLED								<u> </u>	
15.5   S	3-15-1																			0		
15.4   16.0   S   0.20777   2.8   NOT SAMPLED   NS   0	3-15-2					- NIS	l Nië	NIC	I Me	∠0.1E	<0.10			1 1 44	-0.16	20.70	10.80	1.40		<del>- </del>		
16-1   3.5   U   2207/17   1.2   NOT SAMPLED   NS   Q	3-15-4					1 143	INO	INO	l No	Vu. 15	1 (0.18			1,44	CO.16	20.70	10.60	1.40		┪	<del>                                     </del>	<u> </u>
18-3   12-0   S	3-16-1					<del> </del>						NOT SA	MPLED							0	<del> </del>	
16.0   S	-16-2	8.0		02/07/17	1.5							NOTSA	MPLED						NS			
17-1   3.5   U   0207177   11-50   02-30   NS   NS   NS   NS   NS   CO.3   CO.38   CO.35   CO.05   CO.094   CO.032   CO.45   CO.18   CO.094   CO.032   CO.25   CO.05   CO.094   CO.032   CO.05   CO.094   CO.032   CO.055   CO.05   CO.094   CO.094   CO.032   CO.055   CO.05   CO.094   CO.094   CO.094   CO.095   CO.094   CO.095   CO.094   CO.095   CO.	-16-3					<del></del>														<del>-</del>	<del></del>	·
17-2						24.30	No.	NC	NIC	<0.02	<0.020			e0.004	<0.030	0.42	0.18	0.43		<del> </del>	0.0022	<del> </del>
17-3   12-0   U   02/07/17   1490   NS   NS   NS   NS   NS   NS   NS   N	-17-2																			<del>                                     </del>	5.0022	1
17.4   16.0   U   0207177   66.0   O   0207177   66.0   O   O   O   O   O   O   O   O   O	i-17-3	12.0	Ü	02/07/17	149.0	NS						<0.35	<0.5						NS			
V-12   8.0	-17-4	16.0	Ü	02/07/17	66.0							NOT SA	MPLED						NS			
V-13 12.0 U 02/07/17 147.0 NS	W-1-1																			<del> </del>	<del> </del>	<del> </del>
V-2-1   1-	W-1-2 W-1-3																			-	+	+
V-2-1   3.5	N-1-4						110	. 140	.1 140	1 4.10	-0.00				1 3.00	7.00	1,04	11.79		+	<del> </del>	+
V-2-3   12.0   S   02/07/17   1.1   NOT SAMPLED   NS   V-2-4   16.0   S   02/07/17   1.2   NOT SAMPLED   NS   O   V-3-2   8.0   U   02/07/17   1.9   NOT SAMPLED   NS   O   V-3-3   12.0   S   02/07/17   0.9   NOT SAMPLED   NS   O   V-3-3   12.0   S   02/07/17   0.7   NOT SAMPLED   NS   O   V-3-4   16.0   S   02/07/17   0.7   NOT SAMPLED   NS   O   V-3-4   16.0   S   02/07/17   0.8   NS   O   V-4-2   8.0   U   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   0.8   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-3   12.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O   V-4-4   16.0   S   02/07/17   1.5   NOT SAMPLED   NS   O	W-2-1	3.5	Ü	02/07/17	1.1							NOT SA	MPLED						NS	0		
N-2-4 16.0 S 02/07/17 1.2 NOT SAMPLED NS 0 N-3-1 3.5 U 02/07/17 1.9 NOT SAMPLED NS 0 N-3-2 8.0 U 02/07/17 1.9 NOT SAMPLED NS 0 N-3-3 12.0 S 02/07/17 1.9 NOT SAMPLED NS 0 N-3-3 12.0 S 02/07/17 1.9 NOT SAMPLED NS 0 N-3-4 16.0 S 02/07/17 0.7 NOT SAMPLED NS 0 N-4-4 13.5 U 02/07/17 0.7 NOT SAMPLED NS 0 N-4-2 8.0 U 02/07/17 0.8 NOT SAMPLED NS 0 N-4-2 8.0 U 02/07/17 0.8 NOT SAMPLED NS 0 N-4-4 16.0 S 02/07/17 0.8 NOT SAMPLED NS 0 N-4-4 16.0 S 02/07/17 0.8 NOT SAMPLED NS 0 N-4-4 16.0 S 02/07/17 0.8 NOT SAMPLED NS 0 N-5-1 3.5 U 02/07/17 1.5 NOT SAMPLED NS 0 N-5-2 8.0 U 02/07/17 1.2 NOT SAMPLED NS 0 N-5-3 12.0 U 02/07/17 1.3 NOT SAMPLED NS 0 N-5-3 12.0 U 02/07/17 1.3 NOT SAMPLED NS 0 N-5-4 16.0 S 02/07/17 1.4 NOT SAMPLED NS 0 N-5-4 16.0 S 02/07/17 1.4 NOT SAMPLED NS 0 N-5-5 10.0 U 02/07/17 1.5 NOT SAMPLED NS 0 N-5-6 10.0 S 02/07/17 1.1 NS 0 NOT SAMPLED NS 0 NOT SAMPLED NS 0 N-5-6 10.0 S 02/07/17 1.1 NS 0 NOT SAMPLED NS 0 NOT SAMPLED NS 0 N-5-6 10.0 S 02/07/17 1.1 NS 0 NOT SAMPLED NS 0 NOT SAMPLED NS 0 N-5-6 10.0 S 02/07/17 1.1 NS 0 NOT SAMPLED NS 0 N-5-6 10.0 S 02/07/17 1.1 NS 0 NOT SAMPLED NS 0 NS 0 NOT SAMPLED NS 0 NS 0 NOT SAMPLED NS 0	W-2-2																				-	
Note						+		<del></del> .			<del></del>					····				<del></del>	<del> </del>	<del> </del>
V-3-2   8.0						+														0	<del> </del>	<del> </del>
Note																						
N-4-1 3.5 U 02/07/17 0.7 NOT SAMPLED NS 0 N-4-2 8.0 U 02/07/17 0.8 NOT SAMPLED NS NOT SAMPLED NS	N-3-3	12.0	S	02/07/17	1.9							NOT SA	MPLED						NS			
N-4-2 8.0 U 02/07/17 0.8 NOT SAMPLED NS NOT SAMPLED NS NOT SAMPLED NS O 20/07/17 1.5 NOT SAMPLED NS O NOT SAMPLED NS NS	N-3-4					<b></b>														<del>                                     </del>		\
N-4-3 12.0 S 02/07/17 0.8 NOT SAMPLED NS NOT SAMPLED NS NOT SAMPLED NS NS NS NOT SAMPLED NS						<del>                                     </del>									<del></del>						<del> </del>	
N-4-4 16.0 S 02/07/17 0.8 NOT SAMPLED NS 0 N-5-1 3.5 U 02/07/17 1.5 NOT SAMPLED NS 0 NOT SA						<del>                                      </del>					<del></del>					·					<del> </del>	-
NS 0						+														<del>                                     </del>	<del> </del>	<del> </del>
N-5-2 8.0 U 02/07/17 1.2 NOT SAMPLED NS NS NS NOT SAMPLED NS	W-5-1	3.5			1.5														NS	0		
N-5-4 16.0 S 02/07/17 1.4 NOT SAMPLED NS NS NS NOT SAMPLED NS NS NS NOT SAMPLED NS NS NOT SAMPLED NS NS NS NOT SAMPLED NS NS NOT SAMPLED NS NS NOT SAMPLED NS NS NS NOT SAMPLED NS NS NOT SAMPLED NS	W-5-2	8.0			1.2							NOT S	AMPLED									
1.00   1.00	W-5-3																					
-Industrial Direct Contact RCL 400 71.1 1.6 0.652 8.02 63.8 5.52 818 219 182 260 - 1.00E+00 1.0 istrial Direct Contact RCL (800) (0.985) (7.07) (2.86) (35.4) (282) (24.1) (818) (219) (182) (258) - 1.00E+00 1.0	W-5-4	16.0	S	02/07/17	1.4	<del></del>			<del></del>	·	1	NOT S	AMPLED		<del></del>	T	т	<del>-,</del>	NS NS	4	+	<del> </del>
-Industrial Direct Contact RCL 400 71.1 1.6 0.652 8.02 63.8 5.52 818 219 182 260 - 1.00E+00 1.0 istrial Direct Contact RCL (800) (0.985) (7.07) (2.86) (35.4) (282) (24.1) (818) (219) (182) (258) - 1.00E+00 1.0	undw	ater RCI				27	+	+	0.752	0,0051	2 0,00284	1.57	0.027	0.6583	7.11	<del> </del>	1.38	3.96	<del></del>	<del> </del>	+	+
strial Direct Contact RCL (800) (0.985) (7.07) (2.86) (35.4) (282) (24.1) (818) (219) (182) (258) - 1.00 €+00 1.0			ect Contact I	RCL			<del></del> -												<del></del>		1.00E+00	1.00E-
		Direct C	ontact RCL							(7.07)	(2.86)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)				1.00E-

Soll 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

DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR) S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

#### A.2 Soil Analytical Results Table

(PAH) Auto Repair on Viiet BRRTS #03-41-286924

	D#-	1.0		т																		DIRECT CONT	ACT PVOC & F	PAH COMBINED
1	Depth	Saturation				1			Benzo(b)	Benzo(g.h.i)	Benzo(k)		Dibenzo(a,h)			Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-				Cumulative
Sample	(feet)	U/S	Date	thene	thylene	Anthracene	anthracene	pyrene	fluoranthene	perylene	fluoranthene	Chrysene	anthracene	Fluoranthene	Fluorene	pyrene	naphthalene	naphthalene	thalene	threne	Pyrene	Exeedance	Hazard	Cancer
<b>—</b>				(ppm)	(ppm)	(ppm)	(mqq)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(mqq)	(ppm)	(ppm)	(mqq)	(ppm)	Count	Index	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 I	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
<u></u>																	,					-		
Groundwat				_		197		0.47	0.4793			0.145		88.8	14.8				0.6582		54.5	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Non-Industr				<u>3590</u>		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 D				(45200)		(100000)	(20.8)	(2.11)	(21.1)		(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)		(22600)			
Soil Saturat	tion Concer	tration (C-sal	)*				-							·					(= //					
D-11 - 0																								

Soil Saturation Concentration (C-sat)\*

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parenttieses) = 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

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR) S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

METCO
Environmental Consulting, Fuel System Design, Installation and Service

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

Sampling Conducted on February 2, 2016

VOC's		Bold = Groundwater RCL	Bold = Non- Industrial Direct	(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold =Soit Saturation (C- sat) RCL
Sample ID#	G-3-3				
Sample Depth/ft.	10				
Solids Percent	84.2				
Веплеле/ррт	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	==
Bromoform/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	z <del>=</del>
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-Isopropyitoluene/ppm Methylene chloride/ppm	8.4	= =	162	162	162
Methyl tert-butyl ether (MTBE)/ppm	< 7.5 < 2.5	0.00256	60.7	1070	==
Naphthalene/ppm	- 2.3 65	0.027 0.659	59.4	293	8870
n-Propylbenzene/ppm	43	0.059	5.15 = =	26 = =	==
1,1,2,2-Tetrachloroethane/ppm	45 < 1.4	0.000156	0.75		= =
1,1,1,2-Tetrachloroethane/ppm	< 1.4	0.0533	2.59	3.69 12.9	==
Tetrachloroethene (PCE)/ppm	< 1.6	0.00454	30.7	153	==
Toluene/ppm	230	1.11	818		
1,2,4-Trichlorobenzene/ppm	< 3,2	0.408	22.1	818 98.7	818 ===
1,2,3-Trichtorobenzene/ppm	< 3.3	U.4UG = =	48.9	98.7 493	==
1,1,1-Trichloroethane/ppm	< 1.5	0.14	40.9	493	==
1,1,2-Trichloroethane/ppm	< 1.65	0.00324	1.48		==
Trichloroethene (TCE)/ppm	< 2.05	0.00324	0.64	7.34	==
Trichlorofluoromethane/ppm	< 2.05	0.00556	1120	8.81 1230	
1,2,4-Trimethylbenzene/ppm	312*		89.8	219	1230 219
1,3,5-Trimethylbenzene/ppm	110	1.38	182	219 182	182
Vinyl Chloride/ppm	< 0.95	0.000138	0.07	2.03	182 = =
m&p-Xylene/ppm	450*				
o-Xylene/ppm	182	3.94	258	258	258
	102				

Note: Non-Industrial RCLs apply to this site.

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

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

Sample					Ethyl		Naph-		Trimethyl-	Xylene
ID	Date	Lead	DRO	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
		(ppb)	(dqq)	(dgg)	(ppb)	(ppb)	(ppb)	(dqq)	(ppb)	(ppb)
B1	08/17/01	NS	NS	LOD = Belo	w Detected	Between the	<b>Laboratory</b>	Detection Lim	nit and Quantitation	ı 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 STAND	ARD ES = Bold	15	-	5	700	60	100	800	480	2000
PREVENTIVE ACTION LI	MIT PAL = Italics	1.5	<u> </u>	0.5	140	12	10	160	96	400

NS = Not Sampled

(ppm) = parts per million

Well Sampling Conducted on:

05/10/17	05/10/17	05/10/17	05/10/17	05/10/17
00/10/1/	00,10,1,	00,10,11	00/10/11	03/10/17

VOC's						ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION
1003						01ANDAND - E3 - BOIG	LIMIT = PAL - Italics
Well Name	MW-1	MW-2	MW-3	MW-4	MW-5		
Lead/ppb	25.9	< 4.5	< 4.5	< 4.5	< 4.5	15	1.5
Benzene/ppb	5100	< 0.17	< 0.17	< 0.17	< 0.17	5	0.5
Bromobenzene/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 0.43	==	==
Bromodichloromethane/ppb	< 15.5	< 0.31	< 0.31	< 0.31	< 0.31	0.6	0.06
Bromoform/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	4.4	0.44
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 < 10.5	< 0.34 < 0.21	< 0.34 < 0.21	< 0.34 < 0.21	< 0.34	==	==
Carbon Tetrachloride/ppb Chlorobenzene/ppb	< 13.5	< 0.21	< 0.27	< 0.21	< 0.21 < 0.27	<u>5</u> ==	0.5
Chloroethane/ppb	< 25	< 0.5	< 0.5	< 0.5	< 0.5		==
Chloroform/ppb	< 48	< 0.96	< 0.96	< 0.96	< 0.96	400	80 0.6
Chloromethane/ppb	213	< 1.3	< 1.3	< 1,3	< 1.3	30	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	0.2	0.02
Dibromochloromethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	60	6
1,4-Dichlorobenzene/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42	75	15
1,3-Dichlorobenzene/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	600	120
1,2-Dichlorobenzene/ppb	< 17	< 0.34	< 0.34	< 0.34	< 0.34	600	60
Dichlorodifluoromethane/ppb	< 19	< 0.38	< 0.38	< 0.38	< 0.38	1000	200
1,2-Dichloroethane/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	5	0.5
1,1-Dichloroethane/ppb	< 21	< 0.42	< 0.42	< 0.42	< 0.42	850	85
1,1-Dichloroethene/ppb	< 23	< 0.46	< 0.46	< 0.46	< 0.46	7	0.7
cis-1,2-Dichloroethene/ppb	< 20.5 < 17.5	< 0.41 < 0.35	< 0.41 < 0.35	< 0.41	< 0.41	70	7
trans-1,2-Dichloroethene/ppb 1,2-Dichloropropane/ppb	< 19.5	< 0.39	< 0.39	< 0.35 < 0.39	< 0.35 < 0.39	100	20
1,3-Dichloropropane/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 0.49	5	0.5
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	==	<b>=</b>
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	0.05	0.005
Ethylbenzene/ppb	610	< 0.2	< 0.2	< 0.2	< 0.2	700	140
Hexachlorobutadiene/ppb	< 73.5	< 1,47	< 1.47	< 1.47	< 1.47	== ' '''	==
sopropylbenzene/ppb	47	< 0.29	< 0.29	< 0.29	< 0.29	==	==
p-isopropyltoluene/ppb Methylene chloride/ppb	< 14 < 47	< 0.28 < 0.94	< 0.28 < 0.94	< 0.28 < 0.94	< 0.28 < 0.94	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 41	< 0.82	< 0.82	< 0.82	5.1	5 60	0.5
Naphthalene/ppb	146 "J"	< 2.17	< 2.17	< 2.17	< 2.17	100	10
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	0.2	0.02
1,1,1,2-Tetrachloroethane/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 0.47	70	7
Tetrachloroethene (PCE)/ppb	< 24	< 0.48	< 0.48	< 0.48	< 0.48	5	0.5
Toluene/ppb	6400	< 0.67	< 0.67	< 0.67	< 0.67	800	160
1,2,4-Trichlorobenzene/ppb	< 64,5	< 1.29	< 1.29	< 1.29	< 1.29	70	14
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	200	40
1,1,2-Trichloroethane/ppb	< 32.5	< 0.65	< 0.65	< 0.65	< 0.65	5	0.5
Trichloroethene (TCE)/ppb	< 22.5	< 0.45	< 0.45	< 0.45	< 0.45	5	0.5
Trichlorofluoromethane/ppb	< 32	< 0.64 < 1.14	< 0.64 < 1.14	< 0.64 < 1.14	< 0.64	==	==
1,2,4-Trimethylbenzene/ppb 1,3,5-Trimethylbenzene/ppb	360 110 "J"	< 0.91	< 0.91	< 0.91	< 1.14 < 0.91	Total TMD1- 400	Total TMDI: AC
Vinyl Chloride/ppb	< 9.5	< 0.19	< 0.19	< 0.19	< 0.19	Total TMB's 480 0.2	Total TMB's 96
m&p-Xylene/ppb	1760	< 1.56	< 1.56	< 1.56	< 1.56	U.Z	0.02
o-Xylene/ppb	900	< 0.39	< 0.39	< 0.39	< 0.39	Total Xylenes 2000	Total Xylenes 400
- 41		• •				. Ottal Alfield Education	. 516774701163 700

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

<sup>(</sup>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) 668.12	Depth to water from top of PVC (in feet) 12.55	Lead (ppb) 25.9	Benzene (ppb) 5100	Ethyl Benzene (ppb) 610	MTBE (ppb) <41	Naph- thalene (ppb) 146	Toluene (ppb) 6400	Trimethyl- benzenes (ppb) 470	Xylene (Total) (ppb) 2660
		RD ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE	ACTION LIM	IIT PAL = Italics	1.5	0.5	140	12	10	160	96	400

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)

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

(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)

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

(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)

	Water Elevation	Depth to water from top of PVC	Lead	Benzene	Ethyl Benzene	MTBE	Naph- thalene	Toluene	Trimethyl- benzenes	Xylene (Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(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 MI	ENT STANDA	RD ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE		IIT PAL = Italics	1.5	0.5	140	12	10	160	96	400

(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)

	Water	Depth to water		l	Ethvl		Naph-	ŀ	Trimethyl-	Xvlene
	Elevation	from top of PVC	Lead	Benzene	Benzene	MTBE	thalene	Toluene	benzenes	(Total)
Date	(in feet msl)	(in feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(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 M	ENT STANDA	\RD ES = Bold	15	5	700	60	100	800	480	2000
PREVENTIVE	ACTION LIN	IIT PAL = Italics	1.5	0.5	140	12	10	160	96	400

(ppb) = parts per billion

(ppm) = parts per million

ns = not sampled

nm = not measured

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

#### Well MW-1

	Ace-	Acenaph-		Benzo(a)	Benzo(a)	Benzo(b)	Benzo(g,h,l)	Benzo(k)		Dibenzo(a,h)	Fluoran-		Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-	
	naphthene	thylene	Anthracene	anthracene	pyrene	fluoranthene	Perylene	fluoranthene	Chrysene	anthracene	thene	Fluorene	ругеле	naphthalene	naphthalene	thalene	threne	Pyrene
Date	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	<u>(ppb)</u>	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	_(ppb)	(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
																<u> </u>		
	NT STANDARD :		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

	Ace-	Acenaph-	<u> </u>	Benzo(a)	Benzo(a)	Benzo(b)	Benzo(g,h,l)	Benzo(k)		Dibenzo(a,h)	Fluoran-		Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-	
1	naphthene	thylene	Anthracene	anthracene	pyrene	fluoranthene	Perylene	fluoranthene	Chrysene	anthracene	thene	Fluorene	pyrene	naphthalene	naphthalene	thalene	threne	Pyrene
Date	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(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
										-								
	NT STANDARD :		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

	Ace-	Acenaph-		Benzo(a)	Benzo(a)	Benzo(b)	Benzo(g,h,I)	Benzo(k)		Dibenzo(a,h)	Fluoran-		Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-	
	naphthene	thylene	Anthracene	anthracene	pyrene	fluoranthene	Perylene	fluoranthene	Chrysene	anthracene	thene	Fluorene	pyrene	naphthalene	naphthalene	thalene	threne	Pyrene
Date	(ppb)	_(ppb)	(ppb)	(ppb)	(ppb)	(dgq)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(dqq)	(ppb)	(ppb)	(ppb)
05/10/17								NC	T SAMPLE	D								
ENFORCE ME	NT 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 ns = not sampled

(ppm) = parts per million

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

	Ace-	Acenaph-		Benzo(a)	Benzo(a)	Benzo(b)	Benzo(g,h,l)	Benzo(k)		Dibenzo(a,h)	Fluoran-		Indeno(1,2,3-cd)	1-Methyl-	2-Methyl-	Naph-	Phenan-	
1	naphthene	thylene	Anthracene	anthracene	pyrene	fluoranthene	Perylene	fluoranthene	Chrysene	anthracene	thene	Fluorene	pyrene	naphthalene	naphthalene	thalene	threne	Pyrene
Date	(ppb)	(p <u>pb</u> )	(ppb)	(ppb)	(ppb)	_(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/10/17								NC.	TSAMPLE	D								
	NT STANDARD :		3000		0,2	0.2			0.2		400	400	•	•		100		250
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	600	-	0.02	0.02			0.02	-	80	80			T	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

	Ace- naphthene	Acenaph- thylene	Anthracene	Benzo(a) anthracene	, , ,	Benzo(b) fluoranthene		Benzo(k) fluoranthene	Christian	Dibenzo(a,h) anthracene	Fluoran- thene	Fluorene	Indeno(1,2,3-cd)	1-Methyl- naphthalene	2-Methyl- naphthalene		Phenan-	
D.1.		,			1. 2		, -						pyrene		1 '	1 1 1	1 1	/ T
Date	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
05/10/17								NC.	T SAMPLE	ט				,	,			
	<u> </u>																	
	NT STANDARD		3000	-	0.2	0.2			0.2		400	400		<u> </u>		100		250
PREVENTIVE A	ACTION LIMIT =	PAL - Italics	600		0.02	0.02	-		0.02	<u>-</u>	80	80	] <u> </u>			10	) —	50

(ppb) = parts per billion

(ppm) = parts per million

ns = not sampled

nm = not measured

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

#### Well MW-1

Date	Dissolved Oxygen (ppm)	рH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man- ganese (ppb)
05/10/17	0.96	6.84	34.00	10.50	1027.00	NS	NS	NS	NS
	MENT STAND					10	-	-	300
PREVENTIV	/E ACTION LI	MIT = <i>PAI</i>	L - Italics			2	-	- 1	60

(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)	Нq	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man- ganese (ppb)
05/10/17	0.61	7.35	241.00	11.20	748.00	NS	NS	NS	NS
ENFORCE N						10	<u></u>	-	300
PREVENTIV	'E ACTION LI	MIT = PAL	Italics			2	-		60

(ppb) = parts per billion

ns = not sampled

(ppm) = parts per million

nm = not measured

ORP = Oxidation Reduction Potential

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

#### Well MW-3

	Dissolved					Nitrate +	Total	Dissolved	Man-
Date	Oxygen	pН	ORP	Temp	Specific	Nitrite	Sulfate	Iron	ganese
	(ppm)			(C)	Conductance	(ppm)	(ppm)	(ppm)	(ppb)
05/10/17	2.92	7.28	284.00	12.80	595.00	NS	NS	NS	NS
ENFORCE N	MENT STAND	ARD ≈ ES	– Bold			10	3	-	300
PREVENTIV	E ACTION LI	MIT = PAL	Italics			2	-	-	60

(ppb) = parts per billion ns = not sampled

(ppm) = parts per million nm = not measured

ORP = Oxidation Reduction Potential

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

#### Well MW-4

Date 05/10/17	Dissolved Oxygen (ppm) 1.22	pH 7.43	ORP 262.00	Temp (C) 12.60	Specific Conductance 582.00	Nitrate + Nitrite (ppm) NS	Total Sulfate (ppm) NS	Dissolved Iron (ppm) NS	Man- ganese (ppb) NS
ENFORCE N						10	-	-	300
PREVENTIV	E ACTION LI	MIT = PAL	Italics			2	-	-	60

(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)	pН	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man- ganese (ppb)
05/10/17	1.33	7.46	235.00	13.90	1744.00	NS	NS	NS	NS NS
	MENT STAND E ACTION LI					10	-	-	<b>300</b>

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

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

## 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 P	VC (feet)	-			
05/10/17	12.55	8.30	9.06	11.16	11.69
Depth to Water From Ground S	Surface (fe	eet)			
05/10/17	13 23	้อ อว	0.50	11 01	12.20

Depuir to Mater 1 Tolli Groun	na ounace (ne	.019			
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

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

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 pickedup 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

Invoice # E32453

Project #

Lab Code

5032453A

Sample ID METH BLANK

Sample Matrix Soil Sample Date

2/6/2017

Dampie Date 2/0/2017										
•	Result	Unit	LOD L	OQ D	i	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	TCC	1
Ethylbenzene	< 0.025	mg/kg	10.0	0.032	1	GRO95/8021		2/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	Ī	GRO95/8021		2/15/2017	TCC	]
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		2/15/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		2/15/2017	TCC	]
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	i	GRO95/8021		2/15/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	ļ	GRO95/8021		2/15/2017	TCC	l
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		2/15/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	i	GRO95/8021		2/15/2017	TCC	1

Project Name A	AUTO REPA	AIR ON VLIET					Invoice	# E324:	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453B G-2-1 Soil 2/6/2017										
•		Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		87.8	%			ı	5021		2/10/2017	NJC	1
Inorganic Metals Lead, Total		441	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CML	1 49
Organic PVOC + Napht	thalene ± 1.2	DCA									
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl eth Naphthalene Toluene 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz m&p-Xylene o-Xylene	her (MTBE) zenc	<0.03 <0.038 0.38 <0.05 0.75 0.33 3.2 1.29 1.9 0.82	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.12 0.11 0.16 0.3 0.1 0.08 0.1	1 1 1 1 1 1 1 1 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5032453C G-3-1 Soil 2/6/2017	Result	Unit	LOD	LOQ D	ił	Method	Ext Date	Run Date	Analyst	Code
General		Result	Oint	202	200						
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	1 49
Organic PVOC + Napht	halene + 1.2	DCA									
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl eth Naphthalene Toluene 1,2,4-Trimethylbenz m&p-Xylene o-Xylene	ner (MTBE) zene	<0.3 <0.38 5.8 <0.5 14.4 1.32 49 17.9 19.4 4.0	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.38 0.35 0.5 0.94 0.32 0.25 0.32 0.72	1.2 1.1 1.6 3 1 0.8 1 2.3	01 01 01 01 01 01 01	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	1 1 4 1 1 1 1 1

Project Name AUTO REPAIR ON VLIET

Project #

Lab Code

5032453D

G-3-3 Sample ID Sample Matrix Soil Sample Date 2/6/2

2/6/2017

Sample Date	2/6/2017	n	[2	Unit	LOD	LOQ	Sil	Method	Ext Date	Run Date	Analyst	Code
		Res	uit	Onic	LOD	LOQ	711	Memod	DAI DUIC	Run Dute		
General			•									
General								500 t		2/10/2017	NJC	1
Solids Percent		84.2		%			1	5021		2/10/2017	NJC	1
Inorganic												
Metals												
		5.55		mg/Kg	0.3	4 1.10	5 2	6010B		2/16/2017	CWT	i 49
Lead, Total		5.55		mg/rg	0,0			***				
Organic												
VOC's										0400017	CID	1
Benzene		16.8	"J"	mg/kg	1.					2/18/2017	CJR CJR	I I
Bromobenzene			< 1.25	mg/kg	1.2					2/18/2017 2/18/2017	CJR	1
Bromodichloromet	hane		< 3.7	mg/kg	3.					2/18/2017	CJR	1
Bromoform			< 1.45	mg/kg	1.4					2/18/2017	CJR	i
tert-Butylbenzene			< 1.3	mg/kg	L.					2/18/2017	CJR	j
sec-Butylbenzene		8.1		mg/kg	1.6	_				2/18/2017	CJR	i
n-Butylbenzene		38	0.0	mg/kg	0.	-				2/18/2017	CJR	Ī
Carbon Tetrachlori	de		< 0.8	mg/kg	0.6	_				2/18/2017	CJR	ļ
Chlorobenzene			< 0.65 < 4.55	mg/kg mg/kg	4.5	-				2/18/2017	CJR	l
Chloroethane			< 1.75	mg/kg	1.7	_				2/18/2017	CJR	1
Chloroform			< 3.8	mg/kg	3.					2/18/2017	CJR	1
Chloromethane			< 0.75	mg/kg	0.7	_				2/18/2017	CJR	1
2-Chlorotoluene 4-Chlorotoluene			< 0.73	mg/kg	0.1	-				2/18/2017	CJR	[
1,2-Dibromo-3-ch	oronronane		< 2.9	mg/kg	2.			8260B		2/18/2017	CJR	ļ
Dibromochloromet			< 1.25	mg/kg	1.2		5 50	8260B		2/18/2017	CJR	1
1,4-Dichlorobenzer			< 1.85	mg/kg	1.8			8260B		2/18/2017	CJR	l
1,3-Dichlorobenzer			< 1.85	mg/kg	1.8	5	50	8260B		2/18/2017	CJR	1
1.2-Dichlorobenze			< 1.4	mg/kg	1.					2/18/2017	CJR	j.
Dichlorodifluorom			< 2.4	mg/kg	2.					2/18/2017	CJR	l ,
1,2-Dichloroethane			< 1.9	mg/kg	1.					2/18/2017	CJR	] 1
1,1-Dichloroethane			< 1.7	mg/kg	1.					2/18/2017	CJR CJR	i
1,1-Dichloroethene			< 1.1	mg/kg	į,					2/18/2017	CJR	1
cis-1,2-Dichloroeth	iene		< 1.6	mg/kg	1.					2/18/2017 2/18/2017	CJR	1
trans-1,2-Dichloro			< 1.4	mg/kg	1.					2/18/2017	CJR	i
I,2-Dichloropropar			< 1.75	mg/kg	1.7					2/18/2017	CJR	i
2,2-Dichloropropar			< 1.85	mg/kg	1.8					2/18/2017	CJR	i
1,3-Dichloropropa	ie .		< 1.25	mg/kg	0.	-				2/18/2017	CJR	i
Di-isopropyl ether			< 0.5	mg/kg mg/kg	0. 1.I	-				2/18/2017	CJR	1
EDB (1,2-Dibromo	ethane)	128	< 1.15	mg/kg	1.1	-	_			2/18/2017	CJR	1
Ethylbenzene		128	< 4.25	mg/kg	4.2	-				2/18/2017	CJR	İ
Hexachlorobutadie	ne	19.3	<b>~ 4.23</b>	mg/kg	1.	=				2/18/2017	CJR	1
Isopropylbenzene		8.4		mg/kg	I.4	-				2/18/2017	CJR	]
p-Isopropyltoluene Methylene chloride		0.4	< 7.5	mg/kg	7.					2/18/2017	CJR	1
Methyl tert-butyl e			< 2.5	mg/kg	2.		50	8260B		2/18/2017	CJR	1
Naphthalene	mor (marou)	65		mg/kg	4.		50	8260B		2/18/2017	CJR	1
n-Propylbenzene		43		mg/kg	1.6					2/18/2017	CJR	į
1,1,2,2-Tetrachloro	ethane		< 1.4	mg/kg	1.	4 4	50	8260B		2/18/2017	CJR	1
1,1,1,2-Tetrachloro			< 1.4	mg/kg	I.	4 4.5				2/18/2017	CJR	1
Tetrachloroethene			< 1.6	mg/kg	1.					2/18/2017	CJR	1
Тошеле		230		mg/kg	1.					2/18/2017	CJR	1
1,2,4-Trichloroben:	zene		< 3.2	mg/kg	3.	2 10	50	8260B		2/18/2017	CJR	1
-,-,,												

Project Name A	AUTO REPA	AIR ON VLIET				Invo	ice# E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453D G-3-3 Soil 2/6/2017	Result	Unit	LOĐ LO	OO Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenz 1,1,1-Trichloroethau 1,1,2-Trichloroethau 1,1,2-Trichloroethau Trichloroethene (TC Trichlorofluorometh 1,2,4-Trimethylbenz 1,3,5-Trimethylbenz Vinyl Chloride m&p-Xylene o-Xylene SUR - 1,2-Dichloro SUR - 4,2-Pormofluo SUR - Dibromofluo SUR - Toluene-d8	ne ne CE) hane zene zene ethane-d4 trobenzene tromethane	< 3.3   < 1.5   < 1.65   < 2.05   < 2.05   < 2.05   < 2.05  110   < 0.95  450  182  103  101  95  111	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg Rec % Rec % Rec %	3.3 1.5 1.65 2.05 2.05 1.25 1.6 0.95 3.6 2.2	10.5 50 48 50 5.5 50 6.5 50 4 50 5 50 3.1 50 11.5 50 7 50 50 50 50	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017 2/18/2017	CJR	
Lab Code Sample ID Sample Matrix Sample Date	5032453E G-4-1 Soil 2/6/2017	Result	Unit	LOD LO	OQ 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	1 49
Organic PVOC + Napht Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl eth Naphthalene Toluene 1,2,4-Trimethylbenz m&p-Xylene o-Xylene	her (MTBE) zene	<ul> <li>OCA</li> <li>0.03</li> <li>0.038</li> <li>0.035</li> <li>0.05</li> <li>0.094</li> <li>0.032</li> <li>0.025</li> <li>0.032</li> <li>0.032</li> <li>0.072</li> <li>0.072</li> <li>0.044</li> </ul>	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96   1 0.12   1 0.11   2 0.16   1 0.3   1 0.1   1 0.08   1 0.1   1 0.23   1 0.14   1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	1 1 1 1 1 1 1 1

Project Name // Project #	AUTO REPA	AIR ON VLIET				Invoi	ce# E324:	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453F G-4-3 Soil 2/6/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent		82.9	%		į	5021		2/10/2017	NJC	1
Organic PVOC + Naph	thalene + 1.2	2 DCA								
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene 0-Xylene	her (MTBE) zene	< 0.03 < 0.038 < 0.035 < 0.05 < 0.094 < 0.032 < 0.025 < 0.032 < 0.072 < 0.044	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	] [
Lab Code Sample ID Sample Matrix Sample Date	5032453G G-5-1 Soil 2/6/2017	Result	Unit	LOĐ L	no Bil	Method	Ext Date	Run Date	Analyst	Code
Canaral		Result	Onit	LOD L	OQ D.				•	
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	1 49
Organic PVOC + Napht	thalene ± 1.2	DCA								
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	< 0.03 < 0.038 < 0.035 < 0.05 < 0.094 < 0.032 < 0.025 < 0.032 < 0.072 < 0.044	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.074	0.96	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	i ! ! ! ! ! !

AUTO REPA	AIR ON VLIET				Inv	oice # E324:	53		
5032453H G-5-3 Soil 2/6/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
	81.6	%		1	5021		2/10/2017	NJC	1
	, nat								
thalene + 1,2 her (MTBE) zene zene	<pre>&lt; 0.03</pre>	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96 1 0.12 I 0.11 1 0.16 1 0.3 1 0.1 I 0.08 I 0.1 1 0.23 I 0.14 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	1 1 1 1 1 1 1 1
50324531 G-6-1 Soil 2/6/2017	Dacult	Unit	LOD L	oo Dil	Method	Ext Date	Run Date	Analyst	Code
	Result	Ollit	LOD ~	O V 2				_	
	83.9	%		1	5021		2/10/2017	NJC	1
	4.68	mg/Kg	0.34	1.16 2	6010B		2/16/2017	CWT	1 49
thatene + 1,2 her (MTBE) zene zene	<pre>&lt; 0.03</pre>	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072	0.96 1 0.12 1 0.11 1 0.16 1 0.3 1 0.1 1 0.08 1 0.1 1 0.23 1 0.14 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	
	5032453H G-5-3 Soil 2/6/2017 thalene + 1,2 ther (MTBE) zene 5032453! G-6-1 Soil 2/6/2017 thalene + 1,2	G-5-3 Soil 2/6/2017  Result  81.6  thalene + 1,2 DCA	5032453H G-5-3 Soil 2/6/2017  Result  Unit  81.6  %  ### Halene + 1,2 DCA	5032453H G-5-3 Soil 2/6/2017  Result  Unit LOD Location  81.6  %  thalene + 1,2 DCA	So32453H   G-5-3   Soil   2/6/2017   Result   Unit   LOD   LOQ   Dil	Solition   State   S	Solicate	Solution   Solution	Solid   Soli

Project Name /	AUTO REPA	AIR ON VLIET					Inv	oice # E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453J G-6-2 Soil 2/6/2017	Result	Unit	LOD	LOQ 1	Dil	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		85.6	%			1	5021		2/10/2017	NJC	1
Organic											
PVOC + Naph Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: 1,3,5-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	2 DCA 0.53 "J" < 0.38 65 < 0.5 23.6 15.3 136 48 129 48	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.3; 0.3; 0.9 0.3 1.2; 0.3; 0.7; 0.4	8 1.3 5 1.1 5 1.6 4 2 2 2 5 4 2 2 2.3	10 10 10 10 10 10 50 10	8260B 8260B 8260B 8260B 8260B 8260B		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	CJR	1 1 1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5032453K G-6-4 Soil 2/6/2017	Danie	Unit	LOD	LOQ	Dil.	Method	Ext Date	Run Date	Analyst	Code
General		Result	Cint	LOD	LOQ	<i>71</i> 1	Method	Dat Date		, <u>, , , , , , , , , , , , , , , , , , </u>	
General Solids Percent		86.6	%			1	5021		2/10/2017	NJC	[
Organic PVOC + Naphi	thalene + 1,2	. DCA							2442017	CID.	1
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl eti Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	3.5 "J" < 0.38 2.18 < 0.5 3.6 8.2 3.6 1.36 6.2 2.94	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.3; 0.3 0.9 0.3 0.2; 0.32 0.7	8 × 1.4 5 1.1 5 1.6 4 2 5 0.8 2 2 2.5	10 10 10 10 10 10 10	8260B 8260B 8260B 8260B 8260B		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	CJR	

Project Name A	AUTO REPA	AIR ON VLIET					Invoice #	E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453L G-7-1 Soil 2/6/2017	Result	Unit	LOD	LOQ Dil		Method Ex	xt Date	Run Date	Analyst	Code
General General Solids Percent		89.4	%			ĵ	5021		2/10/2017	NJC	1
Inorganic Metals Lead, Total Organic		3.53	mg/Kg	0.34	1.16	2	6010B		2/16/2017	CWT	1 49
PVOC + Napht Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: 1,3,5-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	<ul> <li>CDCA</li> <li>&lt; 0.03</li> <li>&lt; 0.038</li> <li>&lt; 0.035</li> <li>&lt; 0.05</li> <li>&lt; 0.094</li> <li>&lt; 0.032</li> <li>&lt; 0.025</li> <li>&lt; 0.032</li> <li>&lt; 0.072</li> <li>&lt; 0.044</li> </ul>	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.12 0.11 0.16 0.3 0.1 0.08 0.1 0.23	1 1 1 1 1 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	
Lab Code Sample ID Sample Matrix Sample Date	5032453M G-7-3 Soil 2/6/2017	Result	Unit	FOD	LOQ Dil		Method E	xt Date	Run Date	Analyst	Code
General General Solids Percent		84.0	%			1	5021		2/10/2017	NJC	1
Organic PVOC + Napht Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl eth Naphthalene Toluene 1,2,4-Trimethylbent 1,3,5-Trimethylbent m&p-Xylene o-Xylene	her (MTBE) zene	2 DCA 26.3 < 0.76 105 < 1 34 226 138 49 281 116	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.6 0.76 0.7 1.88 0.64 0.5 0.64 1.44 0.88	2.4 2 2.2 2 3.2 2 6 2 2 2 1.6 2 4.6 2	10 10 10 10 10 10 10	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	CJR	1 1 1 1 1 1 1 1

Project Name AUTO REPAIR ON VLIET Invoice # E32453

Project #

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

Sample Date	2/0/2017										
		Result	Unit	LOD	LOQ D	li	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	1 49
Organic											
PVOC + Napi	hthalene + 1,	2 DCA									
Benzene	ŕ	< 0.03	mg/kg	0.03	0.96	1	8260B		2/13/2017	CJR	I
1,2-Dichloroethan	e	< 0.038	mg/kg	0.038	0.12	ſ	8260B		2/13/2017	CJR	1
Ethylbenzene		< 0.035	mg/kg	0.035	0.11	1	8260B		2/13/2017	CJR	i
Methyl tert-butyl o	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		< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	ĺ
1,2,4-Trimethylbe	nzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/13/2017	CJR	Ī
1,3,5-Trimethylbe		< 0.032	mg/kg	0.032	0.1	1	8260B		2/13/2017	CJR	į
m&p-Xylene		< 0.072	mg/kg	0.072	0.23	1	8260B		2/13/2017	CJR	Ī
o-Xylene		< 0.044	mg/kg	0.044	0.14	1	8260B		2/13/2017	CJR	1
Lab Code	50324530										
Sample ID	G-8-3										

Lab Code 50324536 Sample ID G-8-3 Sample Matrix Soil Sample Date 2/6/2017

	Result	Unit	LOD I	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			ì	1207		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-Dichforoethane	< 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	i
Methyl tert-butyl ether (MTBE)	< 1	mg/kg	]	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	ì
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 Name Project #	AUTO REPA	AIR ON VLIET				Inv	oice # E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453P G-9-3 Soil 2/6/2017	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General Solids Percent		86.9	%		1	5021		2/10/2017	NJC	I
Organic PVOC + Naph Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	e ither (MTBE) nzene nzene	2 DCA 7.0 "J" < 0.76 59 < 1 42 56 120 46 158 54	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.6 0.76 0.7 1 1.88 0.64 0.5 0.64 1.44 0.88	19.2 20 2.4 20 2.2 20 3.2 20 6 20 2 20 1.6 20 2 20 4.6 20 2.8 20	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5032453Q G-10-1 Soil 2/6/2017	Result	Unit	LOD LA	OO Dil	Method	Ext Date	Run Date	Analyst	Code
General		Result	Cilit		- ( -					
General Solids Percent Inorganic	·	84.9	%		1	5021		2/10/2017	NJC	1
Metals Lead, Total		256	mg/Kg	0.34	1.16 2	6010B		2/16/2017	CWT	1 49
Organic PVOC + Naph	nthalene + 1,2	2 DCA		0.00	0.06	92200		2/13/2017	CJR	1
Benzene 1,2-Dichloroethand Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylber 1,3,5-Trimethylber m&p-Xylene o-Xylene	ther (MTBE)	< 0.03 < 0.038 0.041 "J" < 0.05 < 0.094 0.038 "J" 0.098 0.035 "J" < 0.044	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96 1 0.12 1 0.11 1 0.161 0.3 1 0.1 1 0.08 1 0.1 1 0.23 1 0.14 1	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR CJR CJR CJR CJR CJR CJR CJR CJR	

Project Name Project #	AUTO REPA	AIR ON VLIET				Invoic	e# E324:	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453R G-10-3 Soil 2/6/2017	Result	Unit	LOD LO	Q Dil	Method	Ext Date	Run Date	Analyst	Code
General General						-021		2/10/2017	NJC	1 .
Solids Percent		85.1	%		1	5021		2/10/2017	Mac	•
Organic PVOC + Naph Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene Lab Code Sample ID Sample Matrix Sample Date	ther (MTBE) sizene 5032453S G-15-3	< 0.03 < 0.038 < 0.035 < 0.05 < 0.094 < 0.032 < 0.025 < 0.032 < 0.072 < 0.044	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96 l 0.12 l 0.11 l 0.16 f 0.3 l 0.1 l 0.08 l 0.1 l 0.23 l 0.14 l	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B	Fort Date	2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR CJR CJR CJR CJR CJR CJR CJR CJR CJR	
General		Result	Unit	LOD LO	ווע אַי	Method	Ext Date	Kun Date	Anaiyst	Couc
General General Solids Percent		83.4	%		I	5021		2/10/2017	NJC	i
Organic PVOC + Naph	thalene + 1.2	2 DCA								
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ther (MTBE)	<0.15 <0.19 0.57 <0.25 1.44 "J" <0.16 20.7 10.8 1.03 "J" 0.37 "J"	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.15 0.19 0.175 0.25 0.47 0.16 0.125 0.16 0.36 0.22	4.8 5 0.6 5 0.55 5 0.8 5 1.5 5 0.5 5 0.4 5 0.5 5 1.15 5 0.7 5	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017	CJR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Project Name /	AUTO REPA	AIR ON VLIET				I	nvoice # E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453T G-17-1 Soil 2/7/2017		<b>T</b> 1. **	ron t	oo bil	Method	Evt Data	Run Date	Analyst	Code
		Result	Unit	rod r	ווע טָט	Memod	Ext Date	Kun Date	Anaiyst	Cour
General General Solids Percent		84.9	%		ı	5021		2/10/2017	NJC	1
Inorganic										
Metals						(0100		2/14/2017	CWT	I 49
Lead, Total		24.3	mg/Kg	0.34	1.16 2	6010B		2/16/2017	CWI	1 47
Organic										
PVOC + Naphi	thalene + 1,2	2 DCA							O.I.D.	
Benzene		< 0.03	mg/kg	0.03	0.96 [	8260B		2/13/2017 2/13/2017	CJR CJR	1 1
1,2-Dichloroethane		< 0.038	mg/kg	0.038 0.035	0.12 1 0.11 1	8260B 8260B		2/13/2017	CJR	i
Ethylbenzene	t () (TD)	< 0.035 < 0.05	mg/kg mg/kg	0.055	0.16 1	8260B		2/13/2017	CJR	Ī
Methyl tert-butyl et Naphthalene	ner (MIBE)	< 0.094	mg/kg	0.094	0.3 1	8260B		2/13/2017	CJR	l
Toluene		< 0.032	mg/kg	0.032	0.1 1	8260B		2/13/2017	CJR	1
1,2,4-Trimethylben	zene	0.43	mg/kg	0.025	0.08 1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylben		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 CJR	1 1
o-Xylene		0.138 "J"	mg/kg	0.044	0.14	8260B		2/13/2017	CJK	,
Lab Code	5032453U									
	G-17-2									
Sample ID										
Sample Matrix										
Sample Date	2/7/2017		K1 *4	LODI	00 D:I	Method	Evt Date	Run Date	Analyst	Code
		Result	Unit	LOD L	UŲ DII	Method	Ext Date	Run Date	Anaryse	0040
General										
General	21							2442247	NUC	1
Solids Percent		90.7	%		1	5021		2/10/2017	NJC	,
Organic										
PVOC + Napht	thalene + 1,2	DCA							G.10	
Benzene		< 0.03	mg/kg	0.03	0.96 1	8260B		2/13/2017	CJR	1
I,2-Dichloroethane		< 0.038	mg/kg	0.038	0.12 1	8260B		2/13/2017 2/13/2017	CJR CJR	1 1
Ethylbenzene		< 0.035	mg/kg	0.035	0.11 1 0.16 1	8260B 8260B		2/13/2017	CJR	1
Methyl tert-butyl et	her (MTBE)	< 0.05 < 0.094	mg/kg m <i>g</i> /kg	0.05 0.094	0.10 1	8260B		2/13/2017	CJR	i
Naphthalene		< 0.032	mg/kg	0.034	0.1	8260B		2/13/2017	CJR	1
Toluene 1,2,4-Trimethylbena	7811A	< 0.025	mg/kg	0.025	0.08 1	8260B		2/13/2017	CJR	1
1,3,5-Trimethylben	zene	< 0.032	mg/kg	0.032	0.1 1	8260B		2/13/2017	CJR	Ţ
m&p-Xylene		< 0.072	mg/kg	0.072	0.23 1	8260B		2/13/2017	CJR CJR	1 1
o-Xylene		< 0.044	mg/kg	0.044	0.14 1	8260B		2/13/2017	CJK	1

Project Name Project #	AUTO REPA	AIR ON VLIET				Inve	oice # E324:	53		
Lab Code Sample ID Sample Matrix Sample Date	5032453V G-17-3 Soil 2/7/2017	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General								•	÷	
General Solids Percent		83.9	%		1	5021		2/10/2017	NJC	1
Organic PVOC + Naph	thalene + 1 2	DCA								
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl e Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	ther (MTBE) zene	<0.3 <0.38 <0.35 <0.5 1.85 "J" <0.32 79 87 5.9 1.6	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.38 0.35 0.5 0.94 0.32 0.25 0.32 0.72 0.44	9.6 10 1.2 10 1.1 10 1.6 10 3 10 1 10 0.8 10 1 10 2.3 10 1.4 10	8260B		2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017 2/13/2017	CJR	       1
Lab Code Sample ID Sample Matrix Sample Date	5032453W MW-1-1 Soil 2/7/2017									
•		Result	Unit	rod re	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent Inorganic		85.7	%		1	5021		2/10/2017	NJC	i
Metals Lead, Total		3.31	mg/Kg	0.34	1.16 2	6010B		2/16/2017	CWT	1 49
Organic PVOC + Naph	thalene + 1,2									
Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	< 0.03 < 0.038 < 0.035 < 0.05 < 0.094 < 0.032 < 0.025 < 0.032 < 0.072 < 0.044	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.03 0.038 0.035 0.05 0.094 0.032 0.025 0.032 0.072 0.044	0.96 I 0.12 I 0.11 I 0.16 I 0.3 I 0.1 I 0.08 I 0.1 I 0.23 I 0.14 I	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B		2/15/2017 2/15/2017 2/15/2017 2/15/2017 2/15/2017 2/15/2017 2/15/2017 2/15/2017 2/15/2017	CJR	1 1 1 1 1 1 1

Project #										
Lab Code Sample ID Sample Matrix Sample Date	5032453X MW-1-2 Soil 2/7/2017	<b>1</b> 2	Floria	LOD LO	oo nii	Method	Evt Date	Run Date	Analyst	Code
0 1		Result	Unit	LOD L	ווע טכ	MELHOU	Ext Date	Nun Dutt	7111d1j5t	00-0
General General Solids Percent		85.I	%		1	5021		2/10/2017	NJC	1
Organic		DC4			•					
PVOC + Naph Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben 1,3,5-Trimethylben m&p-Xylene o-Xylene	her (MTBE) zene	2 DCA 0.54 "J" < 0.38 5.6 < 0.5 2.11 "J" 7.6 3.9 1.28 8.1 3.7	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.38 0.35 0.5 0.94 0.32 0.25 0.32 0.72 0.44	9.6 10 1.2 10 1.1 10 1.6 10 1 10 0.8 10 1 10 2.3 10 1.4 10	8260B 8260B 8260B 8260B		2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017	CJR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	5032453Y MW-1-3 Soil 2/7/2017	Result	Unit	LOD LO	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General Solids Percent		84.4	%		1	5021		2/10/2017	NJC	1
Organic PVOC + Naph Benzene 1,2-Dichloroethane Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben.	her (MTBE)	PDCA 4.1 "J" < 0.38 2.67 < 0.5 1.88 "J" 9.5 3.8	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.3 0.38 0.35 0.5 0.94 0.32 0.25	9.6 10 1.2 10 1.1 10 1.6 10 3 10 1 10 0.8 10	8260B 8260B 8260B 8260B		2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017 2/16/2017	CJR CJR CJR CJR CJR CJR CJR	1 1 1 1 1 1

Project Name AUTO REPAIR ON VLIET

	AUTO KEPA	IK ON VEIET					111101	232			
Project #											
Lab Code	5032453Z										
Sample ID	TRIP BLA	NK									
Sample Matrix	Water										
Sample Date	2/6/2017								_		~ .
•		Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic											
<del>-</del>	thalene										
PVOC + Naph	патене	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		2/13/2017	TCC	1
Benzene Ethylbenzene		< 0.56	ug/l	0.56		1	GRO95/8021		2/13/2017	TCC	i
Methyl tert-butyl et	her (MTBE)	< 0.43	ug/I	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	GRO95/8021		2/13/2017	TCC	i
1,2,4-Trimethylben	zene	< 0.56	ug/l	0.56		1	GRO95/8021		2/13/2017	TCC TCC	1
1,3,5-Trimethylben	zene	< 0.58	ug/l	0.58		1	GRO95/8021		2/13/2017 2/13/2017	TCC	İ
m&p-Хуlепе		< 1.1	ug/i	1.1		1 1	GRO95/8021 GRO95/8021		2/13/2017	TCC	ì
o-Xylene		< 0.61	ug/l	0.61	1.92	1	GKU93/6021		2/15/2017		•.
Lab Code	532453AA										
	G-4-W										
Sample ID											
Sample Matrix	Water										
Sample Date	2/6/2017	- 1.	TT 12	LOD	100 D		Method	Evt Data	Run Date	Analyst	Code
		Result	Unit	LOD	rog d	11	Method	Ext Date	Run Date	Amaryst	Couc
Organic											
PVOC + Naph	thalene									200	
Benzene		7600	ug/l	54			GRO95/8021		2/15/2017	TCC	l ì
Ethylbenzene		3400	ug/l	112			GRO95/8021		2/15/2017 2/15/2017	TCC TCC	1
Methyl tert-butyl et	her (MTBE)	< 86	ug/f	86 340			GRO95/8021 GRO95/8021		2/15/2017	TCC	i
Naphthalene		470 "J"	ug/l ug/l	66			GRO95/8021		2/15/2017	TCC	i
Toluene		20500 1460	ug/l	112			GRO95/8021		2/15/2017	TCC	1
1,2,4-Trimethylben 1,3,5-Trimethylben		400	ug/l	116			GRO95/8021		2/15/2017	TCC	1
m&p-Xylene	Zene	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
•	500 451 D.D.										
Lab Code	532453BB										
Sample ID	G-5-W										
Sample Matrix	Water										
Sample Date	2/7/2016							D / D-4-	Dun Data	Analwat	Codo
		Result	Unit	LOD	LOQ D	1Ē	Method	Ext Date	Run Date	Anaiysi	Coue
Organic											
PVOC + Naphi	thalene										
Benzene		1.05	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	
Ethylbenzene		1.36 "J"	ug/l	0.56		I	GRO95/8021		2/14/2017	TCC	l 1
Methyl tert-butyl et	her (MTBE)	< 0.43	ug/l	0.43		1	GRO95/8021		2/14/2017 2/14/2017	TCC TCC	1
Naphthalene		1.99 "J"	ug/l	1.7		1	GRO95/8021 GRO95/8021		2/14/2017	TCC	i
Toluene		4.7	ug/l ug/l	0.33 0.56		1 1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylben:		1.61 "J" 0.64 "J"	ug/i	0.58		l	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylben: m&p-Xylene	ZCIIC .	4.0	- ug/l	1.1		ì	GRO95/8021		2/14/2017	TCC	1
o-Xylene		2.04	ug/l	0.61		1	GRO95/8021		2/14/2017	TCC	i
0-Aylene		=== '	•								

Project Name AUTO REPAIR ON VLIET

Project Name A	AUTO REPA	AIR ON VLIET					Invoice	e# E3245	53		
Lab Code Sample ID Sample Matrix Sample Date	532453CC G-6-W Water 2/6/2017	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben m&p-Xylene o-Xylene	ther (MTBE) . zene zene	7300 2330 < 21.5 390 11300 2360 890 6600 2970	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	13.5 28 21.5 85 16.5 28 29 55 30.5	88.5 68 263.5 53 89 92 174.5	50 50 50 50 50 50 50 50	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	TCC TCC TCC TCC TCC TCC TCC TCC TCC	i 1 1 1 1 i 1 t
Lab Code Sample ID Sample Matrix Sample Date	532453DD G-7-W Water 2/6/2017	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben m&p-Xylene o-Xylene	iher (MTBE) zene	2430 1140 < 21.5 233 "J" 4500 760 281 2960 1310	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	13.5 28 21.5 85 16.5 28 29 55 30.5	88.5 68 263.5 53 89 92 174.5	50 50 50 50 50 50 50 50	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	TCC TCC TCC TCC TCC TCC TCC TCC TCC	; 1 f 1 1 1
Lab Code Sample ID Sample Matrix Sample Date	532453EE G-8-W Water 2/6/2017	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Organic  PVOC + Naph Benzene Ethylbenzene Methyl tert-butyl et Naphthalene Toluene 1,2,4-Trimethylben: m&p-Xylene o-Xylene	her (MTBE) zene	5800 910 < 21.5 253 "J" 7500 800 268 2890 1370	ug/l ug/l ug/l ug/l ug/l ug/l	13.5 28 21.5 85 16.5 28 29 55 30.5	88.5 68 263.5 53 89 92 174.5	50 50 50 50 50	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017 2/14/2017	TCC TCC TCC TCC TCC TCC TCC	1 1 1 1 1 1 1

Project Name AUTO F Project #	REPAIR ON VLIET	Γ		Invoice	# E324	53	
Lab Code 53245. Sample ID G-9-W Sample Matrix Water Sample Date 2/7/20	1	Unit	LOD LOQ Dil	Method	Ext Date	Run Date Analyst	Code
Organic PVOC + Naphthalene Benzene Ethylbenzene Methyl tert-butyl ether (MTB Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene	1790 890 <21.5 246 "J" 3500 700 257 2490	ດຣົ\] ດຣົ\] ດຣົ\] ດຣົ\] ດຣົ\] ດຣົ\]	13.5 43.5 50 28 88.5 50	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017. TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	
o-Xylene  Lab Code 53245: Sample ID G-10-V Sample Matrix Water Sample Date 2/6/20	W	ug/l Unit			Ext Date	Run Date Analyst	Code
Organic PVOC + Naphthalene Benzene Ethylbenzene Methyl tert-butyl ether (MTB Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	1.75 2.76 < 0.43 < 1.7 4.4 5.0 2.41 9.3 5.1	n8\! n8\! n8\! n8\! n8\! n8\! n8\!	0.27	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	
Lab Code 53245: Sample ID G-11-V Sample Matrix Water Sample Date 2/6/20	<i>V</i>	Unit	LOD LOQ Dil	Method	Ext Date	Run Date Analyst	Code
Organic PVOC + Naphthalene Benzene Ethylbenzene Methyl tert-butyl ether (MTB Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	1.85 0.61 "J" < 0.43 < 1.7 4.0 1.35 "J" < 0.58 1.72 "J" 0.99 "J"	ug/1 ug/1 ug/1 ug/1 ug/1 ug/1	0.27 0.87 1 0.56 1.77 1 0.43 1.36 1 1.7 5.27 1 0.33 1.06 1 0.56 1.78 1 0.58 1.84 1 1.1 3.49 1 0.61 1.92 1	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	] ] ] [ ] [ ] [ ]

Project Name AUTO REP. Project #	AIR ON VLIET	,		Invoice	# E3245	3	
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 Ethylbenzene Methyl tert-butyl ether (MTBE) Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	<1.35 <2.8 <2.15 <8.5 <1.65 <2.8 <2.9 <5.5 <3.05	n8/l n8/l n8/l n8/l n8/l n8/l	1.35	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	1 49 1 49 1 49 1 49 1 49 1 49 1 49 1 49
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 Ethylbenzene Methyl tert-butyl ether (MTBE) Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	4.1 19.6 < 0.43 < 1.7 18.3 5.8 2.56 35 4.6	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.27	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/13/2017 TCC 2/13/2017 TCC	1 55 1 55 1 55 1 55 1 55 1 55 1 55 1 55
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 Ethylbenzene Methyl tert-butyl ether (MTBE) Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	0.88 < 0.56 < 0.43 < 1.7 0.94 "J" < 0.56 < 0.58 < 1.1 < 0.61	යවා යවා යවා යවා යවා යවා යවා	0.27	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021		2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	

Project Name AUTO	O REPAIR ON VLIET	Γ		Invoice #	E32453	
Lab Code 532 Sample ID G-1 Sample Matrix Wat	453LL 5-W er 2017 Result	Unit	LOD LOQ Dil	Method E	xt Date Run Date Analyst	Code
Organic PVOC + Naphthaler Benzene Ethylbenzene Methyl tert-butyl ether (M Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	· 5.7 3.8 "J"	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	1.35	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	2/13/2017 TCC 2/13/2017 TCC	1 49 1 49 1 49 1 49 1 49 1 49 1 49 1 49
Sample ID G-1 Sample Matrix Wat	453MM 6-W er 2017 <b>Result</b>	Unit	LOD LOQ Dil	Method E	xt Date Run Date Analyst	Code
Organic PVOC + Naphthaler Benzene Ethylbenzene Methyl tert-butyl ether (M. Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p-Xylene o-Xylene	ne < 1.35 < 2.8	සළ/  අළ/  අළ/  අළ/  අළ/  අළ/  අළ/  අළ/	1.35	GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021 GRO95/8021	2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC 2/14/2017 TCC	1 49 1 49 1 49 1 49 1 49 1 49 1 49 1 49
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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

Project Name AUTO REPAIR ON VLIET

Project #

Michael Ricker

Invoice # E32453

# CHAIN OF STODY RECORD

Quote No.:

Leb I.D. II

Project #:

Account No. :

# Synergy

Chain # N2 288

# Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914

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

Sampler: (signature)		920-830-2455 • FAX 920-733-0631					المنتبي المنتبية	Normal Turn Around									
Project (Name / Location): Anto Repair on Vicet						Analysis Requested							Other Analysis				
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City State Zip Bayside, WI 53217						}				ALEN		22				District Holeson	; judinia u california
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Lab 10 Sample I.D. Collection Date Time	Comp Grab Filter	1	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95) GRO (Mod GRO Sep 95)	LEAD NITRATE/NITRITE	OIL & GREASE	PAH (E)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8280)	12-1			
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1 G-5-3 11:25 G-6-1 11:40	<del> </del>	2-3		Hone		X				X		<u> </u>		X		++-	
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Comments/Special Instructions (*Specify ground Lab to send copy of re Uec Rafes Agent Status			***************************************	**************************************		nalami kakangyong y	***********										
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# CHAIN OF JSTODY RECORD



Chain # Nº 288

Time: 8:00

Date: 2/10/17

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Received in Laboratory By:

### JSTODY RECORD

Quote No.:

Lab LD.#

Project #:

Account No. :



Chain #	Mō	290	
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# Environmental Lab, Inc.

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

Chain	# Nº	290	į
Page	3 of	i.	

Sample	<u>Handling</u>	Reques

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

X Normal Turn Around

Sampler: (alignature)		920-830-2455 • FAX 920-733-0631					L	Normal Turn Around														
Project (Name / Location): Auto Repair o	n Vlie	+		X(X):844;	The state of the s		Proposition	Anal	eisy	Rec	que	sted				×13. 9			Othe	r Ana	lysie	<b>3</b>
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G-12-3 1 2:50		ļ	<u>7</u> 3			╁┈	× × × × × × × × × × × × × × × × × × ×			-	-	-xioxeles	ÿ	_		ļ		X	<del>                                     </del>	-		-
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DB 6-7-W 26 lie			3	V									χ	************								
Comments/Special Instructions (*Specify ground	water "GW",	Drinking <sup>1</sup>	Water *DW", V	Waste Water	•"WW", Soil "S'	, Α	ir "A	ι", <b>Ο</b> Ξ	I. SI	udge	e etc	:-)										and the second s
Sample Integrity - To be completed by receiving Mathodiof Shipment:  Temp. of Temp. Blank°C On I	ylab.	Pelinquished By-(sign) Time  5.15				2	Da	le 1///	7 	celv	ed B	y: (si	: (sign)					Time	ł .	De	ate	
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## CHAIN OF STODY RECORD

Quote No.:

Lab LD, #

Account No.:



Chain # N2 288

Page	4	of	L	_

Environmental Lab, Inc.

Sa	liù	ple	Ha	n	pnilt	Requ	es.

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

1990 Prospect Ct. • Appleton, WI 54914 920-830-2455 • FAX 920-733-0631  (Rushes accepted only with pri											ion)						
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# 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 #

5032907A Lab Code

Sample ID Sample Matrix Sample Date	MW-5 Water 5/10/2017	Result	Unit	LOD L	OQ Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals				_		7421		5/18/2017	CWT	1 49
Lead, Dissolved	÷ .	< 4.5	ug/L	4.5	15 5	7421		3/10/2017	CWI	1 12
Organic	•									
VOC's										
Benzene		< 0.17	ug/l	0.17	0.55 1	8260B		5/15/2017	TCC	I .
Bromobenzene		< 0.43	ug/i	0.43	1.37 1	8260B		5/15/2017	TCC	,
Bromodichlorometh	ane	< 0.31	ug/l	0.31	1 1	8260B		5/15/2017	TCC	ì
Bromoform		< 0.49	ug/l	0.49	1.56 1	8260B		5/15/2017	TCC TCC	1
tert-Butylbenzene		< 0.39	ug/l	0.39	1.23 1	8260B		5/15/2017	TCC	I I
sec-Butylbenzene		< 0.24	ug/t	0.24	0.76	8260B		5/15/2017 5/15/2017	TCC	1
n-Butylbenzene		< 0.34	ug/l	0.34	1.08 1	8260B		5/15/2017	TCC	1
Carbon Tetrachlorid	е	< 0.21	ug/l	0.21	0.68 1	8260B		5/15/2017	TCC	ı
Chlorobenzene		< 0.27	ug/l	0.27	0.86	8260B		5/15/2017	TCC	1
Chloroethane		< 0.5	ug/l	0.5	1.6 1	8260B		5/15/2017	TCC	i
Chloroform		< 0.96	ug/l	0.96	3.04 1	8260B 8260B		5/15/2017	TCC	i
Chloromethane		< 1.3	ug/f	1.3	4.15 1	8260B		5/15/2017	TCC	Í
2-Chlorotoluene		< 0.36	ug/l	0.36	1.15 1	8260B		5/15/2017	TCC	i
4-Chlorotoluene		< 0.35	ug/l	0.35	1.11 1	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chlo	ropropane	< 1.88	ug/l	1.88	5.98 ]	8260B		5/15/2017	TCC	i
Dibromochlorometh	ane	< 0.45	ug/l	0.45	1,44 1 1,34 I	8260B		5/15/2017	TCC	i
1,4-Dichlorobenzen		< 0.42	ug/l	0.42	1.34 1	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzen		< 0.45	ug/l	0.45	1.43	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzen		< 0.34	ug/l	0.34	1.09 1	8260B		5/15/2017	TCC	1
Dichlorodifluorome	thane	< 0.38	ug/l	0.38	1.43 I	8260B		5/15/2017	TCC	Ī
1,2-Dichloroethane		< 0.45	ug/l	0.45	1.43	8260B		5/15/2017	TCC	1
1,1-Dichloroethane		< 0.42	ug/l	0.42 0.46	1.34 I 1.47 I	8260B		5/15/2017	TCC	1
1,1-Dichloroethene		< 0.46	ug/l	0.46	1.47	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroethe		< 0.41	ug/l	0.41	1.12	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroet	hene	< 0.35	ແຂ/ໂ	0.55	1.12 1	0200D				

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Invoice # E32907

Project Name AUTO REPAIR ON VLIET

Project #

Sample ID Lab Code 5032907A MW-5 Sample Matrix Water Sample Date 5/10/20 5/10/2017

Sample Date 5/10/2017	<b>75</b> 1.	17	LODIA	OO DO		Method	Ext Date Ru	un Date	Analyst	Code
	Result	Unit	LOD LO			_		/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		/15/2017	TCC	1
1,3-Dichloropropane	< 0.49	ug/I	0.49	1.55	1	8260B		/15/2017	TCC	1
trans-1,3-Dichloropropene	< 0.42	ug/f	0.42	1.33	1	8260B		/15/2017	TCC	ı İ
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		/15/2017	TCC	ľ
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	ı	8260B		/15/2017	TCC	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		/15/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		/15/2017	TCC	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		/15/2017	TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B			TCC	1
p-lsopropyltoluene	< 0.28	ug/l	0.28	0.91	l	8260B		/15/2017	TCC	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		/15/2017	TCC	1
Methyl tert-butyl ether (MTBE)	5.1	ug/l	0.82	2.6	1	8260B		/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		/15/2017		J 1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		/15/2017	TCC	J F
1,1,2,2-Tetrachloroethane	< 0.69	ug/f	0.69	2.21	1	8260B		/15/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		/15/2017	TCC	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		/15/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		/15/2017	TCC	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		/15/2017	TCC	1
1.2.3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	I	8260B		/15/2017	TCC	ļ
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	i	8260B		/15/2017	TCC	1
1,1,2-Trichloroethane	< 0.65	ug/I	0.65	2.06	Į	8260B		/15/2017	TCC	í
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		/15/2017	TCC	
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		/15/2017	TCC	l .
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	ſ	8260B		/15/2017	TCC	
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		/15/2017	TCC	[
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		/15/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		/15/2017	TCC	
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		/15/2017	TCC	!
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		/15/2017	TCC	
SUR - 4-Bromofluorobenzene	101	REC %			Ī	8260B		/15/2017	TCC	į
SUR - Dibromofluoromethane	96	REC %			1	8260B		/15/2017	TCC	1
SUR - Toluene-d8	105	REC %			1	8260B	5/	/15/2017	TCC	1

Project Name AUTO REPAIR ON VLIET

Project #

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

Sample Date	5/10/2017	Result	Unit	LOD L	OQ Di	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Lead, Dissolved		< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	l 49
		- 115	-9-								
Organic											
VOC's							0.00		6/15/2017	TCC	1
Benzene		< 0.17	ug/l	0.17	0.55	ì	8260B		5/15/2017	TCC	i
Bromobenzene		< 0.43	ug/l	0.43	1.37	]	8260B		5/15/2017	TCC TCC	1
Bromodichloromet	hапе	< 0.31	ug/l	0.31	1	į	8260B		5/15/2017 5/15/2017	TCC	i
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	i
sec-Butylbenzene		< 0.24	ug/l	0.24	0.76	1	8260B		5/15/2017	TCC	i
n-Butylbenzene		< 0.34	ug/l	0.34	1.08	1	8260B 8260B		5/15/2017	TCC	i
Carbon Tetrachlori	de	< 0.21	ug/l	12.0	0.68	1	8260B		5/15/2017	TCC	i
Chlorobenzene		< 0.27	ug/l	0.27	0.86	1 1	8260B		5/15/2017	TCC	1
Chloroethane		< 0.5	ug/l	0.5 0.96	1.6 3.04	1	8260B		5/15/2017	TCC	i
Chloroform		< 0.96	ug/l	1.3	4.15	í	8260B		5/15/2017	TCC	i
Chloromethane		< 1.3	ug/i	0.36	1.15	i	8260B		5/15/2017	TCC	Ē
2-Chlorotoluene		< 0.36	ug/l	0.36	1.13	í	8260B		5/15/2017	TCC	1
4-Chlorotoluene		< 0.35	ug/l	1.88	5.98	i	8260B		5/15/2017	TCC	t
1,2-Dibromo-3-chl		< 1.88 < 0.45	ug/l ug/l	0.45	1.44	ì	8260B		5/15/2017	TCC	1
Dibromochloromet		< 0.43	ug/l	0.42	1.34	i	8260B		5/15/2017	.LCC	1
1,4-Dichlorobenzer		< 0.42 < 0.45	ug/l	0.45	1.43	j	8260B		5/15/2017	TCC	1
1,3-Dichlorobenzer		< 0.34	ug/l	0.34	1.09	ĺ	8260B		5/15/2017	TCC	1
1,2-Dichlorobenzer		< 0.38	ug/l	0.38	1.2	1	8260B		5/15/2017	TCC	1
Dichlorodifluorome		< 0.45	ug/l	0.45	1.43	ĺ	8260B		5/15/2017	TCC	1
1,2-Dichloroethane		< 0.42	ug/l	0.42	1.34	1	8260B		5/15/2017	TCC	1
1,1-Dichloroethane		< 0.46	ug/l	0.46	1.47	1	8260B		5/15/2017	TCC	1
cis-1,2-Dichloroeth		< 0.41	ug/l	0.41	1.29	1	8260B		5/15/2017	TCC	1
trans-1,2-Dichloroe		< 0.35	ug/l	0.35	1.12	1	8260B		5/15/2017	TCC	1
1,2-Dichloropropar		< 0.39	ug/l	0.39	1.24	ł	8260B		5/15/2017	TCC	i
1,3-Dichloropropar		< 0.49	ug/l	0.49	1.55	1	8260B		5/15/2017	TCC	I.
trans-1,3-Dichlorop		< 0.42	ug/l	0.42	1.33	i	8260B		5/15/2017	TCC	ĺ
cis-1,3-Dichloropro	-	< 0.21	ug/l	0.21	0.65	1	8260B		5/15/2017	TCC	1
Di-isopropyl ether	perm	< 0.26	ug/i	0.26	0.83	1	8260B		5/15/2017	TCC	1
EDB (1,2-Dibromo	ethane)	< 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	l ,
Hexachlorobutadie	ne	< 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	ì	8260B		5/15/2017	TCC	1
Methylene chloride	:	< 0.94	ug/l	0.94	2.98	1	8260B		5/15/2017	TCC TCC	1
Methyl tert-butyl et	her (MTBE)	< 0.82	ug/l	0.82	2.6	Ī	8260B		5/15/2017		1
Naphthalene		< 2.17	ug/l	2.17	6.9	1	8260B		5/15/2017 5/15/2017	TCC TCC	1
n-Propylbenzene		< 0.19	ug/l	0.19	0.62	l	8260B			TCC	1
1,1,2,2-Tetrachloro	ethane	< 0.69	ug/l	0.69	2.21	1	8260B		5/15/2017	TCC	i
1,1,1,2-Tetrachloro	ethane	< 0.47	ug/l	0.47	1.48	1	8260B		5/15/2017 5/15/2017	TCC	l I
Tetrachloroethene		< 0.48	ug/l	0.48	1.52	1	8260B		5/15/2017	TCC	Ī
Toluene		< 0.67	ug/l	0.67	2.13	1	8260B			TCC	1
1,2,4-Trichlorobena	zene	< 1.29	ug/l	1.29	4.1	l	8260B		5/15/2017 5/15/2017	TCC	1
1,2,3-Trichlorobena		< 0.83	ug/l	0.83	2.63	]	8260B		5/15/2017	TCC	1
1,1,1-Trichloroetha	ne	< 0.35	ug/f	0.35	1.11	1	8260B		JITJIZVII	100	•

Project Name AUTO REPAIR ON VLIET Project #

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

5/10/2017	,									
	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.65	5 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	ī
Trichlorofluoromethane	< 0.64	l ug/l	0.64	2.04	1	8260B		5/15/2017	TCC	i
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		5/15/2017	TCC	i
I,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	ì
m&p-Xylene	< 1.56	ug/f	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	1
SUR - Toluene-d8	104	REC %			1	8260B		5/15/2017	TCC	i
SUR - Dibromofluoromethane	97	REC %			I	8260B		5/15/2017	TCC	i
SUR - 1,2-Dichloroethane-d4	001	REC %			1	8260B		5/15/2017	TCC	Ī
SUR - 4-Bromofluorobenzene	102	REC %			l	8260B		5/15/2017	TCC	1

Invoice # E32907

Project Name

AUTO REPAIR ON VLIET

Project #

Lab Code

5032907C

Sample ID

MW-3

Sample Matrix Water Sample Date 5/10/2017

Sample Date	5/10/2017	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Lead, Dissolved		< 4.5	ug/L	4.5	- 15	5	7421		5/18/2017	CWT	1 49
,			-8-								
Organic											
VOC's							00 ( 00		5/15/2017	TCC	1
Benzene		< 0.17	ug/l	0.17		i	8260B		5/15/2017	TCC	1
Bromobenzene		< 0.43	ug/l	0.43		1	8260B		5/15/2017	TCC	i
Bromodichlorometha	ne	< 0.31	ug/l	0.31		l	8260B		5/15/2017	TCC	i
Bromoform		< 0.49	ug/l	0.49		1	8260B		5/15/2017	TCC	i
tert-Butylbenzene		< 0.39	ug/l	0.39		1	8260B			TCC	1
sec-Butylbenzene		< 0.24	ug/i	0.24		1	8260B		5/15/2017	TCC	1
n-Butylbenzene		< 0.34	ug/l	0.34		1	8260B		5/15/2017	TCC	1
Carbon Tetrachloride		< 0.21	ug/l	0.21		1	8260B		5/15/2017	TCC	1
Chlorobenzene		< 0.27	ug/l	0.27		I	8260B		5/15/2017	TCC	1
Chloroethane		< 0.5	ug/l	0.5		1	8260B		5/15/2017	TCC	1
Chloroform		< 0.96	ug/l	0.96		1	8260B		5/15/2017		i I
Chloromethane		< 1.3	ug/f	1.3		i	8260B		5/15/2017	TCC	1
2-Chlorotoluene		< 0.36	ug/l	0.36		1	8260B		5/15/2017	TCC	I I
4-Chlorotoluene		< 0.35	ug/l	0.35		İ	8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloro	propane	< 1.88	ug/l	88.1		1	8260B		5/15/2017	TCC	i l
Dibromochlorometha		< 0.45	ug/l	0.45		l	8260B		5/15/2017	TCC	-
I.4-Dichlorobenzene		< 0.42	ug/l	1. 0.42		1	8260B		5/15/2017	TCC	1
1.3-Dichlorobenzene		< 0.45	ug/l	0.45		1	8260B		5/15/2017	TCC	1 I
1,2-Dichlorobenzene		< 0.34	ug/l	0.34		1	8260B		5/15/2017	TCC	، 1
Dichlorodifluorometh	ane	< 0.38	ug/l	0.38		I	8260B		5/15/2017	TCC	ı İ
1,2-Dichloroethane		< 0.45	ug/l	0.45		1	8260B		5/15/2017	TCC	
L.I-Dichloroethane		< 0.42	ug/l	0.42		1	8260B		5/15/2017	TCC	] [
1,1-Dichloroethene		< 0.46	ug/l	0.46		1	8260B		5/15/2017	TCC TCC	1
cis-1,2-Dichloroethen	е	< 0.41	ug/l	0.41		1	8260B		5/15/2017		ı l
trans-1,2-Dichloroeth		< 0.35	ug/l	0.35		1	8260B		5/15/2017	TCC	1
1,2-Dichloropropane		< 0.39	ug/l	0.39		1	8260B		5/15/2017	TCC	1
1.3-Dichloropropane		< 0.49	ug/l	0.49		1	8260B		5/15/2017	TCC TCC	1
trans-1,3-Dichloropro	pene	< 0.42	ug/l	0.42		1	8260B		5/15/2017	TCC	1
cis-1,3-Dichloroprope	ene	< 0.21	ug/l	0.21		1	8260B		5/15/2017		1
Di-isopropyl ether		< 0.26	ug/l	0.26		1	8260B		5/15/2017	TCC TCC	i 
EDB (1,2-Dibromoetl	nane)	< 0.34	ug/l	0.34		ı	8260B		5/15/2017	TCC	1
Ethylbenzene		< 0.2	ug/l	0.2		1	8260B		5/15/2017	TCC	1
Hexachlorobutadiene		< 1.47	ug/l	1.47		I	8260B		5/15/2017		1
Isopropylbenzene		< 0.29	ug/l	0.29		1	8260B		5/15/2017	TCC	i l
p-Isopropyltoluene		< 0.28	ug/l	0.28		1	8260B	•	5/15/2017	TCC	ı
Methylene chloride		< 0.94	ug/į	0.94		1	8260B		5/15/2017	TCC	1 1
Methyl tert-butyl ethe	r (MTBE)	< 0.82	ug/l	0.82		1	8260B		5/15/2017	TCC TCC	i
Naphthalene		< 2.17	ug/[	2.17		1	8260B		5/15/2017		1
n-Propylbenzene		< 0.19	ug/l	0.19		1	8260B		5/15/2017	TCC	ı l
1,1,2,2-Tetrachloroeth	nane	< 0.69	ug/l	0.69		1	8260B		5/15/2017	TCC	1
1,1,1,2-Tetrachloroeth	nane	< 0.47	ug/l	0.47		1	8260B		5/15/2017	TCC	
Tetrachloroethene		< 0.48	ug/l	0.48		1	8260B		5/15/2017	TCC	İ
Toluene		< 0.67	ug/l	0.67		1	8260B		5/15/2017	TCC	1
1,2,4-Trichlorobenzer	ne	< 1.29	ug/l	1.29		l	8260B		5/15/2017	TCC	•
1.2.3-Trichlorobenzer		< 0.83	ug/l	0.83		1	8260B		5/15/2017	TCC	1
1.1.1-Trichloroethane		< 0.35	ug/l	0.35	1.11	i	8260B		5/15/2017	TCC	1
****											

Project Name AUTO REPAIR ON VLIET

Project #

Lab Code5032907CSample IDMW-3Sample MatrixWaterSample Date5/10/2017

Invoice # E32907

•										
	Result	Unit	LOD L	OQ Di	ł	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	i
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		5/15/2017	TCC	i
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	Ī	8260B		5/15/2017	TCC	i
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	ì
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 - 1,2-Dichloroethane-d4	108	REC %			1	8260B		5/15/2017	TCC	i
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		5/15/2017	TCC	i
SUR - Dibromofluoromethane	96	REC %			1	8260B		5/15/2017	TCC	ī
SUR - Toluene-d8	106	REC %			1	8260B		5/15/2017	TCC	i

Project Name

AUTO REPAIR ON VLIET

Project #

Lab Code

5032907D

Sample ID MW-2

Sample Matrix Water Sample Date 5/10/2017

Sample Date 3/10/2017	Result	Unit	LOD	LOQ 1	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic	***************************************									
Metals										
	< 4.5	ug/L	4.5	15	5	7421		5/18/2017	CWT	149
Lead, Dissolved	~ 4.3	ugL	7.5	• •		,				
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/ſ	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	ŀ	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	5 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/i	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
l-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	5/17/2017	5/18/2017	NJC	İ
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	]	M8270C	5/17/2017	5/18/2017	NJC	1
Phenanthrene	< 0.025	ug/i	0.025	0.081	ŧ	M8270C	5/17/2017	5/18/2017	NJC	i
Pyrene	< 0.02	ug/l	0.02	0.063	1	M8270C	5/17/2017	5/18/2017	NJC	1
-	****	Ç								
VOC's	< 0.17	ug/l	0.17	0.55	1	8260B		5/15/2017	TCC	ì
Benzene	< 0.17	ug/i ug/l	0.17	1.37		8260B		5/15/2017	TCC	1
Bromobenzene	< 0.43 < 0.31	ug/l	0.43	1.57		8260B		5/15/2017	TCC	1
Bromodichloromethane		_	0.49	1.56		8260B		5/15/2017	TCC	1
Bromoform	< 0.49	ug/l ug/l	0.49	1.23		8260B		5/15/2017	TCC	1
tert-Butylbenzene	< 0.39 < 0.24	ug/l	0.24	0.76		8260B		5/15/2017	TCC	1
sec-Butylbenzene		ug/l ug/l	0.24	1.08		8260B		5/15/2017	TCC	1
n-Butylbenzene	< 0.34 < 0.21	ug/l	0.21	0.68		8260B		5/15/2017	TCC	1
Carbon Tetrachloride	< 0.27	ug/i ug/i	0.27	0.86		8260B		5/15/2017	TCC	1
Chlorobenzene	< 0.5	ug/i ug/l	0.27	9.0		8260B		5/15/2017	TCC	1
Chloroethane	< 0.96	ug/l	0.96	3.04		8260B		5/15/2017	TCC	í
Chloroform	< 1.3	ug/l	1.3	4.15		8260B		5/15/2017	TCC	1
Chloromethane	< 0.36	ug/i ug/l	0.36	1.15		8260B		5/15/2017	TCC	I
2-Chlorotoluene	< 0.35	ug/i	0.35	1.11		8260B		5/15/2017	TCC	f
4-Chlorotoluene	< 1.88	ug/l	1.88	5.98		8260B		5/15/2017	TCC	1
1,2-Dibromo-3-chloropropane	< 0.45	ug/l	0.45	1.44		8260B		5/15/2017	TCC	l
Dibromochloromethane	< 0.43	ug/i ug/i	0.43	1.34		8260B		5/15/2017	TCC	1
1,4-Dichlorobenzene		ug/i ug/l	0.42	1.43		8260B		5/15/2017	TCC	]
1,3-Dichlorobenzene	< 0.45 < 0.34	ug/l	0.43	1.09		8260B		5/15/2017	TCC	í
1,2-Dichlorobenzene		ug/l	0.38	1.0		8260B		5/15/2017	TCC	1
Dichlorodifluoromethane	< 0.38 < 0.45	ug/i ug/l	0.35	1.43		8260B		5/15/2017	TCC	1
1,2-Dichloroethane		-	0.43	1.34		8260B		5/15/2017	TCC	ŀ
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.47		8260B		5/15/2017	TCC	1
1,1-Dichloroethene	< 0.46	ug/l	0.40	1.47		8260B		5/15/2017	TCC	i
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.12		8260B		5/15/2017	TCC	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.33	1.12		8260B		5/15/2017	TCC	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.55		8260B		5/15/2017	TCC	i
1,3~Dichloropropane	< 0.49	ug/i	V.43	1.33		0200D			•	

Project Name AUTO REPAIR ON VLIET

Project #

Lab Code

5032907D

Sample ID MW-2 Sample Matrix Water

Sample Date 5/10/2017

Sample Date 3/10/2017	~	T1 14	T OD I	00 ni	r	Method	Evt Date	Run Date	Analyst	Code
	Result	Unit	LOD I				Ext Date	5/15/2017	TCC	Code
trans-1,3-Dichloropropene	< 0.42	ид/	0.42	1.33	I	8260B		5/15/2017	TCC	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	I	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	l	8260B			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	l	8260B			TCC	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		5/15/2017	TCC	
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		1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	İ	8260B		5/15/2017	TCC	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		5/15/2017	TCC	
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	Ĭ	8260B		5/15/2017	TCC	[
I,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	]	8260B		5/15/2017	TCC	,
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	I	8260B		5/15/2017	TCC	[
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		5/15/2017	TCC	
Toluene	< 0.67	ug/l	0.67	2.13	ì	8260B		5/15/2017	TCC	l .
1.2.4-Trichlorobenzene	< 1.29	ug/J	1.29	4.1	1	8260B		5/15/2017	TCC	l .
1.2.3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	f	8260B		5/15/2017	TCC	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		5/15/2017	TCC	l
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	ì	8260B		5/15/2017	TCC	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		5/15/2017	TCC	l .
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	ĺ	8260B		5/15/2017	TCC	
1.2.4-Trimethylbenzene	< 1.14	ug/l	1.[4	3.63	I	8260B		5/15/2017	TCC	l .
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	ŀ	8260B		5/15/2017	TCC	!
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		5/15/2017	TCC	l
m&p-Xylene	< 1.56	ug/l	1.56	4.95	ł	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	105	REC %			İ	8260B		5/15/2017	TCC	į.
SUR - Dibromofluoromethane	98	REC %			1	8260B		5/15/2017	TCC	l
SUR - 4-Bromofluorobenzene	100	REC %			ŧ	8260B		5/15/2017	TCC	I
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		5/15/2017	TCC	1

Project Name AUTO REPAIR ON VLIET

Project #

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

<b>Sample Date</b> - 5/11/2017	Result	Unit	LOD L	OQ D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals									*****	
Lead, Dissolved	25.9	ug/L	4.5	15	5	7421		5/18/2017	CWT	1 49
Organic										
_										
PAH SIM	0.17		0.16	0.5	10	M8270C	5/17/2017	5/18/2017	NJC	1
Acenaphthene	< 0.16	ug/l	0.10	0.5	10	M8270C	5/17/2017	5/18/2017	NJC	Ī
Acenaphthylene	< 0.19	ug/l	0.19	0.61		M8270C M8270C	5/17/2017	5/18/2017	NJC	ì
Anthracene	< 0.19 < 0.17	ug/l	0.17	0.54	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(a)anthracene		ug/l ug/l	0.17	0.65	10	M8270C	. 5/17/2017	5/18/2017	NJC	1
Benzo(a)pyrene	< 0.2 < 0.18	ug/l	0.18	0.58	10	M8270C	5/17/2017	5/18/2017	NJC	i
Benzo(b)fluoranthene	< 0.16	ug/l	0.16	0.81	10	M8270C	5/17/2017	5/18/2017	NJC	1
Benzo(g,h,i)perylene	< 0.16	ug/l	0.16	0.5	10	M8270C	5/17/2017	5/18/2017	NJC	J
Benzo(k)fluoranthene	< 0.10	ug/l	0.10	0.65	10	M8270C	5/17/2017	5/18/2017	NJC	t
Chrysene	< 0.25	ug/l	0.25	0.78		M8270C	5/17/2017	5/18/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.17	ug/l	0.17	0.53	10	M8270C	5/17/2017	5/18/2017	NJC	i
Fluoranthene	< 0.17	ug/l	0.21	0.66	10	M8270C	5/17/2017	5/18/2017	NJC	1
Fluorene	< 0.23	ug/l	0.23	0.74	10	M8270C	5/17/2017	5/18/2017	NJC	i
Indeno(1,2,3-cd)pyrene	4.80	ug/l	0.24	0.76	10	M8270C	5/17/2017	5/18/2017	NJC	1
l-Methyl naphthalene 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	l
Phenanthrene	< 0.25	ug/l	0.25	18.0	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	Ī
VOC's	•	Ç								
	5100	ug/l	8.5	27.5	50	8260B		5/16/2017	TCC	ĺ
Benzene	< 21.5	ug/l	21.5	68.5	50	8260B		5/16/2017	TCC	ı
Bromobenzene	< 15.5	ug/l	15.5	50	50	8260B		5/16/2017	TCC	į
Bromodichloromethane	< 24.5	ug/l	24.5	78	50	8260B		5/16/2017	TCC	1
Bromoform	< 19.5	ug/l	19.5	61.5	50	8260B		5/16/2017	TCC	1
tert-Butylbenzene 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	l
Carbon Tetrachloride	< 10.5	ug/l	10.5	34	50	8260B		5/16/2017	TCC	l
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	i
Chloroform	< 48	ug/l	48	152	50	8260B		5/16/2017	TCC	I.
Chloromethane	213	ug/l	65	207.5	50	8260B		5/16/2017	TCC	į
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	] [
1,4-Dichlorobenzene	< 21	ug/l	21	67	50	8260B		5/16/2017	TCC TCC	1
1,3-Dichlorobenzene	< 22.5	ug/l	22.5	71.5	50	8260B		5/16/2017	TCC	i
1,2-Dichlorobenzene	< 17	ug/l	17	54.5	50	8260B	•	5/16/2017	TCC	ì
Dichlorodifluoromethane	< 19	ug/l	19	60	50	8260B		5/16/2017 5/16/2017	TCC	i
1,2-Dichloroethane	< 22.5	ug/i	22.5	71.5	50	8260B		5/16/2017	TCC	i
1,1-Dichloroethane	< 21	· ug/l	21	67	50	8260B		5/16/2017	TCC	i
1,1-Dichloroethene	< 23	ug/l	23	73.5	50	8260B 8260B		5/16/2017	TCC	1
cis-1,2-Dichloroethene	< 20.5	ug/l	20.5	64.5	50 50	8260B		5/16/2017	TCC	į
trans-1,2-Dichloroethene	< 17.5	ug/l	17.5	56	50 50	8260B 8260B		5/16/2017	TCC	i
1,2-Dichloropropane	< 19.5	ug/l	19.5 24.5	62 77.5	50	8260B 8260B		5/16/2017	TCC	í
1,3-Dichloropropane	< 24.5	ug/l	24.3	11.5	50	0200D		0,,0,2017		

Project Name AUTO REPAIR ON VLIET Project #

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

Sample Date 5/11/2017							n . n .	n D	A In 4	Cada
	Result	Unit	LOD I	.OQ D	iľ	Method	Ext Date	Run Date		Code
trans-1,3-Dichloropropene	< 2 i	ug/l	21	66.5	50	8260B		5/16/2017	TCC	1
cis-1,3-Dichloropropene	< 10.5	ug/l	10.5	32.5	50	8260B		5/16/2017	TCC	į.
Di-isopropyl ether	< 13	ug/l	13	41.5	50	8260B		5/16/2017	TCC	1
EDB (1,2-Dibromoethane)	< 17	ug/l	17	54.5	50	8260B		5/16/2017	TCC	1
Ethylbenzene	610	ug/l	10	31.5	50	8260B		5/16/2017	TCC	1
Hexachlorobutadiene	< 73.5	ng/l	73.5	234	50	8260B		5/16/2017	TCC	i
Isopropylbenzene	47	ug/f	14.5	46.5	50	8260B		5/16/2017	TCC	1
p-lsopropyltoluene	< 14	ug/l	14	45.5	50	8260B		5/16/2017	TCC	i
Methylene chloride	< 47	ug/l	47	149	50	8260B		5/16/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 41	ug/l	41	130	50	8260B		5/16/2017	TCC	
Naphthalene	146 "J"	ug/f	108.5	345	50	8260B		5/16/2017	TCC	!
n-Propylbenzene	51	ug/l	9.5	31	50	8260B		5/16/2017	TCC	1
1,1,2,2-Tetrachloroethane	< 34.5	ug/l	34.5	110.5	50	8260B		5/16/2017	TCC	1
1,1,1,2-Tetrachloroethane	< 23.5	ug/l	23.5	74	50	8260B		5/16/2017	TCC	1
Tetrachloroethene	< 24	ug/l	24	76	50	8260B		5/16/2017	TCC	į.
Toluene	6400	ug/l	33.5	106.5	50	8260B		5/16/2017	TCC	1
1,2,4-Trichlorobenzene	< 64.5	ug/l	64.5	205	50	8260B		5/16/2017	TCC	1
1,2,3-Trichlorobenzene	< 41.5	ug/l	41.5	131.5	50	8260B		5/16/2017	TCC	1
1,1,1-Trichloroethane	< 17.5	ug/l	17.5	55.5	50	8260B		5/16/2017	TCC	t 1
1,1,2-Trichloroethane	< 32.5	ug/l	32.5	103	50	8260B		5/16/2017	TCC	1
Trichloroethene (TCE)	< 22.5	ug/l	22.5	71.5	50	8260B		5/16/2017	TCC	7
Trichlorofluoromethane	< 32	ug/l	32	102	50	8260B		5/16/2017	TCC	1
I,2,4-Trimethylbenzene	360	ug/l	57	181.5	50	8260B		5/16/2017	TCC TCC	1
1,3,5-Trimethylbenzene	10 "J"	ug/l	45.5	145	50	8260B		5/16/2017	TCC	1
Vinyl Chloride	< 9.5	ug/i	9.5	31	50	8260B		5/16/2017	TCC	7
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	TCC	1
SUR - 1,2-Dichloroethane-d4	104	REC %			50	8260B			TCC	1
SUR - 4-Bromofluorobenzene	100	REC %			50	8260B		5/16/2017	TCC	,
SUR - Dibromofluoromethane	97	REC %			50	8260B		5/16/2017 5/16/2017	TCC	ı
SUR - Toluene-d8	107	REC %			50	8260B		3/10/2017	ICC	,

Project Name AUTO REPAIR ON VLIET

Project #

Lab Code

5032907F

TB Sample ID Sample Matrix Water Sample Date 5/11/20

5/11/2017

VOC's   Senzen	Sample Date 5/11/2017	5 t	F 7 74	100.14	oo ba	Method	Evt Date	Run Date	Analyst	Code
Benzene		Result	Unit	LOD L	ווע טט	Menion	Ext Date	Kun Date	/ tildij st	0040
Benzene	Organic									
Benzene										
Bromobenzene		< 0.17	ug/l	0.17	0.55	8260B				•
Bromodichloromethane			~	0.43	1.37 f	8260B		5/15/2017		-
Bromoform			~	0.31	1 1	8260B				•
tert-Burybenzene				0.49	1.56 1	8260B				•
Sec. Butylbenzene				0.39	1.23 [	8260B				-
N-But/benzene			ug/l	0.24	0.76 1	8260B				-
Carbon Fetrachloride				0.34	1.08 1	8260B				•
Chlorobenzene	•			0.21	0.68 I	8260B				
Chloroethane				0.27	0.86 1	8260B				-
Chloroform				0.5	1.6	8260B				
Chloromethane				0.96	3.04 1	8260B				
2-Chlorotoluene				1.3	4.15	8260B				-
4-Chlorotoluene				0.36	1.15 1	8260B			-	
1.2-Dibromo-3-chloropropane				0.35	1.11	8260B				
Dibromochloromethane				1.88	5.98 1	8260B				•
1,4-Dichlorobenzene			-	0.45	1.44 1	8260B				
1,3-Dichlorobenzene				0.42	1.34	8260B				-
1,2-Dichlorobenzene				0.45	1.43 1	8260B				-
Dichlorodifluoromethane	*			0.34	1.09	8260B				
1,2-Dichloroethane				0.38	1.2 I	8260B				
1,1-Dichloroethane		< 0.45		0.45	1.43	8260B				-
1,1-Dichloroethene			_	0.42	1.34 1	8260B				
Cis-I,2-Dichloroethene	,			0.46	1.47 I	8260B				
trans-1,2-Dichloroethene	•	< 0.41		0.41						•
1,2-Dichloropropane		< 0.35	ug/l	0.35	1.12 1					
1,3-Dichloropropane		< 0.39	ug/l	0.39	1.24 l					
trans-1,3-Dichloropropene		< 0.49	ug/l	0.49						•
cis-1,3-Dichloropropene         < 0.21         ug/l         0.21         0.65         1         8260B         3/13/2017         TCC         1           Di-isopropyl ether         < 0.26		< 0.42	ug/l	0.42						-
Di-isopropyl ether	• •	< 0.21	ug/l	0.21						
EDB (1,2-Dibromoethane)		< 0.26	ug/l		0.02					
Ethylbenzene		< 0.34	ug/l							
Hexachlorobutadiene		< 0.2	ug/l	0.2						-
Isopropylbenzene		< 1.47	ug/l							
p-Isopropyltoluene		< 0.29	ug/l							•
Methylene chloride         1.3 "J"         ug/l         0.94         2.98 l         8260B         3/13/2017 loc         1 CC         1 Methyl tert-butyl ether (MTBE)         < 0.82 ug/l         0.82 ug/l         0.82 loc         1 8260B         5/15/2017 loc         1 CC         1 Methyl tert-butyl ether (MTBE)         < 0.82 ug/l         0.82 ug/l         2.6 loc         1 8260B         5/15/2017 loc         1 loc		< 0.28								-
Methyl tert-butyl ether (MTBE)         < 0.82         ug/l         0.82         2.0         1         3260B         5/15/2017         TCC         1           Naphthalene         < 2.17		1.3 "J"	_						-	•
Naphthalene         < 2.17         ug/l         2.17         6.9         1         \$260B         3/13/2017         TCC         1           n-Propylbenzene         < 0.19		< 0.82								-
n-Propylbenzene         < 0.19         ug/l         0.19         0.62         l         8260B         3/13/2017         TCC         1           1,1,2,2-Tetrachloroethane         < 0.69	-									
1,1,2,2-Tetrachloroethane       < 0.09										-
1,1,1,2-Tetrachloroethane     < 0.47	1.1.2.2-Tetrachioroethane	< 0.69								
Tetrachloroethene < 0.48 ug/l 0.48 1.52   8260B 3/13/2017 TCC 1 Toluene < 0.67 ug/l 0.67 2.13   8260B 5/15/2017 TCC 1		< 0.47							-	-
Toluene Q.07 ug/1 0.07 2.13 1 d2002										
	Toluene		-							1
1.2.4-Trichlorobenzene <1.29 ug/l 1.29 4.1 l 82005	1,2,4-Trichlorobenzene									-
1.2.3-Trichlorobenzene < 0.83 ug/l 0.83 2.63 l 8260B										
1,1,1-Trichloroethane < 0.35 ug/ 0.35 1.11 0.2000	1,1,1-Trichtoroethane		-							
1,1,2-Trichloroethane (0.03 ug) 0.03 2.00 5.00 5.05 TCC	1,1,2-Trichloroethane		_							
Trichloroethene (TCE) < 0.45 ug/l 0.45 1.43 l 8260B 3/13/2017 TCC l			-		- 1 1 5					
Trichlorofluoromethane <0.64 ug/ 0.64 2.04 i ozoob	Trichlorofluoromethane									
1,2,4-Trimethylbenzene <1.14 ug/l 1.14 3.63 l 8260B 5/15/2017 TCC 1	1,2,4-Trimethylbenzene	< 1.14	ug/i	1.14	3.63 t	6Z0UB		2/12/2017	100	•

Project Name AUTO REPAIR ON VLIET Invoice # E32907

Project #

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

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

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

Code Comment

1 Laboratory QC within limits.
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

# CHAIN OF JSTODY RECORD

Quote No.:

Lab I.D. #

Project #:

Account No. :

Sampler: (signature)



Chain # N2 311

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Page		ďΤ	₹.
~ 51~	***************************************	φ,	

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)

X Normal Turn Around

Project (Name / Location	on): Auto	Zer	ur	G <sub>1</sub>	$VL_1$	£					F	Analy	/sis	Req	ues	ted						Oth	er Ana	alysis	.
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City State Zip 844	gside, Wi	532	217	City	State Z	ip La c	Crosse L	21 546	03	Sep 95)	Sep 9	<b>3</b>	madan v pre					<u>a</u> (	(3)						
Phone (4/4)-	736 - 1495	-		Pho	ne ((	608)	781 - 88	79	Addressing y Mildelessen op grey y y Mild I shappen seemen h	DRO S	30.5	Solud)		ę	Contractor of the Contractor o	ŝ ₹			A 54	ALS					
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LabiliD:	Sample I.D.	ļ	ction Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Me	GRO (MC	LEAD(D'SSOLM	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021) PVOC + NAPHTHALENE	SULFATI	TOTAL SUSPENDED S	VOC DW	8-RCRA METALS	od Wywandalan		and the second of the second o	The state of the s	
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Charles House And Co.	China Magainth Company (1977)	<del> </del>	1			<u> </u>				<del>-</del>		+		<del>† -</del>					-	_		╅		_	<u> </u>
Comments/Special  *	linstructions (*3 Lab to U+ cretes Agent Si	Specify Sand a laters	ground a pdy	oc	"GW".	Drinking of r	Water "DW", v	Waste Water	"WW", Soil "S'	", Ai	ir "A" P	". Oil	, Slu Zna	dge	etc.	to	عر	16	700	رد	gara melleki. Aliyaki gaya adeleki	more designer a reason different	vingergellengings of the Ball	mangaphang ig remembra and	
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Site Investigation Report - METCO
Auto Repair on Viiet
APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

GROUNDWATER MONITORING WELL INFORMATION FORM Chapter 281 and 289, Wis, Stats. Form 4400-89 Rev. 7-98

Facility	Name			Facili	y ID Number	License	e, Perm	it or Monitorir	g No. Date			Comple	ted By (Name a	nd Firm)	***************************************					
	Repair on '	Vliet		3	41043340				6/	19/201	7		Jensen/METC							
WI	l	DNR		Dir.			Casing		tions		rence		Depths					1		
Unique Well No	Well Name	Well ID Number	Well Location	N S	Date Established	Diam.	Туре	Top of Well Casing	Ground Surface	MSL (√)	Site Datum	Screen Top	Initial Groundwater	Well Depth	Screen Length	Well Type				Distance to Waste
			303149.03	х																
VR630	MW-1		596477.2	X	2/6/2017	2	P	680.67	681.35	X		7	12.37	17	10	11/mw	A	X		
V.770. C.0.0			303074.2	X	-															
VR629	MW-2		596498.13 303149.87	X	2/6/2017	2	P	682.54	683.07	X		6	10.3	16	10	_11/mw	_A_	<b>-</b>	U	65
VR628	MW-3		596576.13	X	2/6/2017	2	P	682.35	682.79	X		7	10.5	17	10	11/mw	A		   <sub>*</sub> ,	88
			303255.68	х			<del></del>	0021.00	002.77	21			10.5	1/	10	11/IIIW	A		Ų	88
<u>VR627</u>	MW-4	<u> </u>	596486.41	х	2/6/2017	2	P	680.05	680.7	X		6	11.02	16	10	11/mw	Α		s	81
			303155.06	X	_															
VR626	MW-5		596398.52	X	2/6/2017	2	P	679.45	679.96	X		7	11.62	17	10	11/mw	A		D	66
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Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Pailure 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.

#### **SOIL BORING LOG INFORMATION**

Form 4400-122

			Route To	o: Watershed / Wastewa Remediation / Redevelopme		] was	te Mana	agemen Othe						_
Facility /	Drainat	Nome			Licon	se / Perm	nit / Mor	aitorina	Numbor		Pag	e 1		1 oring Number
-	•				Ficens	se / Pem	IIIL / IVIOI	ii(Omig	Number				DI	
Auto Rep Boring D			of crew o	hief (first, last) and Firm	Drillin	g Date S	tarted		Drilling	Date C	Complete	ed	D	G-1 rilling Method
-	t: Darrin	, , , , , ,		t: Prentice		02/06/20				02/06/20			_	-
			mples, LLC			IM/ DD/ Y				M /DD/ Y				Geoprobe
WI Unique	Well No.	DNR V	Vell ID No	. Well Name	Fir	al Static	Water	Level	;		Elevation		E	Borehole Diamete
											et MSL			2 inches
Local Gri State Plan		estim N,	ated X) or E	Boring Location	1 at 4'	3° 2 ' 54 " i	NI				Grid Loc N	ation E		
			9,T7N,R	22 E		87° 56′ 4					S Fee			
	acility IC		<u> </u>	County				ty Code			Civil To		y / V	/illage
34	104334	0		Milwaukee		_		41			City	of Milw	auke	ee
		mple		_				Soil I	ropertie	es		·		
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	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1	24		- 2	Concrete 0-2' Tan Sandy Silt	ML			4.6		DRY				No Petro Odor
(0-2 feet)	18			Refusal @ 2 feet bgs. Borehole abandoned.										
_		}	_24					]						
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#### SOIL BORING LOG INFORMATION

Form 4400-122

			Route To	):	Watershed / Wastewa Remediation / Redevelopm		Was	ite Mana	agement Other						
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Facility /						Licens	se / Perr	nit / Mor	nitoring l	Number				В	oring Number
Auto Rep			of crew.c	hief (first la	st) and Firm	Drillin	g Date S	Started		Drilling	Date C	omplete	ed.	Dr	G-2 illing Method
First	: Damin			t: Prentice	ory unto t ma		02/06/20 IM/ DD/ Y	17		C	02/06/20 A /DD/ Y	17		υ,	Geoprobe
Wi Unique	Well No.	DNR \	Vell ID No		Well Name		al Static		Level	5	Surface	Elevation	on	Е	Borehole Diameter
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State Plane SW 1/4 of S	е	N,	E	Boring Loca	ition		3° 2 ' 54 " 87° 56 ' 4				1	Grid Loc V S Feet	E		
	acility IE		5,1714,14		County	Long	01_30		ly Code			Civil Tov		// V	illage
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Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)		Soil / Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-2-1	24		_  -  -   2	Concrete 0-2' Sand, Gra	vel, & Concrete (Fill)	FILL			850		DRY				Petro Odor
(0-2 feet)	12			abandoned.	et bgs. EOB at 2 feet bgs. Borehole										
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#### SOIL BORING LOG INFORMATION

Form 4400-122

Firm:

**METCO** 

Rev. 7-98

			Route To	o: Watershed / Wastewate Remediation / Redevelopmen		-	ste Man	agemer Othe						_
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Facility /	Project	Name			Licer	ise / Per	mit / Mo	nitoring	Number				В	oring Number
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			mples, LLC Well ID No			uM/ DD/ \		1 evel		M /DD/ Y	Elevati	00		Borehole Diamete
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	acility II			County			Coun	ty Code			Civil To	wn / Cit	y/V	'illage
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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	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
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1			<u>}</u>	sample, no recovery after two days. Borehole abandoned.	ł	I	1	ĺ	1 1			[	Ιļ	
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Signature: Miller C 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.

#### SOIL BORING LOG INFORMATION

Form 4400-122 Re

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Auto Rep				1: 1/5 + 1 0 + 15:			<u>-</u>			_				G-4
	rnied By t: Damin	y: Nam		chief (first, last) and Firm st: Prentice	Drilli	ng Date 02/06/2		ď	Drill	ing Date		ted	Đ	rilling Method
		Soil & Si	amples, LLC			02/06/2 /MM/ DD				02/06/2 MM /DD/				Geoprobe
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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	Cia / Cia	Compressive	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
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G-4-2	48		ļ				1	5	ľ	м		}		No Petro Odor
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			-	EOB at 14 feet. Groundwater sample G-4-W collected at 9-14 feet. Borehole abandoned.		ļ								
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#### SOIL BORING LOG INFORMATION

Form 4400-122

			Route To	<ul> <li>Watershed / Wastewate</li> <li>Remediation / Redevelopment</li> </ul>		→ Was	ste Manag	ement Other						
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Facility /	-				Licen	se / Perr	nit / Moni	toring N	Vumber				Во	oring Number
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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	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
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G-5-3 (8-12 feet)	48 48		_ 10 					1.3		M/W				No Petro Odor
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#### SOIL BORING LOG INFORMATION

Form 4400-122

			Route To	o: Watershed / Wastewate Remediation / Redevelopmer	- حادث	┱ Was	te Mana	agemeni Other						
				Nemediation / Nedevelopmen		<b></b>					Page	e 1		T1
Facility /	Project	Name			Licen	se / Perm	nit / Mor	nitoring i	Number				В	oring Number
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	rilled By : Damin	: Name		hief (first, last) and Firm t: Prentice	Drillin	g Date S 02/06/20				Date C	omplete	ed	Dr	rilling Method
		ioii & Sa	Lası mples, LLC		I.	02/06/20 1M/ DD/ Y				<i>J2I</i> 00/20 И /DD/ Y				Geoprobe
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Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	SOSA	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-6-1 (0-4 feet) G-6-2 (4-8 feet) G-6-3 (8-12 feet)	48 36 48 36 48 48 48			Concrete  0-4' Tan Sandy Silt/Clay  4-8' Tan to Grey Silty Sand  8-16' Gray Sandy Silt/Clay  ECB at 16 feet. Groundwaler sample G-6-W collected at 11-16 feet. Borehole abandoned.	CL SM			1.1 734 275		M				No Petro Odor  Petro Odor (6-8 feet)  Petro Odor
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#### SOIL BORING LOG INFORMATION

Form 4400-122

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

Firm:

**METCO** 

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

Signature: Walle

Signature:

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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Facility /			•			Lice	nse / Per	mit / Ma	nitoring	Number	•			В	oring Number
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			ne of c		chief (first; last) and Firm	Drilli	ng Date				Date (	-	ed	D	rilling Method
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SW 1/4 of 5			19,T	7 N, F		Long	87° 56 '					S Fee			
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		mple							Soil	Propertie	es	,	٠,		
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	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-9-1 (0-4 feet)	48 48		2		Concrete  0.4' Tan Silty Sand	SM			5.2		м		111111111111111111111111111111111111111		No Petro Odor
G-9-2 (4-8 feet)	48 48		6 - 8		4-8' Grey Sandy Silt/Clay	CL			35		м				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 2-16 feet)	48 48		16		12-16' Grey Sandy Silty/Clay  EOB at 16 feet. Groundwater sample G-9-W collected at 11-16 feet. Borehole abandoned.	CL			56		W			F	Petro Odor
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Firm:

**METCO** 

#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98 Watershed / Wastewater: Route To: Waste Management: Remediation / Redevelopment: Other: Page of 1 Facility / Project Name License / Permit / Monitoring Number Boring Number Auto Repair on Viiet G-10 Boring Drilled By: Name of crew chief (first, last) and Firm Drilling Date Started Drilling Date Completed Drilling Method 02/06/2017 Last: Prentice 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 Borehole Diameter Surface Elevation 672.7 feet MSL 685 feet MSL 2 inches Local Grid Origin (estimated X) or Boring Location Local Grid Location Lat 43° 2 ' 54 " N State Plane N. N F Feet S Feet W SW 1/4 of SW 1/4 of Section 19, T 7 N, R 22 E Long 87° 56 ' 42 " W Facility ID County County Code Civif Town / City / Village 341043340 Milwaukee City of Milwaukee Sample Soil Properties Depth in Feet (below ground surface) Yumber & Type ≈Œ Diagram Blow Counts Compressive Strength Length Att. 8 Recovered () Liquid Limit Moisture Content Soil / Rock Description uscs PID / FID Graphic And Geologic Origin Plasticity RQD / Comments For Each Major Unit Well 0-4' Tan Sandy Silt/Clay CL G-10-1 48 48 136 Slight Petro Odor М (0-4 feet) 4-8' Tan Silty Sand SM G-10-2 7.2 М No Petro Odor (4-8 feet) \_10 8-12' Tan to Grey Silty Sand SM G-10-3 48 5.1 MW No Petro Odor (8-12 feet) 12 12-16' Tan Silty Sand SM G-10-4 \_16 4.4 W No Petro Odor EOB at 16 feet. Groundwater sample G-10-W collected (12-16 feet) at 11-16 feet. Borehole abandoned \_18 20 22

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

Signature:

Firm:

**METCO** 

Form 4400-122 Rev. 7-98

			Route To		Watershed / Waste Remediation / Redevelor			ste Mana	igement Other						
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Facility /						Lice	nse / Per	mit / Mor	iltoring i	Number				В	oring Number
First	rilled By t: Darrin	y: Name		 thief (first, last t: Prentice	) and Firm		ng Date \$ 02/06/20 MM/ DD/ \	)17		C	Date C 02/06/20 1/DD/ Y		ed	Dr	G-11 rilling Method Geoprobe
			Well ID No		Well Name		inal Statio		Level			Elevation	on	F	Borehole Diameter
							672.6	feet MSI	-			et MSL			2 inches
State Plan	e	N,	ated X) or E 9, T7N, R	Boring Locati	on		43° 2 ' 54 " 87° 56 '				١	Grid Loc N S Fee	Ε		
	acility IE				County				y Code			Civil To		// V	ïllage
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0)		mple	1	·		<u>i</u>		1	Soil F	ropertie	s	Τ	T	_	Γ
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	/	oil / Rock Description And Geologic Origin For Each Major Unit	0808	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-11-1 (0-4 feet)	48 24		- 2 - 2 - 4						4.2		Μ				Na Petro Odor
G-11-2 (4-8 feet)	48 48		10	0-14' Tan Silly Sa	nd	SM			4.0		M				No Petro Odor
G-11-3 (8-12 feet)	48 48		12  			<b>V</b>			4.1		w				Vo Petro Odor
G-11-4 12-14 feet)	24 24		14	EOB at 14 feet. Gi at 9-14 feet. Boref	oundwater sample G-11-W colle ole abandoned.	ected			3.0		W				No Petro Odor
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gnature: 🏒	111.	1-1		11/1					F	irm:	MET	CO			

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.

Signature:

#### SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

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Facility /			e			Licen	se / Pern	nit / Mo	nitoring	Number				В	oring Number
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			Samples,			M	02/00/20 1M/ DD/ Y				02/06/20 M /DD/ Y				Geoprobe
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State Plan		N,	E		22.5		3° 2 ' 54 " i					۷ -	E		
SW ¼ of S	acility I		n 18, 17	N, K	County	Long	87° 56 ′ 4		ty Code			S Fee Civil To	wn / Cit	v/N	fillage
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		mple			- IMMAGROO					Propertie	es	City	OI WHIW	auk	36
,pe	& (£	ي ي	to To	!			T 53	ε					×	Τ	
Number & Type	로				Soil / Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-12-1 (0-4 feet) G-12-2 (4-8 feet)	48 24 48 48 48		- 2 - 4 - 6 		0-4' Tan Sandy Sill/Clay  4-8' Tan Silty Sand  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 SM			3.0		M				Na Petro Odor
			24		n this form is true and correct to the hest of			į							

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.

Firm:

**METCO** 

o: Watershed / Wastewat	er:	18/-								
Description / Description is a con-		T Was	ste Man	agemer						
Remediation / Redevelopme	nt: X	j		Othe	:r:		Pac	re 1	of	<i>[</i> 1
	Licen	se / Per	mit / Mo	nitoring	Number	7				oring Number
										G-13
•	Drillin	-						teđ	D	rilling Method
	M									Geoprobe
. Well Name	Fir	nal Statio	Water	Level		Surface	Elevati	ion	I	Borehole Diameter
Poring Logotian		674.4	feet MS	L						2 inches
Borning Location	Lat 4	3° 2 ' 54 "	N							
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Milwaukee		•			- Propertie	20	City	of Milw	auke	e
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Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Lo	Well Diagra	PID / FID	Compressiv Strength	Moisture Content	Liquid Limit	lasticity Inde	P 200	RQD / Comments
8-12' Tan to Grey Silty Sand  Silty Sand  EOB at 12 feet bgs. Groundwater sample G-13-W	SM SM			2.7		M				No Petro Odor
	Boring Location  22 E  County  Milwaukee  Soil / Rock Description And Geologic Origin	hief (first, last) and Firm  t: Prentice  Well Name  Boring Location  Lat 4: Long  County, Milwaukee  Soil / Rock Description And Geologic Origin For Each Major Unit  0-8' Tan Silty Sand  SM  SM  SM  COB at 12 feet bgs. Groundwater sample G-13-W	hief (first, last) and Firm  the Prentice  O2/06/20  MM DD/  Well Name  Final Static  674.4  Boring Location  Lat 43° 2 '54° Long 87° 56'  County  Milwaukee  Soil / Rock Description And Geologic Origin For Each Major Unit  O8/ O8/ Tan Silty Sand  SM  B-12' Tan to Grey Silty Sand  SM  COB at 12 feet bgs. Groundwater sample G-13-W	hief (first, last) and Firm  t: Prentice  Drilling Date Started  02/06/2017  MM DD/ YYYY  Final Static Water  674.4 feet MS  Boring Location  Lat 43° 2 '54 ' N  Long 87° 56' 42 ' W  County  Milwaukee  Soil / Rock Description And Geologic Origin For Each Major Unit  8-12' Tan to Grey Silty Sand  SM  SM  SM  SM  SM  SM  SM  SM  SM  S	License / Permit / Monitoring  hief (first, last) and Firm  the Prentice  O2/06/2017  MW DD/ YYYY  Final Static Water Level  674.4 feet MSL  Boring Location  Lat 43° 2′ 54 ° N  Long 87° 56′ 42 ° W  County	License / Permit / Monitoring Number  hief (first, last) and Firm the Prentice  Drilling Date Started 02/06/2017 MM DD/ YYYY MY  Well Name Final Static Water Level 674.4 feet MSL  Boring Location  Lat 43° 2 '54 'N Long 87° 56' 42 'W  County County Code Milwaukee  41  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description And Geologic Origin For Each Major Unit  Soil / Rock Description	License / Permit / Monitoring Number  hief (first, last) and Firm  the Prentice  Drilling Date Started 02/06/2017 02/06/20 MM/ DD/ YYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYYYY  MM/ DD/ YYY	License / Permit / Monitoring Number  License / Permit / Monitoring Number  Drilling Date Started 02/06/2017 02/06/2017 MM / DD/ YYYYY  Well Name Final Static Water Level Surface Elevation 674.4 feet MSL 685 feet MSL 685 feet MSL Cocal Grid L	License / Permit / Monitoring Number    Discense   Permit   Monitoring Number	Page 1 of   License / Permit / Monitoring Number   Brown   B

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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Form 4400-122 Rev. 7-98

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Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description	S C	Graphic Log	Well Diagram	PID / FID	Compressive Strength	ture	Liquid Limit	Plasticity Index	8	
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			10	8-12' Tan Silly Sand	SM	,								
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G-14-3 (8-12 feet)	48 42		12 	EOB at 12 feet bgs. Groundwater sample G-14-W collected at 7-12 feet. Borehole abandoned.				1.4		w				No Petro Odor
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METCO

Firm:

Form 4400-122

Rev. 7-98

		Route To: Watershed / Wastewater: Waste Management:  Remediation / Redevelopment: X Other:														
											Pag	e 1	of			
Facility /	Project	Name			Licen	se / Pern	nit / Mon	itoring	Number				В	oring Number		
Auto Rep														G-15		
First	: Darrin			chief (first, last) and Firm st: Prentice :		Drilling Date Started 02/07/2017 MM/ DD/ YYYY					Complete 17 YYY	Drilling Method Geoprobe				
WI Unique	Well No.	DNR	Well ID No	o. Well Name	Fir	nal Static	Water L	evel	Surface Elevation					Borehole Diameter		
						669.5 f	eet MSL		685 feet MSL					2 inches		
				Boring Location							Grid Loc					
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		mple		· · · · · · · · · · · · · · · · · · ·					ropertie	es	Oity	O1 14111446	aurce			
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soit / Rock Description And Geologic Origin For Each Major Unit	nscs	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments		
G-15-1 (0-4 feet)	48 24		- - - - - - - - - - - - - -	Asphalt  0-4' Tan Very Fine to Fine Grained Sand  4-6' Tan Silty Sand	SP			1.9		M				No Petro Odor		
G-15-2 (4-8 feet)	48 36		6  8	6-8' Tan Sandy Silt/Clay	CL	1.3		1.9		М				No Petro Odor		
G-15-3 (8-12 feet)	48 48		10 	8-12' Tan to Grey Sandy Sill/Clay	CL			482		М			f	Petro Odor (11-12 feet)		
G-15-4 12-16 feet)	48 48		  16	12-16' Grey Sandy Silt  EOB at 16 feet. Groundwater sample G-15-W colle at 11-16 feet. Borehole abandoned.	ML			2.8		w			F	Petro Odor (12-14 feet)		
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Form 4400-122 Rev. 7-98

			Route I	o: Watershed / Wastew Remediation / Redevelops		■ Was	te Mana	agemen Othe						_		
Facility /	Project	Name	<del></del>	Licen	Page 1 of 1  License / Permit / Monitoring Number Boring Nu											
Auto Re					Licen	se / Feii	IIII 7 IVIOS	ikorary	Number				В	oring Number		
			e of crew o	chief (first, last) and Firm	Drillir	g Date S	tarted		Drilling	Date C	Complete	ed	G-16 Drilling Method			
	t: Darrin			st: Prentice		02/07/20	17		02/07/2017					Geoprobe		
Firm WI Unique		M/ DD/ Y nal Static		Lougl	MM /DD/ YYYY											
	WI Unique Well No. DNR Well ID No. Well Name						et MSL		Surface Elevation					Borehole Diameter		
Local Gri	id Origin	n (estim	ated X) or	r Boring Location	<del></del>	07016	CL MOL		685 feet MSL Local Grid Location					2 inches		
State Plan		Ν,	E			3° 2 ' 54 "				1	E					
	acility IE		19 , T 7 N, F	R 22 E County	Long	87" 56 ' 4		ly Code			S Feet		ity / Village			
	104334			Milwaukee				41		`			lwaukee			
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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	PID / FID	Compressive Strength	Moisture Content	Líquid Limít	Plasticity Index	P 200	RQD / Comments		
G-16-1 (0-4 feet) G-16-2 (4-8 feet) G-16-3 (8-12 feet)	48 24 48 36 48 48 48			0-4' Tan Very Fine to Fine Grained Sand 4-6' Tan Silty Sand 6-11' Tan Sandy Silt/Clay 11-12' Tan Silty Sand 12-16' Grey Silty Sand EOB at 16 feet. Groundwater sample G-16-W collect at 11-16 feet. Borehole abandoned.	SM SM			1.5		M			7.00	No Petro Odor No Petro Odor No Petro Odor		
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#### SOIL BORING LOG INFORMATION

Form 4400-122

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				Page									1 of 1				
Facility /	Project	Name			Licen	se / Perm	nit / Moni	toring l	Number				В	oring Number			
Auto Rep				hief (first, last) and Firm	D :10:	5 . 6			5.40	<u> </u>				G-17			
_	rilled By t: Darrin	e of crew c Las	Drillin	g Date St 02/07/201			Drilling Date Completed 02/07/2017					Drilling Method					
Firm: Geiss Soil & Samples, LLC						M/ DD/ YY			MM /DD/ YYYY					Geoprobe			
WI Unique	WI Unique Well No. DNR Well ID No. Well Name						Water Lo	evel	Surface Elevation					Borehole Diameter			
1. 10:	Local Grid Origin (estimated X) or Boring Location						et MSL				et MSL	2 inches					
State Plan		ı (esum N,	nated X) or E	Boring Location	Lat 4	3° 2 ' 54 " 1	N		Local Grid Location N E								
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Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	SOSA	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments			
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G-17-4	48		16		<del> </del>		1	66	j	w	<u> </u>			Petro Odor & Staining			
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#### SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route To:

Watershed / Wastewater: Waste Management: Remediation / Redevelopment: X Other:

Other:\_\_\_

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Facility / Project Name						License / Permit / Monitoring Number Boring Number									
Auto Re														MW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm					Drilli	ng Date	Started		Drilling Date Completed					rilling Method	
	st: Darrin			st: Prentice		02/07/2				02/07/20			_	•	
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			nated X) o						Local	Grid Lo	cation				
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	acility IE		19,17N,	Long	87° 56 '		-4-0-1-		Feet		et W				
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State of Wisconsin Department of Natural Resources

#### SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

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					Page 1 of 1									
Facility /	-				License / Permit / Monitoring Number							Вс	oring Number	
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	t: Damin			t: Prentice	D.1	02/07/20				02/07/20		Ju	0,	
			mples, LLC			M/ DD/ Y			MM /DD/ YYYY					Geoprobe/H.S.A.
		DNR V	Vell ID No		Fir	al Statio			;		Elevation		Е	Borehole Diameter
VR6		(optime	atad V) a-	MW-2 Boring Location		674.7	feet MS	<u>L</u>			et MSL Grid Loc			8.25 inches
State Plan	_	N,	E E	Borning Edication	Lat 43	3° 2 ′ 54 "	N				3110 E00	E		
SW 1/4 of S	W 1/4 of 5		9,T7N,R		Long 87° 56 ' 42 " W Feet S Feet W									
F	acility IE	)		County	County Code Civil Town / City / Village							illage		
34	104334			Milwaukee				41 -			City	of Milwa	iuke	е
		mple 	T = 7	T	$T^-$	1	Τ_	5011	ropertie	<u> </u>	<del></del>	×	$\Box$	
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	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-2-1 (0-4 feet) MW-2-2 (4-8 feet)	48 24 48 48		2	0-8' Tan Sifty Sand	SM		RM	1.1		M				Na Petro Odor No Petro Odor
MW-2-3 (8-12 feet)	48 48		10	8-12' Tan to Grey Sandy Sift	ML	1	CONSTRUCTION FORM	1.1		MW				No Petro Odor
MW-2-4 (12-16 feet)	48 48		14 - - - 16	12-15' Grey Silty Sand  15-16' Grey Sandy Silt  EOB at 16 feet. Installed monitoring well MW-4 to 16 feet bgs with a 10 foot screen.	ML		SEE WELL CO	1.2		w				No Petro Odor
hereby ce		the info	rmation o	n this form is true and correct to the best o	ı my kno	wieage			irm:	MET	TCO			

State of Wisconsin Department of Natural Resources

Signature: Multily

#### SOIL BORING LOG INFORMATION

METCO

Firm:

Form 4400-122

Rev. 7-98

Route To:

Watershed / Wastewater: W Remediation / Redevelopment: X

Waste Management:

Other: Page of 1 Facility / Project Name License / Permit / Monitoring Number Boring Number Auto Repair on Vliet MW-3 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/H.S.A. MM /DD/ YYYY Firm: Geiss Soil & Samples, LLC MM/ DD/ YYYY WI Unique Well No. DNR Well ID No. Well Name Final Static Water Level Surface Elevation Borehole Diameter VR628 MW-3 685 feet MSL 674.5 feet MSL 8.25 inches Local Grid Origin (estimated X) or Boring Location Local Grid Location State Plane N. F Lat 43° 2 ' 54 " N Ν SW 1/4 of SW 1/4 of Section 19, T 7 N, R 22 E Long 87° 56 ' 42 " W Feet S Feet W Facility ID County Civil Town / City / Village County Code 341043340 Milwaukee City of Milwaukee Sample Soil Properties Depth in Feet (below ground surface) Number & Type જ 🕃 Counts Diagram Compressive Strength Plasticity Index Graphic Log Length Att. Recovered ( Liquid Limit Soil / Rock Description PID / FID USCS Moisture Content And Geologic Origin For Each Major Unit RQD / Comments 0-4' Brown Sandy Silt/Clay CL MW-3-1 48 24 1.9 М No Petro Odor (0-4 feet) 4-8' Tan Silty Sand ŞМ MW-3-2 48 FORM 2.0 М No Petro Odor **EE WELL CONSTRUCTION** \_10 8-12' Tan Sandy Silt/Clay CL MW-3-3 \_12 1.9 MW No Petro Odor 48 (8-12 feet) 12-16' Tan to Grey Sandy Silt/Clay ÇL \_16 2.1 W No Petro Odo (12-16 feet) 48 EOB at 17 feet. Installed monitoring well MW-3 to 17 feet bgs with a 10 foot screen. .18 20 22 I hereby certify that the information on this form is true and correct to the best of my knowledge

#### SOIL BORING LOG INFORMATION

Form 4400-122

Rev 7-98

Route To: Watershed / Wastewater: Waste Management: Remediation / Redevelopment: Other: of 1 Facility / Project Name License / Permit / Monitoring Number Boring Number Auto Repair on Vliet MW-4 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/H.S.A. 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 MW-4 673.98 feet MSL 685 feet MSL 8.25 inches Local Grid Origin (estimated X) or Boring Location Local Grid Location Lat 43° 2'54 "N State Plane N, Ε N Long 87° 56 ' 42 " W SW 1/4 of SW 1/4 of Section 19, T 7 N, R 22 E Feet S Feet W Facility ID County County Code Civil Town / City / Village 341043340 City of Milwaukee Milwaukee Soil Properties Sample Depth in Feet (below ground surface) જ ≘ Diagram Plasticity Inde; Blow Counts Graphic Log Compressive Strength Liquíd Limit Length Att. Recovered ( USCS PID / FID Moisture Content Soil / Rock Description And Geologic Origin For Each Major Unit RQD / Comments Nell Concrete 0-5' Tan Silty Sand SM 0.7 No Petro Odor MW-4-1 М (0-4 feet) 5-7' Gray Sandy Silt/Clay MW-4-2 8.0 M No Petro Odor CONSTRUCTION FORM (4-8 feet) 10 SP MW-4-3 12 8.0 No Petro Odor М 48 (8-12 feet) 14 WELL SEE 8.0 MW-4-4 16 W No Petro Odor 48 EOB at 16 feet. Installed monitoring well MW-4 to 16 feet bgs with a 10 foot screen. 18 20

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

Signature: Matthew of Winkele

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.

#### SOIL BORING LOG INFORMATION

Form 4400-122

Other:

Rev 7-98

Route To:

Watershed / Wastewater: Remediation / Redevelopment:

Waste Management:

Page of 1 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 **Drilling Method** First: Damin Last: Prentice 02/07/2017 02/07/2017 Geoprobe/H.S.A. 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 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 E Lat 43° 2 ' 54 " N Ν Ε SW 1/4 of SW 1/4 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 City of Milwaukee Sample Soil Properties Depth in Feet (below ground surface) Blow Counts Well Diagram Graphic Log Length Att. Compressive Strength Liquid Limi 문 Moisture Content Soil / Rock Description And Geologic Origin PID/ Plasticity RQD / Comments For Each Major Unit Concrete MMAS-1 1.5 М No Petro Odor (0-4 feet) 0-8' Tan Silty Sand SM MW-5-2 48 1.2 Αđ Na Petro Odoi CONSTRUCTION FORM (4-8 feet) 8-11' Grey Sandy Silt/Clay CL 10 MW-5-3 48 48 \_12 11-12' Tan Silty Sand 1.3 MW No Petro Odor (8-12 feet) 2-15' Tan Fine to Medium Grained Sand with Gravel WELL MW-5-4 \_16 SEE 1.4 W No Petro Odor (12-16 feet) EOB at 17 feet. Installed monitoring well MW-5 to 17 18 eet bgs with a 10 foot screen. 20 I hereby certify that the information on this form is true and correct to the best of my knowledge 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.

	Valershed/Wastewater	Waste Mana	agement 🔲	MONITORING WELL CO Form 4400-113A Re-	NSTRU( r. 7-98	CTION
	Remediation/Redevelopment Local Grid Location of Well	Other		Well Name		
		אַ.		MW-1		
Huto Kepair		j S		1		<del></del>
Facility License, Permit or Monitoring No.	Local Grid Origin (cstima	ated: □) or Long	Well Location Or	Wis, Unique Well No. DNI VR630	Well ID	Na.
Facility ID		•	fl. E. S/C/N	Date Well Installed 2,04	120	17
Type of Well	Section Location of Waste/Sou	roe	□ E	Well Installed By; Name (fi	est last) as	d Firm
Well Code 11/MW	1/4 of1/4 of Sec		N, R	Darrin Prew	7 cé	io i bin
Distance from Waste/ Enf. Stds.		Sidegradient	Gov. Lot Number	Geiss Soil 4	San	udes!
	d Downgradient n	Not Known	Cap and lock?		Yes 🗆	
A. Protective pipe, top elevation 🔝 💷 💷	fLMSL	- '.'.	Protective cover p	v	. 163 E	ло
B. Well casing, top elevation	n. MSL	7 19 1	a. Inside diameter	=	_8	_ in.
C. Land surface elevation	ft. MSL		b. Length:			_ ft.
D. Surface seal, bottom ft. MS			c. Material:		Steel 🔯	0.4
	1261932313				Other 🗆	250200
12. USCS classification of soil near screen		N. Comment	d. Additional prot		Yes 🔯	No
OP GMC GCC GWC ST SMC SCC MLC MHC C	W B SP B		If yes, describe		۔ ۔	= 0
Bedrock □		3.	Surface scal:		onite 🔀	30
13. Sieve analysis performed?	es at No				icrete 🗷	01
* *	' ! 1688	<b>*</b>	X4		Other 🗆	
•	ny □ 50	₩ <sup>4</sup> .	Material between	well casing and protective pip	4.7	• •
Hollow Stem Aug	ger Mar4 i				tonite K	30
	E 1 2000			- 1 (2)	Other 🗆	
5. Drilling fluid used: Water □ 0 2	Air 🗆 01	5.	Annular space seal			33
	me 12 99	ь		ad weight Bentonite-sand		35
		C.		ad weight Bentonite s		31
16. Drilling additives used?	es pDNo 🖁	1000 d.		e Bentonite-cement		50
<del>-</del>		£.	-	volume added for any of the a	ibove emie 🛘	
Describe		£.	How installed:	Tremie pur		01
7. Source of water (attach analysis, if requir	ed):			•	•	02
			Dantonita sonle	a. Bentunite gra	wity 🖟	08 33
			Bentonite seal:	8 in. 1/2 in. Bentonite		
. Bentonite seal, topft. MSL		<b>X</b>	D. 1114 m. qүз/			32
. Benedine sear, up it inst	"		C		ther 🛚	<b>*</b>
Fine sand, top ft. MSL	orft.	<b>2</b> / / <sup>1</sup> .	Fine sand material:	Manufacturer, product name	e & mesh	
. Filter pack, top ft. MSL	or 6 ft.		a. 1 1 N b. Volume added _	63		
				: Manufacturer, product nam	a & mach	ring
. Screen joint, top ft. MSL	or n.			d Piw		
Well bottom ft. MSL	_		Volume added _	ft <sup>3</sup>	in the	41
Well bottom ft. MSL	··			Flush threaded PVC schedule		23
Filter pack, bottom ft. MSL			•	Flush threaded PVC schedule		24
Pitter pack, bottom To MSE	- t - L - L		S	- PVC -	her LJ	
Borehole, bottom ft. MSL	or I'l fts	<del></del>	Screen material:		Vid	22
	~	<b>.</b>	Screen type:	Factory		11
Borchole, diameter 8.25 in.		24		Continuous :		0 I 38358
t		\ .	Manufaction	Johnson	ther 🛚	
O.D. well casing 2.40 in.		\ b.	Manufactiner Slot size:	Juliyou	0.010	)in
• • • • • • • • • • • • • • • • • • •		\ d.			_20	
I.D. well casing 2.06 in.		•	=	diam Eltra monte.		
I.D. well casing $\Delta \cdot \mathcal{Q} \Psi$ in.		11.1	Backfill material (be		one 🗆	
	on is torn and assumed to the tes	o _f may lamasala			her AL	
reby certify that the information on this for		LUI MY KNOWK	жкс.			
Threin Prantice	e Firm Gols	s Soil	4 Sam	ples Lie		

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

•						
State of Wisconsin		*** . 14		MONITORING WELL	CONSTRU	CTION
*	atershed/Wastewater		nagement	Form 4400-113A	Rev. 7-98	<b></b>
	mediation/Redevelopment			40 41 WY .		
	ocal Grid Location of Well	8		Well Name MW-2		
Huto Kepair	n.	□ S	r u	1	CT **** ***** ****	
Facility License, Permit or Monitoring No. L.	ocan curi Cuigin 🖂 (estit	mated: 🗆 ) o	r Well Location	Wis. Unique Well No.	ank mai id	No.
L	st	Long	or	<u> VR629</u>		
Facility ID St	t. Planc ft.		fl. E. S/C/N	Date Well Installed	10,20	17
<u>1</u>	ection Location of Waste/So			- <u>25/</u> 5	<u>' का कि ते</u>	<u> </u>
Type of Well			ΩE	Well Installed By: Name	(first last) a	nd Pirm
The Code 1 1 Miles	1/4 of1/4 of Sec		_n,r	Marcin DIA	NH ce	
2 77 1 70 6 744	ocation of Well Relative to		Gov. Lot Number		V CC	_
		Sidegradier		Geiss Soil	4.50m	udest
Source ft. Apply	Downgradient n	☐ Not Known		1000 2011		
A. Protective pipe, top elevation	fLMSL		1 (Cap) and lock?		Ø Yes □	Жо
	6 1/61		2. Protective cover p	sipe:	<u> </u>	
B. Well casing, top elevation	ft. MSL		a. Inside diameter	-	_ט	_ in_
O I - I - I - I - I - I - I - I - I - I	n.msl		b. Length:		-7	ĒL.
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	c. Material:		Steel Z	04
D. Surface seal, bottom ft. MSL	or O ft William	T. Carrie	C. MARCHER			8886
	—————————————————————————————————————	1.78			Other U	Y W
12. USCS classification of soil near screen:	A 2.30 6	N. Land	d. Additional prot	tection?	☐ Yes K	No
GP GM GC GW SW		B/ /	If yes, describe	<u> </u>	*****	
	□ CH□   Æ			I	tentonite Ki	30
Bedrock 🗆	J 1891		3, Surface scal:		Concrete 🖁	01
13. Sieve analysis performed?   Yes	: Maino i			*	Other 🏻	
14. Drilling method used: Rotary	, □ 50	` <b>***</b>	4 Meterial hetman	well casing and protective		2.25
1' -	' . ! 16₩1		4. Misserial Dermeest	<b>-</b>	pape. Sentonite 🗱	20
Hollow Stem Auger				1		30
One -		₩.			Other 📮	<b>25</b>
		<b>XX</b>	5. Annular space sea			33
	ir 🗌 01   🔯		hLbs/gal m	ud weight Hentonite-se	and slurry∐	35
Drilling Mud 🖂 0 3 Non	<b>к</b> Д 99   👹	<b>XX</b>		nd weight Bentoni		31
	<b>8</b>	<b>88</b>		te Bentonite-cem		50
16. Drilling additives used?	KI No	<b>883</b>		volume added for my of t		50
	ſ	<b>88</b>		Transcending the Control of the Cont	Tremie 🗆	01
Describe		<b>**</b>	f. How installed:	Tomorio		
17. Source of water (attach analysis, if required	i):   🔯	<b>***</b>			pumped 🗆	02
		<b>200</b>			Gravity K	08
		<b>100</b> 0	i. Bentonite seal:	a. Bentimite		33
		<b>***</b>	b. □1/4 in. ₩3/	/8 in. 🗆 1/2 in. Benton	ite chips 🗱	32
E. Bentonito seal, topft. MSL or	r9ft.\		C		Other 🔲	
F. Fine sand, top ft. MSL or	5- <b>-  √ / / / / / / / /</b>		Fine sand material:	Manufacturer, product n	ame & mesh	tize
			, *15 K	ed Plint		
G. Filter pack, top ft_MSL or		131	3. V-1	<sub>ft</sub> 3	-	2000
or twee barrer mb			b. Volume added_			
de Troy en		関 / *	41 1 1	l: Manufacturer, product n	ame & mesh	S126
A. Screen joint, top ft. MSL or	:Vf.	40 /	. 4) Ke	d Flint	-	
			b. Volume added	fi <sup>3</sup>		
Well bottom ft. MSL or	-10_a_ M	9	. Well casing:	Flush threaded PVC sched	nle 40 👿	23
			•	Flush threaded PVC sched	ule 80 □	24
. Filter pack, bottom ft. MSL or	'   ft   水腫	型门	•			
a district Research properties of the second to the second terminal	-1	<u> </u>	· Cama	DAG-	Other L	
L Borchole, bottom ft. MSL or	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		. Screen material:			396
			a. Screen type:			11
Borchole, diameter 8-25 in.				Continuo	:	01
Borchole, dismeter D.O. in.		1			Other 🗆	
7 <u>4</u> N		\	b. Manufactu <del>rer</del>	Johnson		_
1. O.D. well casing 2.40 in.		\	c. Slot size:		- ο. <u>Δ</u> Ιζ	in.
		/	d. Slotted length:			ft.
I. LD. well easing 2.00 in.	•	•	Backfill material (b	elow filter metrls	None 🗆	
· · · · · · · · · · · · · · · · · · ·		11	· ······	aton trans hims/s	Other &	
	ic tops and		istas		JUNI KUL	
hereby certify that the information on this form		CALUL MY KNOW	renge:		<del></del>	
ignatury O.c.c.iv	l'am 🛆 🐧		1 0 50	also lin		
TOTAL PROPERTY	DOS	5 201	1 ª Sam	ples Lic		

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. Statz., 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 immediate be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

		•		
State of Wisconsin Department of Natural Resources Route to: \	Watershed/Wastowater	Waste Management	MONITORING WEL	
-	Remediation/Redevelopment	Other 🗆	Form 4400-113A	Rev. 7-98
	I and Grid I anglish of Wall		Well Name	
Huto Kepair	P. E.	S	MW-3	
Facility License, Permit or Monitoring No.	Local Grid Origin ( estima	nted: []) or Well Locat	ion 🔲 Wis. Unique Well No.	DNR Well ID No.
	Lat	OTIS .	"or VR628	
Facility ID	St. Plancfl. N	•	S/C/N Date Well Installed	10/0/2017
	Section Location of Waste/Sou		3/GK US	<i>៶</i> ૢ૾ૺ <i>\</i> ૄ૾ૺૺ <i>\૾૽૾૾૽૽૽૽૽ૢ</i>
Type of Well	1		Well Installed By Na	me (first, last) and Firm
Well Code   / MW		,TN,R		Antice
Distance from Waste/ Enf. Stds.	Location of Well Relative to W	aste/Source Gov. Lot No Sidegradient	10 .	1.45
Source ft Apply	d Downgradient n		louss Soil	Samplestle
	. R MSL	1 Cap and k	nek?	₹ Yes □ No
• • • •			cover pipe:	<b>A</b> 100 <b>D</b> 100
H. Well casing, top elevation	n. MSL	a. Inside d	• •	8 in
0.1 - 1 - 5 - 1 - 1 - 1 - 1	ft.MSL	b. Length;		- J - n.
	···	c. Materia		Steel 12 04
D. Surface seal, bottom ft. MS	LorQ_ ft. 经通识		••	Other D
12. USCS classification of soil near screen	Time to the second seco	CANADA Addison	nal protection?	☐ Yes kấ No
1	1 1 1911		describe:	(T) 1 (2) MT 140
GP GMC GC GW S SM SC ML MHC C	i Bail 📜	П / п уез.		Bentonite ( 30
Bedrock □		3, Surface se	al:	Concrete 2 01
13. Sieve analysis performed?	es 🖾 No		`	Other 🗆 🌉
14. Drilling method used: Rote	ary □ 50	4. Material b	etween well casing and protecti	ve mine:
Hollow Stem Au				Bentonite 2 30
	her 🗆 🎆			Other 🔾 🌉
		5. Annular ap	ace seal: a. Granular/Chippe	
{	Aîr 🗆 01 📗	bLb	s/gal mud weight Bentonite	
Drilling Mud □ 03 N	one K199		s/gal mud weight Bento	
			Bentonite Bentonite-ce	
16. Drilling additives used?	es KI No		Fi 3 volume added for my o	
		f How ins	····	Tremie 🗆 01
Describe	——— I 👹	<b>*</b>		ic pumped 🛛 02
17. Source of water (attach analysis, if requi	red):			Gravity 10 08
		6. Bentonite s	eal: , a. Bentoni	te granules 📋 33
		b. □1/4 i	n. 10,3/8 in. □1/2 in. Bend	tonite chips 🛍 32
E. Bentonité seal, sopft. MSL	oro_D_ft_ 👹	C		Other 🛛 🎇
	U \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		***************************************
F. Fine sand, top ft. MSL	or1_ft.	**************************************	neterial: Manufacturer, produc	
	7	3 / a	o ked Mint	
G. Filter pack, top ft. MSL	or tr/ 人別	b. Volume	addedf13	
		8. Filier pack	material: Manufacturer, produc	t name & mesh size
H. Screen joint, top ft. MSL	or ft.	M 40	) ked Flint	
		b. Volume		
I. Well bostom ft. MSL	α - 7 - τ - II	9. Well casing		
	17 .		Flush threaded PVC sch	
J. Filter pack, bottomft. MSL	or - + - r - r			Other 🗆 🏬
K. Borehole, bottom ft. MSL	17	10. Screen mate		
K. Borchole, bottom	or	a. Screen ty		ictory cut 💢 11
L Borehole, diameter 8-25 in.		<b>3</b> (	Contin	nous slot 🔲 01
		\	- Tahnsan	Other 🗆 🌉
M. O.D. well casing 210 in.		b. Manufact		0.01Qin.
· · · · · · · · · · · · · · · · · · ·		c. Slot size:		0.010m. _ZO ft.
N. I.D. well casing 2.06 in.		,	· ·	- <del></del> -
N. I.D. well casing $\mathcal{Q} \cdot \mathcal{Q} \cdot \mathcal{Q} \cdot \mathcal{Q}$ in.		Li. Backtili mat	crial (below filter pack):	None D 14
Character contribute that the information on this for	ern is true and present to the be-	of my knowledge		Other &
hereby certify that the information on this for	T1-2	or my vironicale:		<u></u>
""Thrin bronting	P Pico	Soul a S	annles 110	
<u> </u>	<u> </u>	<u> </u>	WMIN LL	

Please complete both Forms 4400-113B and 4400-113B and return them to the appropriate DNR office and bureau. Conspletion 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

State of Wisconsin		MONITODING WELL CONSTRUCTION
Denorment of Natural Resources Route to: Waterchad/Wast	tewater Waste Management development Other	MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98
Remediation/Re Escility/Project Name   Local Grid Loc	etion of Well	Well Name
Auto Kepair	A S. A DE	J MW-4
Facility License, Pennit or Monitoring No.  Local Grid Orig	tin 🗌 (estimated: 🗋 ) or Well Location 🗎	Wis. Unique Well No. DNR Well ID No.
Facility ID	Longor	Date Well Installed 2 A / 2 O A 1 7
or time	fl. N, fl. E. S/C/N on of Waste/Source	12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13
Type of Well	1/4 of Sec,TN, R	Well Installed By: Name (first, last) and Firm
Well Code	ell Relative to Waste/Spurce   Gov. Lot Number	Darrin Prontice
Distance from Waste/ Ent. Stds. u 🖂 Upgrad	ent s 🛘 Sidegradient	Geiss Soil & Samples U
A. Protective pipe, top elevation ft. MSI	radient n [] Not Known   Cap and lock?	Ko Yes □ No
S 1/07	A 7 Describes cover :	<b>V</b>
B. Well casing, top elevation ft. MSI	a. Inside diameter	: _ Ď_in.
C. Land surface elevation ft. MSL		
D. Surface seal, bottom ft. MSL or	c. Material:	Steel 12 04
12. USCS classification of soil near screen:	d. Additional prot	Other 🗆 🗮 tection? 🖂 Yes Ki No
GP GM GC GW SW SP SP SM SC ML SW CSP GM GC GW GC SW GC	1 1 11 11 1	E 163 M 140
SM SC ML MH CL CH CH	3, Surface scal:	Bentonite 🛭 30
13. Sieve analysis performed?   Yes No	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Concrete 2 01
14. Drilling method used: Rotary [] 50	A Material between	well casing and projective pipe:
Hollow Stem Auger # 41	4. MARETAN DELWEST	Bentonite 2 30
Other 🗆		Other []
10 m m m m m m m m m m m m m m m m m m m		l; a. Granular/Chipped Bentonite 🖏 33
15. Drilling fluid used: Water 0 2 Air 0 1 Drilling Mud 0 3 None 2 99		ud weight Bentonite-sand slurry ☐ 35
Hos Nuik ki >>		ud weight Bentonite slurry 31
16. Drilling additives used?   Yes   No		te Bentonite-cement grout [2] 50 volume added for any of the above
Describe	f. How installed:	Tremie □ 01
17. Source of water (attach analysis, if required):		Tremie pumped 🖸 02
	6 Romanita and	Gravity \$1 08 a. Bentunite granules [] 33
	6. Bentonite seal:	a. Bentunute granules [] 33 /8 in. [] 1/2 in. Bentonite chips \$1 32
E. Bentonite seal, topft. MSL orf	-\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Other 🗆 🚉
Ц	6. Bentonite scal: b. □1/4 in. □3/ c. □ 7. Fine sand meterial:	Manufacturer, product name & mesh size
F. Fine sand, top ft. MSL or ft.	- FIS 8	ed Plint
G. Filter pack, top ft. MSL or f	b. Volume added	
10		l: Manufacturer, product name & mesh size
H. Screen joint, top ft. MSL or U_ ft	- 40 Re	
I. Well bottom ft. MSL or _ \_ ft	b. Volume added_	n <sup>3</sup>
I. Well bottomft. MSL or _ 1ft		Flush threaded PVC schedule 40 💆 23 Flush threaded PVC schedule 80 🗆 24
I, Filter pack, bottom ft. MSL or ft		Other 🗆 🎇
im	10. Screen material:	PVC
K. Borchole, bottom ft. MSL or _ 1 _ ft.	e. Screen type:	Factory cut X 11
L. Borehole, diameter 8.25 in.		Continuous slot   01
	b. Manufacturer	Johnson Other 🗆 🌉
M. O.D. well casing 240 in.	c. Slot size:	0.010in.
7 1	d. Slotted length:	_ <i>ZO_</i> n.
N. I.D. well casing $\partial_{\mathbf{x}} \underline{b} \underline{b}$ in.	11. Backfill material (be	
I hereby certify that the information on this form is true and c	orrect to the best of my knowledge	Other 🗖 🎎
	m $\wedge$	
IXIVIN PRANTICE	GUSS Soil & Sam	ples 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

State of Wisconsin Department of Natural Resources Route to: Watershed/ Remarkation	e/Dadamalamana	Waste Manageme		MONITORING WELL CONSTRUCTION Rev. 7-98	CTION
Facility/Project Name Local Gri	Location of Well			Well Name	······································
A.L. Perois	r ⊟s:	•	_A.     \frac{1}{2} \cdot	Mw-5	
Auto Repair	Origin [ ] (estimated	. The Wall	Larrian II	Wis. Unique Well No.  DNR Well ID	No
	Arikin [] (commerce	. <u> </u>	Or II	VR636	7101
I_st	Lon	18. <del></del>	or	<u> </u>	
Facility ID St. Plane	fl. N,		E. S/C/N	Date Well Installed 2,06,20	17
C. Tuno	cation of Waste/Source		0,0,0	m m d d v v	<del>1</del> <del>1</del>
Type of Well	CIRROLL OF AN IREC/PORRIOR		ПB	Well Installed By: Name (first, last) a	nd Pirm
	of 1/4 of Sec	, T N, R.	目録	Marrin Prantice	• 1
Location	f Well Relative to Wast	e/Source Gov.	Lot Number	Talling Sec	-
Distance from Waste/ Enf. Stds. u 🗆 Up	tradient s 🔲 Si	idegradien1		Graige Cail & San	plestl
	wngradient n 🗆 N			DUSS SOIT OUT	LICSCO
			and lock?	Ø Yes □	No
A. Protective pipe, top elevation ft.	War	7	ective cover pa	mar —	
R Well caring too elevation ft.	MSL - TO	14.3	•	φ (	! } :
B. Well casing, top elevation		8. <u>I</u> TI	side diameter:	- 5	, III
C. Land surface elevation ft.	MSL .	b. Le	agth:	راج	ft.
		c. M	aterial:	Steel 🔯	0 4
D. Surface seal, bottom ft. MSL or	/_ ft. 经通过			Other 🗆	
		1000	dditional prote	cuion? Yes 🗹	No
12. USCS classification of soil near screen:	_   /	* \	•		2.00
OP GMC GCC GWC SWC SI		1/ / n	yes, describé:	. /	
_	'니 '矮제 ##	3 0-6	scc scal:	Bentonite K	30
Bedrock 🗆	188 #	3. 2000	acc scar.	Concrete 🎉	01
13. Sieve analysis performed?   Yes  No		8 \		· Other 🏻	
· ·	1 1999 1995	4 1400	mini hetween t	vell casing and protective pipe:	THE HER
14. Drilling method used: Rotary 15		4. IVI a.e.	SHALDELWAZI	Bentonite K	30
Hollow Stem Auger 5 4		3			
Other 🗆				Other 📮	
<u></u>		5. Anni	ılar space scal	a. Granular/Chipped Bentonite KQ	33
15. Drilling fluid used: Water □ 0 2 Air □ 0		b	Lbs/gal mt	rd weight Bentonite-sand slumy □	35
Drilling Mud 🖂 0 3 None 📈 9	<b>→              </b>	2	I belost ma	id weight Bentonite slurry U	31
-		· -		e Bentonite-cement grout	50
16. Drilling additives used?		a			50
10. 22.		e		volume added for any of the above	<u> </u>
,		f. H	ow installed:	Tremie []	01
Describe		1		Tremie pumped 🛚	02
17. Source of water (attach analysis, if required):				Gravity 💥	0.8
		6 Rent	onite seal: ,	a. Bentonite granules []	33
	🚟 🛱			8 in. □1/2 in. Bentonite chips 🗱	32
	5. 💹 🕷	, D. L	7114 m. 463		
E. Bentonite seal, topft. MSL or _ o_	<-ra>	/ c		Other 🗆	
L		7 77	*	Manufacturer, product name & mes	h cize
F. Fine sand, top ft. MSL or	A\ \ X 🐯 🖼	rme	the Contraction	a la la la la la la la la la la la la la	
	/ 物 图	/ / a	412 K	ed Plint	
G. Filter pack, top ft. MSL or			olume added _	fi <sup>3</sup>	
G. Filter pack, top ft. MSL or			omine anded _		h nine
		8. 11115	pack materia	: Manufacturer, product name & mes	
H. Screen joint, top ft. MSL or	f	1 1	140 Ke	d Flint	
15	and the second	b. V	olume added _	ft <sup>.3</sup>	
I. Well bonom fr. MSL or	ft. Design	9, Well		Flush threaded PVC schedule 40 🔟	23
1. West total				Flush threaded PVC schedule 80	24
6 3507			,	Other 🗆	
J. Filter pack, bottom ft. MSL or		_			
\ m		10. Scree	n material: _		<b>200</b>
K. Borchole, bottom ft. MSL or _ 1_	ft	a. St	creen type:	Factory cut 🔯	11
				Continuous slot 🖂	01
L. Borehole, diameter 8.25 in.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>\</b>		Other []	
		\ . =		Johnson	5000
2 AN		`\ ~	mufacturer	0.01	As <sub>m</sub>
M. O.D. well casing 2.40 in.		`	ot size:		
· · · · · · · · · · · · · · · · · · ·		\ d. SI	otted length:		<u>2</u> fl.
N. I.D. well casing 2.06 in.		11. Back	fill material (b	elow filter pack): None 🖳	
14. 120. HOLL CADALE 201.			•	Other AL	
		of my knowledge			
hereby certify that the information on this form is true		AL HIT KINDHINGE			<del></del>
Signature ()	Firm	Sail	( Ca	Noc 110	
THEFT PROPERTY	1 5055	<u> </u>	<u>, oan</u>	YUES LLE	

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 chr. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Statz., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Statz., 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.

Route to: Watershed/Wastewater

#### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Remediation/Red		Other			
Facility/Project Name	County Name		Well Name	3.6557.	
Auto Repair on Vliet		MILWAUKEE		MW-1	
Facility License, Permit or Monitoring Number	County Code 41_	Wis. Unique Well I	Number / <u>R630</u>	DNR W	ell ID Number ———
1. Can this well be purged dry? X Ye	es □ No	11. Depth to Water		velopmen	t After Development
2. Well development method		(from top of	a. 12.37	ft.	_15.05 <sub>ft.</sub>
surged with bailer and bailed   4	1	well casing)			
surged with bailer and pumped X 6					
surged with block and bailed   4		Date	ь 02 / 08	/ 2017	63/03/201
	2		$\frac{m}{m}\frac{m}{d}$	1 y y y	<u> </u>
	0			X a.m.	⊓ a.m.
compressed air	0	Time	c. <u>11</u> : _1	8 🛱 p.m.	$12 \cdot 02 \stackrel{\text{$\Pi$ a.m.}}{\text{$X$ p.m.}}$
	0				
pumped only	1	12. Sediment in well	l	inches	inches
pumped slowly	0	bottom			
Other 🗆		13. Water clarity	Clear 🎵 1		Clear X 20
NO.00	cco.		Turbid X 1	5	Turbid□ 25
3. Time spent developing well 44	min.		(Describe)		(Describe)
			Tan		Light Tan
4. Depth of well (from top of well casising) 17	ft.		Petro Odor	&	Petro Odor &
-			Sheen		Sheen
5. Inside diameter of well	in.		High Turbic	lity	Low Turbidity
6. Volume of water in filter pack and well		İ			
casing	gal.				
	_	Fill in if drilling flui	ds were used an	id well is a	t solid waste facility:
7. Volume of water removed from well $7.5$	gal.				-
0.17.1	_			mg/l	mg/l
8. Volume of water added (if any)	gal.	solids			
9. Source of water added		15. COD		_ mg/l	mg/l
	·	16. Well developed b	y: Name (first, la	st) and Firm	
10. Analysis performed on water added?	s 🗆 No	First Name: Eric		Last Name	: Dahl
(If yes, attach results)		ni METOO			
17. Additional comments on development:		Firm: METCO			
17. Additional comments on development.					
Name and Address of Facility Contact/Owner/Responsible	Darty				
Street T and	1 dily	• •	t the above info	rmation is	true and correct to the best
irst Raisa Last Beyder Name: Name:		of my knowledge.			
acility/Firm: c/o Anna Shtivelberg (POA)		Signature:	// n		
242 F. Bardan Barah		Print Name: Eric Da	hl		
City/State/Zip: Bayside WI 53	217-	Firm: METCO	)		15.50.0

Waste Management \_\_\_\_

Route to: Watershed/Wastewater

#### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Remediation/Red		Other			
Facility/Project Name	County Name		Well Name	2411/ 2	
Auto Repair on Vliet	ll .	MILWAUKEE	1	MW-2	
Facility License, Permit or Monitoring Number	County Code 41_	Wis. Unique Well N	umber R629	DNR We	11 ID Number
1. Can this well be purged dry? X Ye	s 🗆 No	11. Depth to Water	Before Dev	elopment	After Development
2. Well development method			a. 10.3	ft.	14.86 ft.
	1	well casing)			
surged with bailer and pumped X 6					
<del>-</del> - "	2	Date	. 02 / 08	, 2017	02/03/2017
surged with block and pumped   6			$\frac{m}{m} \frac{m}{d} \frac{d}{d}$	- / <del>- y y</del> y	$\frac{\sqrt{y}}{\sqrt{y}} \frac{\frac{O}{m}}{m} \frac{\lambda}{d} \frac{\lambda}{d} \frac{3}{y} \frac{\lambda}{y} \frac{O}{y}$
	0				• • • •
_	0	Time	c. 10_: 14	1	$11_{:}09_{X p.m.}^{\Pi a.m.}$
bailed only					
pumped only	1	12. Sediment in well		inches	inches
pumped slowly	.0	bottom			
Other 🗆		13. Water clarity	Clear 🞵 1		Clear (X 20
****	•		Turbid X 1	5	Turbid□ 25
3. Time spent developing well 55	min.		(Describe)		(Describe)
			Tan	<del></del> .	Light Tan
4. Depth of well (from top of well casisng)	ft.		No Odor		No Odor
5. Inside diameter of well	in.	,	High Turbid	lity	Low Turbidity
6. Volume of water in filter pack and well					
casing 6.2	gal.				
<b>5.</b>		Fill in if drilling fluid	s were used an	d well is at	t solid waste facility:
7. Volume of water removed from well $7.5$	gal.	14.75 . 1		~ <i>(</i> 1	#
8. Volume of water added (if any)	gal.	14. Total suspended solids	<u> </u>	111g/1	mg/l
9. Source of water added	<del> </del>	15. COD		mg/l	mg/l
		16. Well developed by	/: Name (first, la	st) and Firm	
10. Analysis performed on water added?	□ No	First Name: Eric		Last Name	: Dahl
(If yes, attach results)		Firm: METCO			
17. Additional comments on development:		-			
			,		
Name and Address of Facility Contact /Owner/Responsible	Party	Thanku sastifu that	the charge info		true and correct to the best
irst Raisa Last Beyder	-	of my knowledge.	the above into	mauon is	true and correct to the best
Name: Name: Beyder		Of his Kilowiougo,			·
acility/Firm: c/o Anna Shtivelberg (POA)		Signature:	<u>//~</u>	<del></del>	
treet: 242 E. Ravine Bay Road		Print Name: Eric Dah	.1		
City/State/Zip: Bayside WI 53	217-	Firm: METCO			

Waste Management \_\_\_\_

First

Name:

Street:

Facility/Firm:

City/State/Zip:

#### MONITORING WELL DEVELOPMENT Form 4400-113B

I hereby certify that the above information is true and correct to the best

Route to: Watershed/Wa	stev	vater _	<u>"</u>	Waste Management						
Remediation/R	ede	velopme	ent[X]	Other						
Facility/Project Name		County			Well Name					
Auto Repair on Vliet				MILWAUKEE		MW-3				
Facility License, Permit or Monitoring Number		County 41		Wis. Unique Well N		DNR W	ell ID Number			
1. Can this well be purged dry?	Yes	: <b>□</b>	No	11. Depth to Water	Before Dev	elopmen	t After Development			
2. Well development method					a 10.5	ft.	_14.53 ft.			
surged with bailer and bailed	4	1		well casing)						
surged with bailer and pumped X										
surged with block and bailed				Date	L 02 / 08	, 2017	02/03/201			
surged with block and pumped	6				$\frac{m}{m}$ $\frac{d}{d}$ $\frac{d}{d}$	$-\frac{1}{y} \frac{y}{y}$	$\frac{\sqrt{y}}{y} = \frac{0.2}{m} \frac{2}{m} \frac{20}{d} \frac{3}{y} \frac{20}{y} \frac{1}{y}$			
surged with block, bailed and pumped	7	_								
compressed air	2			Time	c. 09_:_10	∑	$10$ : $06$ $\times$ $10$			
bailed only						_ •				
pumped only	5	1		12. Sediment in well		inches	inches			
pumped slowly	5.5	0		bottom						
Other				13. Water clarity	Clear 🎵 1 Turbid X 1		Clear ∤X 2 0 Turbid □ 2 5			
3. Time spent developing well 50		min.			(Describe)		(Describe)			
	_	_			Tan		Light Tan			
4. Depth of well (from top of well casising) $\frac{17}{}$		ft.			No Odor		No Odor			
<u> </u>					High Turbid	ity	Low Turbidity			
5. Inside diameter of well		in.	į							
6. Volume of water in filter pack and well casing 7.1	_	gal								
7. Volume of water removed from well 7.5	. <u></u>	gal.		Fill in if drilling fluid			·			
8. Volume of water added (if any)	_	gal.		14. Total suspended solids		mg/l	mg/l			
9. Source of water added				15. COD		mg/l	mg/l			
			_	16. Well developed by	/: Name (first, la	st) and Firm	<u> </u>			
10. Analysis performed on water added?	Yes			First Name: Eric		Last Name				
				Firm: METCO						
17. Additional comments on development:										
					•					
Name and Address of Facility Contact /Owner/Responsil	ble I	Party		The selection of the state of		<b></b>				

of my knowledge.

Print Name: Eric Dahl

METCO

Signature:

Firm:

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

53217-

Last

c/o Anna Shtivelberg (POA)

242 E. Ravine Bay Road

Bayside

Name:

Beyder

WI

State of Wisconsin Department of Natural Resources

### MONITORING WELL DEVELOPMENT

Form 4400-113B Route to: Watershed/Wastewater \_\_\_\_ Waste Management \_\_\_\_ Other [ Remediation/Redevelopment [X] Facility/Project Name County Name Well Name MW-4 Auto Repair on Vliet MILWAUKEE Facility License, Permit or Monitoring Number County Code Wis. Unique Well Number DNR Well ID Number 41 VR627 X Yes □ No Before Development After Development 1. Can this well be purged dry? 11. Depth to Water (from top of 2. Well development method well casing) surged with bailer and bailed 41 surged with bailer and pumped X 61  $b.\frac{02}{m}/\frac{08}{d}/\frac{2017}{y}\frac{7}{y}\frac{O}{y}\frac{2}{m}\frac{1}{m}\frac{3}{d}\frac{3}{d}\frac{3}{y}\frac{O}{y}\frac{1}{y}\frac{7}{y}$ Date surged with block and bailed 42 surged with block and pumped 62 surged with block, bailed and pumped 70 c. <u>08</u>: <u>19</u>  $\square$  p.m. Time compressed air 20 bailed only 1.0 \_ \_\_ inches \_\_ inches 12. Sediment in well 51 pumped only bottom pumped slowly 13. Water clarity Other \_\_\_ Clear ∏ 10 Clear X 20 Turbid X 15 Turbid 25 (Describe) (Describe) 3. Time spent developing well Tan Clear <u>16</u> \_ \_ ft. No Odor No Odor 4. Depth of well (from top of well casisng) High Turbidity Low Turbidity 5. Inside diameter of well 6. Volume of water in filter pack and well casing Fill in if drilling fluids were used and well is at solid waste facility: 7. Volume of water removed from well 14. Total suspended 8. Volume of water added (if any) solids 15. COD \_\_ mg/l 9. Source of water added 16. Well developed by: Name (first, last) and Firm ☐ Yes Eric 10. Analysis performed on water added? □ No Last Name: Dahl First Name: (If yes, attach results) Firm: METCO 17. Additional comments on development: Name and Address of Facility Contact/Owner/Responsible Party I hereby certify that the above information is true and correct to the best First Last of my knowledge. Name: Name: c/o Anna Shtivelberg (POA) Signature: Facility/Firm: Print Name: Eric Dalıl 242 E. Ravine Bay Road Street:

**METCO** 

Firm:

Bayside

City/State/Zip:

53217-

#### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewat		Waste Management	t []		
Remediation/Redevel	kopment [X]	Other			
	ounty Name		Well Name		
Auto Repair on Vliet		MILWAUKEE		MW-5	
Facility License, Permit or Monitoring Number Co	ounty Code	Wis. Unique Well N	fumber R626	DNR W	ell ID Number
	41	<u></u>	<u> </u>		<u> </u>
1. Can this well be purged dry? X Yes	□ No		Before Dev	elonmen	t After Development
To the state of purgon inj.		11. Depth to Water	201010 201	oropinon	- That Bevelopment
2. Well development method		(from top of	a. 11.62	ft.	11.95 ft.
surged with bailer and bailed   4 1		well casing)			<del></del>
surged with bailer and pumped X 61					
surged with block and bailed 4 2	•	Date	ь 02 / 07	2017	02/07/201
surged with block and pumped   62			$\frac{m}{m}$ $\frac{m}{d}$ $\frac{d}{d}$	y y	$\frac{\sqrt{20i}}{y} \frac{\sqrt{20i}}{mm} \frac{\sqrt{20i}}{d} \frac{\sqrt{20i}}{y} \frac{\sqrt{20i}}{y}$
surged with block, bailed and pumped   70					
compressed air		Time	c. <u>09: 47</u>	7 ☐ p.m.	12 : 29 X p.m.
bailed only				_	
pumped only		12. Sediment in well		inches	inches
pumped slowly		bottom			
Other		13. Water clarity	Clear 🎵 1	0	Clear X 20
			Turbid X 1	5	Turbid□ 2.5
3. Time spent developing well 162	min		(Describe)		(Describe)
			Tan		Clear
4. Depth of well (from top of well casising) $\frac{17}{2}$	_ ft.		No Odor		No Odor
• • •			High Turbid	ity	Low Turbidity
5. Inside diameter of well	_ in.				
6. Volume of water in filter pack and well					
casing 5.9	_ gal.				
4.00		Fill in if drilling fluid	s were used an	d well is a	it solid waste facility:
7. Volume of water removed from well 45	_ gal.				
				mg/l	mg/l
8. Volume of water added (if any)	gal.	solids			
0.0		15. COD			n
9. Source of water added		15. COD		mg/I	mg/l
		16. Well developed by	y: Name (first, la	st) and Firm	<u> </u>
10. Analysis performed on water added?   Yes	□ No	First Name: Eric		Last Name	a. Dahl
(If yes, attach results)	i			23/45/ 1 / 4421/	
		Firm: METCO			
17. Additional comments on development:			-		
			•		
Name and Address of Facility Contact/Owner/Responsible Part	tv I				
iret Last	~	•	the above info	rmation is	true and correct to the best
Name: Raisa Name: Beyder		of my knowledge.			
		and the second s			
acility/Firm: c/o Anna Shtivelberg (POA)		Signature:	<u> </u>		
242 F. Davier - Bert Band		manay Fula Date	.I		
treet: 242 E. Ravine Bay Road		Print Name: Eric Dah	11		
Sity/State/Zin: Bayside WI 53217-	_	Firm: METCO			,
11V/.3(A)C//.HD.					

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Page 1 of 2

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.

		ſ	Route t	o:										
☐ Verification Only	of Fill and Seal		Dri	nking Wa	ter	Watershed/Wastewater X Remediation/Redevelopm	nent							
		l	Wa	iste Mana	igemer	ent Other:								
1. Well Location Inform	nation				. Taliana	2. Facility / Owner Information	356							
The state of the s	WI Unique Well # □	of H	icap#	57.44.608		Facility Name								
•	Removed Well	" [	, <b></b>			354, 144,10								
MILWAUKEE						Facility ID (FID or PWS)	*****							
Lattitude / Longitude (Degr		Method	Code (s	ee instrud	ctions)	341043340								
43_ • _2.9_ · _	'N					License/Permit/Monitoring #								
<u>87</u> • <u>56.7</u> .	w	<u>G</u>	<u>PS00</u> 6		_									
1/4 SW 1/4 SV	V Section	Town	ship	Range <sub>[</sub> ,	χE	Original Well Owner								
or Gov't Lot #	19	7	N	22	٦w	Raisa Beyder C/O Anna Shtivelberg								
Well Street Address						Present vveii Owner								
2481 W Vliet Street						Raisa Beyder C/O Anna Shtivelberg								
Well City, Village or Town			Well Z	IP Code										
Milwaukee			532	05-		242 E Ravine Bay Rd  City of Present Owner State ZIP Code								
Subdivision Name Lot #						Bayside WI 53217-								
							· · · · · ·							
Reason For Removal From	Service Wi Uniq	ue Well #	of Rep	lacement	Well									
Sampling Complete		es de seguina es de la constanta de la constan				Pump and piping removed?								
3. Well / Drillhole / Bor	777 TELEVISION OF THE PARTY OF	أحبث المتناج الأمانية				Liner(s) removed?								
Manitarina Well	Original Cor		•	mm/dd/yy	ryy)	Screen removed?								
Monitoring Well . 2/6/2017						Casing left in place?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Water Well	if a Well Co		n Repor	t is availa	ble,		N/A							
X Borehole / Drillhole	please atta	<i>3</i> 11.			<del></del>		N/A							
Construction Type:		,				Did material settle after 24 hours?	N/A							
	riven (Sandpoint)	L	Dug			If yes, was hole retopped?	N/A							
X Other (specify): Geo	oprobe					If bentonite chips were used, were they hydrated with water from a known safe source?	N/A							
Formation Type:					•	Required Method of Placing Sealing Material								
X Unconsolidated Forma	ation	Bedrock	· ·			Conductor Pipe-Gravity Conductor Pipe-Pumped								
Total Well Depth From Gro	******	asing Di	ameter	(in.)		Screened & Poured [X] Other (Explain): Gravity								
	2	•		` '	i	Sealing Materials								
Lower Drillhole Diameter (ir	n.) C	asing De	pth (ft.)			Neat Cement Grout Clay-Sand Slurry (11 lb./gal.	. wt.]							
	2					Sand-Cement (Concrete) Grout Bentonite-Sand Slurry								
Was well annular space gro	utada 🔲	es [	] <sub>No</sub>	Hink	10/4/11	Concrete Bentonite Chips								
-					HUWII	_For Monitoring Wells and Monitoring Well Boreholes Only:								
If yes, to what depth (feet)?	Depth	o Water	(teet)			X Bentonite Chips Bentonite - Cement Grout								
						Granular Bentonite Bentonite - Sand Slurry								
5. Material Used To Fill V	Vell / Drillhole	nauri ari.				From (ft.) To (ft.) Lbs.								
Bentonite Chips		247/1 1117	7.77			Surface 2 3	— <u>.</u>							
· · · · · · · · · · · · · · · · · · ·							_							
5. Comments		organisation	i wasta in j		<u> </u>		(2X)							
Well abandoned by Geis	s Soil & Samples, l	LC per	onnel 1	nder ME	TCO	) supervision.								
Geoprobe boring G-1		•	<i>.</i>											
7. Supervision of Work			والمصام	Hilligere.		DNR Use Only	¥.,							
Name of Person or Firm Do	ing Filling & Sealin	Licen	se#	Date		illing & Sealing (mm/dd/yyyy) Date Received Noted By								
Eric Dahl (METCO)					elebratic T	2/6/2017								
Street or Route						elephone Number Comments								
	tte Street, Ste 3		bus s	·		608) 781-8879								
City Y . Crosses		State	ZIP Co		F	Signature of Person Doing Work Date Signed								
La Crosse	* .	WI	546	V.5-		2/9/2017								

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 o

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Verification Only of Fill and Seal       □ Drinking Water         □ Waste Manager						ent	Watershed/Wastewater X Remediation/Redevelopmen  ■ Other:							
1. Well Location information	F. 745 - 175 - 1		i Ikadil		2445, 140 <u>0</u>	2. Facili	ty / Owner II	rformation	alie Vii					
County WI Un	ique Well # ved Well		icap#		<u> </u>	Facility Na			15281841 (11112)		2.4:2 - 2.72			
MILWAUKEE						Facility ID	(FID or PWS)	T ACAD VICES PARTICULAR DIVINION OF						
Lattitude / Longitude (Degrees ar	id Minutes)	Method	Code (a	ee inst	ruction	s)	(1710-01-1740)	341043340						
43_ • _2.9	N					License/Po	ermit/Monitorin							
<u>87</u> - <u>56.7</u>	w	G	<u>PS006</u>	<u> </u>										
14 SW 14 SW	Section	Town	ship	Range	[X] E	Original W		aisa Beyder C/O Anı	ıa Shtivelh	erg				
or Gov't Lot #	19	7	N	22	□ v									
Well Street Address								Raisa Beyder C/O An	na Shtivel	berg				
2481 W Viiet Street	·		MAIN 7	IP Cod			dress of Prese	ent Owner						
Well City, Village or Town Milwaukee			532		<del>-</del>			242 E Ravin		A	····			
Subdivision Name Lot #						City of Pre	sent Owner		1	ZIP Code				
						Bayside WI 53217-								
Reason For Removal From Servi	ce Wi Uniq	ue Well #	of Rep	laceme	nt Well	4. Pump, Liner, Screen, Casing & Sealing Material								
Sampling Complete						Pump a	nd piping remo	oved?			XI <sub>N/A</sub>			
3. Well / Drillhole / Borehole		<u> </u>	references			Liner(s)	removed?				[X] <sub>N/A</sub>			
Monitoring Well	Original Cor			mm/dd/	(уууу)		Screen removed?  Casing left in place?  Screen removed?  Yes No [X] N// Yes No [X] N//							
Water Weil	- 2/0/2017							WALKER THE PARTY OF THE PARTY O			[X] <sub>N/A</sub>			
X Borehole / Drillhole	if a Well Co		n Repo	rt is ava	ilable,	1	sing cut off bel			res ∐ No	X <sub>N/A</sub>			
Construction Type:						1	ling material ri		[X] <sub>\</sub>	r1	HN/A			
	Sandpoint)	Г	Dug				erial settle afte s, was hole re				X N/A			
X Other (specify): Geoprobe		h.						used, were they hydr in safe source?	nind					
								n sate source? ng Sealing Material	ated [X]	No الله es	∐N/A			
Formation Type:  X Unconsolidated Formation	_	Bedroc	l.			<del> </del>	uctor Pipe-Gra	· , , , , , , , , , , , , , , , , , , ,	Pipe-Pump	ed				
Total Well Depth From Ground St	urface (ft \ lC	<del></del>		/in \		Screened & Poured X Other (Explain): Gravity								
2	mace (it.)	Adding Cr	ameter	fairl		(Bentonite Chips) Sealing Materials								
Lower Drillhole Diameter (in.)		asing De	epth (ft.	)		Sealing materials    Reat Cement Grout								
2		_		•		Sand	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "							
Was well annular space grouted?		Yes [	□No	Ur	nknowr	Concrete Bentonite Chips								
if yes, to what depth (feet)?	Depth	to Water	(feet)			_For Monitoring Wells end Monitoring Well Boreholes Only:  [X] Bentonite Chips								
•						3	ular Bentonite		ite - Sand					
5. Material Used To Fill Well / D	rillhole			1.3.4		From (ft.)	ant ar to communication of	Lbs.						
Bentonite Chips	A. D. Object March of the	enemas in color	5 10 5 W S			Surface	2	3	, , , , , ,		<del></del>			
	, , , , , ,													
3. Comments		4. 2144			257175	17-18-76-17-17-18-18-18-18-18-18-18-18-18-18-18-18-18-	Maridan, Britishas		eas marks	Nataliana ee sega	Section production			
Well abandoned by Geiss Soil	& Samples,	LLC per	sonneł	under N	иетс	) supervision	<u> </u>	<u> </u>	<u>Esters</u>	- Meritalika (1911)				
Geoprobe boring G-2  7. Supervision of Work					1 188		77 - 77 - 77 - 77 - 77 - 77 - 77 - 77	ng populas elect	NR Use (	<b>36</b> 51,63574,135.,7	[1] F [2] F [3]			
Vame of Person or Firm Doing Fill	ion & Sealin	g Licen	se#	h:	ale of F	illing & Seelir	ng (mm/dd/yyy	and a first property of the second second second	and a straight of the later of	ed By				
Eric Dahl (METCO)		° [		٦		2/6/2017								
Street or Route				,L,,,	Įī	elephone Nu		Comments	ir iicht ist.		151 (7.1 151 (7.1			
709 Gillette Str	eet, Ste 3					608) 781-	8879							
City		State	ZIP C			Signature o	Person Doin	g Work	Date	Signed	THE PARTY NAMED IN COLUMN TO THE PARTY NAMED			
La Crosse WI 54603-							9 / u 2/9/20							

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

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		ſ	Route to:					•		•		
☐ Verification Only	of Fill and Sea	u j	Drin	king Water			]Watershed/V	Vastewater	[X] Rer	nediatio	n/Redeve	elopment
		İ	Was	te Managei	ment		Other:					
1. Well Location Inform	nation		Orași Ali	e Coedina Coe	2 F	acilli	y / Owner li	formation	.saf-skotiki		in and the second	
	Wi Unique Well #	of H	licap #	[]_e[[8]]])@d [#]\$	Facilit	22.177			AUSTRACTION AND THE	Jana Par		i Militaria
-	Removed Weil		•				•					
MILWAUKEE			0		Facility	y ID (	(FID or PWS)					
Lattitude / Longitude (Degr 43 2.9		Meinoa	Code (se	e instructio	ns)			34104334	10			
	'N				Licens	e/Pe	rmit/Monitorin	lg#	·			
<u>87</u> • <u>5</u> 6.7	·w	-G	PS006_		_ [							
1414 SW 14 SW	/ Section	Town	ship R	ange [x]	Origina ≝	al We	ell Owner					
or Gov't Lot #	19	7	N	[2]	LAZ	- 4 - 4		aisa Beyder C/O	Anna Shti	velberg	,	
Well Street Address					Preser	nt VVe	ell Owner		o 4 - 01 -			
2481 W Vliet Street					Mailine	. Ada	Iress of Prese	taisa Beyder C/(	J Anna Shi	ivelber	g	
Well City, Village or Town			Well ZIF	Code	AISBUIL	j Auc	11822 OI LIESE		avine Bay	Dd		
Milwaukee			53205	5-	City of	Pres	ent Owner	242 E K	State		2 Code	<del></del>
Subdivision Name	•		Lot#		7.,, 0.			side	WI	["	53217-	
					4 Pi	mn.	the Court of the C	en, Casing & S	102 100 200300	oforial		
Reason For Removal From	Service MI Uni	ue We‼ ≇	f of Repla	cement We	31	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				220,597.11.2		Ivl
Sampling Complete				<del> </del>	pm. 1911	•	id piping remo	ovéd?		L_iYes	d	
3. Well / Drillhole / Bor						,	removed?			∐Yes □		[X] <sub>N/A</sub>
Monitoring Well	Original Co		-	m/dd/yyyy)			emoved?			Yes		[x] <sub>N/A</sub>
Water Well		2/6/2					eft in place?	A FORMANIA A A A A A A A A A A A A A A A A A A		∟lYes		[x] <sub>N/A</sub>
X Borehole / Drillhole	If a Well C		n Report i	is available	. 1		ing cut off bel			l JYes [v]		X N/A
Construction Type:	1						-	se to surface?		X  <sub>Yes</sub>		∐N/A
	riven (Sandpoint)	Г	Dug				rial settle afte			Yes	X No	I N/A
7 5		L					s, was hole re lie chins were		hydrated	∟lγes	LJ No	X <sub>N/A</sub>
X Other (specify): Geo	prope		· · · · ·					used, were they n safe source?		x <sub>Yes</sub>	L No	L N/A
Formation Type:	_	_						ng Sealing Mater				
[X] Unconsolidated Forma	ition	Bedroc	k				ictor Pipe-Gra ned & Poured		tor Pipe-Pu			
Total Well Depth From Gro	, , ,	Casing Di	ameter (ir	1.)			nite Chips)	[X] Other (E	Explain): 🧘	ravity		
	12				Sealing				<b></b>			
Lower Drillhole Diameter (in	1.) 2	Casing De	epth (ft.)				ement Grout				ırry (11 lb	•
tota so, o sy a							Cement (Cond	rrete) Grout	1		id Slurry "	
Was well annular space gro	uted?	Yes [	JNo [	Unknow	m i	onen				iite Chip	)S	-
If yes, to what depth (feet)?	Depth	to Water	(feet)					Monitoring Well E		-		
, , , , , , , , , , , , , , , ,		** *	()				nite Chips	<del></del> 1	ntonite - Co			
The first of the control of the second secon	Avanesas (1922)	20491-2011-001		Harilly (123	NOT GOAD HAN	\$ 50 N D.C	ar Bentonite	ᄖ	ntonite - Sa	ind Stur	ry	·›· · · · · · · · · · · · · · · ·
<ol><li>Material Used To Fill W</li></ol>	ell / Drillhole	建物类			From	(ft.)	To (ft.)	Lbs.				
Bentonite Chips					Surfa	ace	12	18				
			SAME DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE									
5. Comments		30/11		17.000	Alexander Alexander	7						
Well abandoned by Geiss Geoprobe boring G-3	s Soil & Samples,	LLC per	sonnel un	der METO	O supervi	sion.						
7. Supervision of Work						2.5			DNR U	se Onl		
Name of Person or Firm Dol	ng Filling & Seali	ng Licen:	se#	Date of	Filling & Se	ealin	) (mm/dd/yyy	y) Date Receive	a i	voted B	y ,	
Eric Dahl (METCO)		L			2/7/20				11.11.15	ASKET :		
Street or Route					Telephone			Comments				
	te Street, Ste 3				(608)7						ayas ayalidad Magaasasas	ursellerist.
City		State	ZIP Cod		Signatu	re of	Person Doing	Work		ate Sig		
La Crosse		WI	54603	<u>-</u>	12-		1/m			2/	9/2017	

## Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

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☐ Verification Only of Fill	and Seal	1 1		ing Water e Managen	ent 🗍	Watershed/W	/astewater	[x]	Remedi	ation/Redeve	lopment
	inger in the second		s desired.	o managon			Fagataga (1940	252112502064.5			
1. Well Location Information		or Li	561 5 7		Facility Nan	// Owner In	lotulanoi	Had Reflect	rich de la la la la la la la la la la la la la	VERSIBL	Your W.F.
	que Well # : red Well	יורן זי	cap#		гасицу мал	ię					
MILWAUKEE					Facility (D. (	FID or PWS)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Lattitude / Longitude (Degrees an	d Minutes)	Method C	ode (see	instruction	is)	10 01 1 110)	34104	3340			
43 • 2.9	'N				icense/Per	mit/Monitorin				<del> </del>	
87 • 56.7	·w	GI	2S006				<i>a</i> "				
					Original We	Il Owner	,				
414 SW 4 SW	Section	Towns	- 1	inge [x]	=   <b>3</b>		isa Beyder	C/O Anna	Shtivelb	erg	
or Gov't Lot #	19	7	N 2	$\frac{22}{1}$	V Present We	Il Owner					
Well Street Address						R	aisa Beyde	r C/O Ann	a Shtivel	berg	
2481 W Vliet Street			10.070		Mailing Add	ress of Prese	nt Owner		,		
Well City, Village or Town			Well ZIP				242	E Ravine	Bay Rd		
Milwaukee	· · · · · · · ·		53205 Lot #	-	City of Pres	ent Owner			State	ZIP Code	
Subdivision Name	•		LOI #			Bays	side		WI	53217-	
Reason For Removal From Service	n kati Hoja	ua Mall #	of Reniar	ement We	4. Pump,	Liner, Scree	n, Casing	& Sealir	ig Matei	ial	
	25 PAI OING	OC ANCH M	оттерые	Zentent 110	I	d piping remo	nued?			res 🗆 No	$[x]_{N/A}$
Sampling Complete	و موسطية زنين		<del></del>			emoved?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			res $\square_{No}$	$[x]_{N/A}$
3. Well / Drithole / Borehole	Original Co		Date /mi	m/dd/maan						res $\square$ No	$[x]_{N/A}$
Monitoring Well	Original Col	2/6/2		unaaryyyy	L .	ft in place?				res DNo	$[x]_{N/A}$
Water Well	15 146 19 0								1	res No	$[x]_{N/A}$
X Borehole / Drillhole	If a Well Co		n Kepak I	s avallable.	1	ng cut off belo			[x]		□ <sub>N/A</sub>
Construction Type:					1	ng material ris				fw1	∏ <sub>N/A</sub>
	Sandpoint)	Г	Dug			nai settie afte			[]`		[X] <sub>N/A</sub>
	• •	-	Dug			, was hole rel te chios were		thev hydra	'ted rı	∕es ∐No	I N/A
X Other (specify): Geoprobe						te chips were r from a know			ied [x]	∕es ∐No	<u> ∐N/A</u>
Formation Type:					1 —	ethod of Placir					
[X] Unconsolidated Formation		Bedrock	•		1	ctor Pipe-Gra		nductor Pi			
Total Well Depth From Ground St	rface (ft.) C	asing Dia	ameter (in	1.)		ned & Poured nite Chips)	[X] Ot	her (Explaii	n): Grav	vity	
14					Sealing Mat	erials		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Lower Drillhole Diameter (in.) 2	ŗ	asing De	pth (ft.)		☐ Neat C	Cement Grout		_	•	l Slurry (11 lb	-
L				<u>,</u>	Sand-	Cement (Cond	rete) Grout			Sand Slurry "	
Was well annular-space grouted?		<sub>Yes</sub> [	No E	Unknow	<sub>து</sub>   🎞 Concr				3entonite		
		to Water	(foot)		1	ng Wells and i	Monitoring V	<del></del>			
If yes, to what depth (feet)?	Сери	IO KADICI		_	X Bentor	,	F		te - Ceme		
		autoure site	12	<u></u>	L Granu	ar Bentonite	L	_ Sentonit	le - Sand	Sturry	
5. Material Used To Fill Well / D	rilihole				From (ft.)	To (ft.)	Lbs		2		
Bentonite Chips					Surface	14		21			
6. Comments	**************************************								7.444.004.		
Well abandoned by Geiss Soil Geoprobe boring G-4	& Samples,	LLC pers	sonnel un	der METO	O supervision.						
7. Supervision of Work	4. Ja. 1						1 CV 12	DI	VR Use	Only	
Name of Person or Firm Doing Fil	ling & Sealir	g Licens	se#	Date of	Filling & Sealin	g (mm/dd/yyy	y) Date Re			ed By	
Eric Dahl (METCO)		- J.			2/6/2017	•		113121.5 <u>.</u>	edalla		
Street or Route	·······-	<u> </u>			Telephone Nur	nber	Comme	nts			
709 Gillette Str	eet, Ste 3	•			(608)781-					taling in the	
City		State	ZIP Cod	e		Person Daing	g Work		Date	Signed	The state of the s
La Crosse		WI	54603	3-	12-	-//-	<del>-</del>			2/9/2017	
						_					

Eric Dahl (METCO)

La Crosse

709 Gillette Street, Ste 3

State

WI

ZIP Code

54603-

Street or Route

City

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2 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. Route to: X Remediation/Redevelopment **Drinking Water** Watershed/Wastewater Verification Only of Fill and Seal Waste Management Other: Facility / Owner Information 1. Well Location information WI Unique Well# of acility Name County licap # Removed Well **MILWAUKEE** acility ID (FID or PWS) Lattitude / Longitude (Degrees and Minutes) Method Code (see instructions) 341043340 2.9 icense/Permit/Monitoring # 56.7 GPS006 Driginal Well Owner Section ownship Range 1/4/1/4 SW SW Ē Raisa Beyder C/O Anna Shtivelberg or Gov't Lot# 19 7 22 resent Welt Owner Well Street Address Raisa Beyder C/O Anna Shtivelberg 2481 W Vliet Street Mailing Address of Present Owner Well ZIP Code Well City, Village or Town 242 E Ravine Bay Rd Milwaukee 53205-ZIP Code City of Present Owner State ot# Subdivision Name 53217-Bayside t. Pump, Liner, Screen, Casing & Sealing Material WI Unique Well # of Replacement Well Reason For Removal From Service Pump and piping removed? Sampling Complete Liner(s) removed? 3. Well / Drillhole / Borehole Information L No Screen removed? Original Construction Date (mm/dd/yyyy) Monitoring Well 2/6/2017 Casing left in place? Water Well Yes No. If a Well Construction Report is available, Was casing cut off below surface? please attach. X Borehole / Drillhole X<sub>Yes</sub> L No Did sealing material rise to surface? Yes X No Construction Type: Did material settle after 24 hours? Dug □No ☑N/A Drilled Driven (Sandpoint) If yes, was hole retopped? If bentonite chips were used, were they hydrated with water from a known safe source? X Other (specify): Geoprobe □No □N/A Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped X Unconsolidated Formation Bedrock Screened & Poured (Bentonite Chips) X Other (Explain): Gravity Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Sealing Materials 16 ☐ Clay-Sand Slumy (11 lb./gal. wt.) Casing Depth (ft.) Neat Cement Grout Lower Drillhole Diameter (in.) Bentonite-Sand Sturry " " Sand-Cement (Concrete) Grout Concrete Bentonite Chips Yes Unknown Was well annular space grouted? or Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? [X] Bentonite Chips Bentonite - Cement Grout 13.6 Granular Bentonite Bentonite - Sand Sturry From (ft.) To (ft) 5. Material Used To Fill Well / Drillhole Lbs. Surface 24 16 Bentonite Chips 6. Comments Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-5 **DNR Use Only** 7. Supervision of Work Date of Filting & Sealing (mm/dd/yyyy) Date Received Noted By Name of Person or Firm Doing Filling & Sealing 2/7/2017

Telephone Number

608) 781-8879

Signature of Person Doing Work

Comments

Date Signed

2/9/2017

709 Gillette Street, Ste 3

State

W

ZIP Code

54603-

City

La Crosse

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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 Route to: Drinking Water Watershed/Wastewater X Remediation/Redevelopment Verification Only of Fill and Seal Waste Management Other: 1. Well Location information Facility / Owner Information County WI Unique Well # of Hicap # acility Name Removed Well MILWAUKEE acility ID (FID or PWS) Lattitude / Longitude (Degrees and Minutes) Method Code (see instructions) 341043340 2.9 License/Permit/Monitoring # 56.7 GPS006 . W Onginal Well Owner 1/4 1 1/4 Section ownship SWRange [x] E Raisa Beyder C/O Anna Shtivelberg or Gov't Lot # 19 7 22 N W resent Well Owner Well Street Address Raisa Beyder C/O Anna Shtivelberg 2481 W Vliet Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 242 E Ravine Bay Rd Milwaukee 53205-City of Present Owner ZIP Code State Subdivision Name ot# 53217-Bayside Pump, Liner, Screen, Casing & Sealing Material WI Unique Well # of Replacement Well Reason For Removal From Service Vec Pump and piping removed? Sampling Complete Liner(s) removed? 3. Well / Drillhole / Borehole Information Original Construction Date (mm/dd/yyyy) Screen removed? Yes Monitoring Well 2/6/2017 Casing left in place? Water Weil If a Well Construction Report is available, Was casing cut off below surface? No X Borehole / Drillhole please attach. X<sub>Yes</sub> LINO Did sealing material rise to surface? Construction Type: Yes X No Did material settle after 24 hours? Dug Drilled Driven (Sandpoint) If yes, was hole retopped? ∐No If bentonite chips were used, were they hydrated with water from a known safe source? [X] Other (specify): Geoprobe required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped X Unconsolidated Formation Bedrock Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity Total Well Depth From Ground Surface (fl.) Casing Diameter (in.) ealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.) Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Bentonite Chips Concrete Unknown Yes \_\_No Was well annular space grouted? or Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) [X] Bentonite Chips Bentonite - Cement Grout 10 Granular Bentonite Bentonite - Sand Slurry 5. Material Used To Fill Well / Drillhole To (ft.) From (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 Date of Filling & Sealing (mm/dd/yyyy) Name of Person or Firm Doing Filling & Sealing Date Received Noted By 2/6/2017 Eric Dahl (METCO) Street or Route Telephone Number Comments

608) 781-8879

Signature of Person Doing Work

Date Signed

2/9/2017

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

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Route to:

☐ Verification Only of Fill	and Seal		=	sing Water te Manageme	nt 🔲	Watershed/W	/astewater	[X]Ren	nediation/Red	evelopment
1. Well Location Information	ingervalver. Filler bygger	s 444-744	t gert in v	Franklin (Sin)	2. Facility	// Owner In	formation			
County WI Uni	que Well # o	of Hi	cap#		Facility Nan	ne				
MILWAUKEE					Facility ID (	FID or PWS)		,,		A Security Control of the Control of
Lattitude / Longitude (Degrees an	d Minutes)	Method C	Code (se	e instructions	)	•	341043	3340		
43 • _2.9	'N				License/Per	mit/Monitorin				
87 - 56.7	w	<u>GI</u>	PS006_							
7/14 SW 7/4 SW	Section	Towns	ship R	ange [x] E	Original We		nica Rayder (	C/O Anna Shti	velhero	
or Gov't Lot#	19	7	N	22 🗂 w	Present We		aisa Deydei V	JO MINA ONI	Telber 6	
Well Street Address					Tresent we		aisa Revder	C/O Anna Sht	ivelherg	
2481 W Vliet Street					Mailing Add	ress of Prese		Ci O I I III I I		
Well City, Village or Town	· · · · · · · · · · · · · · · · · · ·		Well ZIF	Code	-1100010197100	,000 0, 1, 1000		E Ravine Bay	Rd	
Milwaukee			53205	5-	City of Pres	ent Owner		State		9
Subdivision Name			Lot#		, , , , , , , ,		side	wi	5321	
			<u> </u>		4 Dumn	The second secon		& Sealing M	3200 July 2000 177	
Reason For Removal From Service	e Wi Uniq	ue Well#	of Repla	cement Well		. Parancaer Char		w. D. J. III.		[v]
Sampling Complete						d piping remo	oved?		Land	No [X]N/A
3. Well / Drillhole / Borehole	Informatio	)n			Liner(s) r	emoved?				No [x] <sub>N/A</sub>
	Original Cor	nstruction	Date (m	m/dd/yyyy)	Screen re	emoved?			니Yes 니	No [X]N/A
Monitoring Well		2/6/2	017		Casing le	ft in place?			⊔Yes ⊔	No X N/A
Water Well	if a Well Co	onstructio	n Report	is available,	Was cas	ing cut off bel	low surface?			No XINA
X Borehole / Drillhole	please atta	ich.			Did seali	ng material ri:	se to surface	?	[X] <sub>Yes</sub> [	No ∐N/A
Construction Type:		_			Did mate	rial settle afte	er 24 hours?		Yes [X]	NO IN/A
Drilled Driven (	Sandpoint)		Dug			, was hole re			□ <sub>Yes</sub> □	No XINA
X Other (specify): Geoprobe	· !				If bentoni	te chips were r from a know	used, were t	hey hydrated	$[x]_{Yes}$	No ON/A
						thod of Placi			100	110 111/1
Formation Type:	_	٠					31.1	nductor Pipe-P	umped	
X Unconsolidated Formation		Bedroc			- Scree	ned & Poured		er (Explain): _		
Total Well Depth From Ground So		Casing Di	ameter (i	n.)		nite Chips)		cr (Expans).		
10		5( 5\	- 45 /63		Sealing Mat	enais Cement Grout		Псы	Sand Slurry (1	it its facilitati
Lower Drillhole Diameter (in.) 2	ľ	Casing De	epta (it.)			• • • • • • • • • • • • • • • • • • • •		<b>=</b> '	nite-Sand Slu	
		·				Cement (Con	Giele) Gioni	<del></del>	nite Chips	··· <i>y</i>
Was well annular space grouted?		Yes L	_No	Unknown	Concr		Monitorina M	all Boreholes ا	•	
If yes, to what depth (feet)?	Depth	to Water	(feet)	·······························	[X] Benton		Tomacon y T	Bentonite - C		
in year, to those darper (transp.			1	3		lar Bentonite	<u> </u>	Bentonite - S		
	Sirein in	Marke ser Ar Edua (186			45 FABRAST HESSELVEN	The state of the s	The			
5. Material Used To Fill Well / [	rillnoie				From (ft.)	To (ft.)	Lbs			<del></del>
Bentonite Chips					Surface	16		24		
	-					<u>                                     </u>				
						<u></u>		4 (46) 1 (14) 1 (14) 1 (14) 1 (14)		agadeg north
6. Comments					<u> </u>					u <u>a aguirti</u> a
Well abandoned by Geiss Soil Geoprobe boring G-7	& Samples,	LLC per	sonnel u	nder METC	) supervision	•				
7. Supervision of Work								1,000,000	lse Only	
Name of Person or Firm Doing Fi	ling & Seali	ng Licen	ıse#	Date of F	illing & Sealin	g (mm/dd/yy)	yy) Date Red	elved	Noted By	r viedro 1974) Katala a cinta
Eric Dahl (METCO)					2/6/2017		Sign Official		Lite 15 to the	de de la compansión de
Street or Route				Ţ	elephone Nur		Commen	ts		
709 Gillette Str	eet, Ste 3			(	608) 781-					
City		State	ZIP Co		Signature of	Person Doin	ig Work		Date Signed	0.4.84
La Crosse WI 54603-					2/9/2017					

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Page 1 of 2

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Route to:

☐ Verification Only o	of Fill a	and Seal		=	rinking Wa 'aste Mana			Watershed/V Other:	Vastewater	[X]Re	mediati	on/Rede	velopment
1. Well Location Inform	nation			at 2 mil	120.44		2. Facilit	// Owner Ir	formation	i operate en		20.03	
	WI Uniq Remove	ue Well #	of H	icap#			Facility Nan	ne		- And a second second second second second			
MILWAUKEE		o gven											
Lattitude / Longitude (Degre	ees and	Minutes)	Method (	Code (:	see instru	ctions)	Facility ID (	FID or PWS)		* 40			
43 • 2.9		'N		(		,			341043	340			
				nean			License/Per	mit/Monitorin	g#				
<u>87</u> · <u>56.7</u>		M		PS000			Ostala al IRIa	II Owner					
14114 SW 14 SW	7	Section	Town	snip	Range	x] E	Original We		aisa Beyder C	/O Anna Shi	fivelher		
or Gov't Let#		19	7	N	1 22 2	w	Present We		aisa Deydei C	70 Allia Sil	iverbei	В	····-
Well Street Address			THE PARTY OF THE P				tesent Me		laisa Beyder (	"/O Anna Sl	tivelhe	ra	
2481 W Vliet Street							htailina Add	ress of Prese		JO Allia Si	I TO TO C	<u>'8</u>	
Well City, Village or Town	7			Well 2	ZIP Code		Tridiisig / No	1000 011 1000		Ravine Bay	Rd		
Milwaukee				532	205-		City of Pres	ent Owner	2122	Stat		IP Code	<del></del>
Subdivision Name				Lot #			3, 3		side	w		53217-	
							4 Dumn	<u>र रूपिया प्रकार प्रकार प्रकार प्रकार प्रवर्षेत्र</u>	en, Casing &	MUSTER A LANG TENNER			
Reason For Removal From	Service	Wi Uniq	ue Well #	of Rep	placement	Well				· Againia.u	1		[v]
Sampling Complete							Pump an	d piping remo	oved?		L	man g	o [X] <sub>N/A</sub>
3. Well / Drillhole / Bore	ehole li	nformatio	n			100	Liner(s) r	emoved?			⊢Ye		lo [X] <sub>N/A</sub>
	C	original Cor	nstruction	) Date	(mm/dd/y)	ууу)	Screen re	emoved?			<u></u> ∐Ye	ᇰᆸ	
Monitoring Well	L		2/6/2	017			Casing le	ft in place?		WARE - AND	<u> Ц</u> <u>үе</u>	<u>s Цх</u>	o X NA
Water Well		lf a Well Co		n Repo	ort is availa	ible,	Was casi	ng cut off bel	ow surface?		Ye		O X N/A
X Borehole / Drillhole		please atta	ch.	····	<del>, . ,</del>		Did seali	ng material ris	se to surface?	•	$[x]_{Ye}$	s ЦN	lo LIN/A
onstruction Type:						Did mate	rial settle afte	r 24 hours?		□Ye	s [X]N	lo N/A	
Drilled D	riven (Sa	andpoint)	L	Dug	)			, was hole re			$\square_{Ye}$	s $\square_{N}$	o XIN/A
X Other (specify): Geo	probe						If benioni	te chips were	used, were the n safe source	ey hydrated	$[x]_{Ye}$	. <b>D</b> N	o $\square_{N/A}$
Formation Type:									ng Sealing Ma		,0		<u> </u>
		Г	1 Bedroc	ı.				ctor Pipe-Gra	· · ·	ductor Pipe-f	omped	ı	
X Unconsolidated Forma		<u>L</u>			- C- \	<del></del>	Screen	ned & Poured		r (Explain): _	,		
Total Well Depth From Grou	ила эап 16	race (II.) C	asing Di	ameter	(ar.)			nite Chips)		(explication _			
Lower Drillhole Diameter (in			asing De	anth (fi	1		Sealing Mate	enars Cement Grout		Clay	Sand S	Summe (14	lb./gal. wt.)
COMEL DIBINOIS PREMISES (IN	1., 2	ľ	aning ca	skar fer	-7			Cement (Conc	resto) Great			and Slum	
				<u> </u>			Concre	-	acte) Giont		onite Cl		,
Was well annular space gro	outed?	<u> </u>	Yes L	_l No	L Unk	nown	Transmit		Monitoring We			mpo	
If yes, to what depth (feet)?	·	Depth	to Water	(feet)			X Benton	-		Bentonite - 0	-	Grout	
					12.8			ar Bentonite	一	Bentonite - S			
5. Material Used To Fill W	SAN JENA	illikata	and State Section				From (ft.)	To (ft)	84 T	<u></u>			<u>.</u>
11 11 11 11 11 11 11 11 11 11 11 11 11	ren i Dr	IIIIII		P-43(\$1.4			12/12/13/2019	1	Lbs.				<del></del>
Bentonite Chips							Surface	16	2	4		<del></del>	
		<u> </u>											
								<u>[</u>		teraceur california i		of or the same	121 1 2155 T
6. Comments	<u> </u>							in in the parties.					4.40.00.14
Well abandoned by Geis Geoprobe boring G-8	s Soil &	Samples,	LLC per	sonnel	under Ml	ЕТСО	supervision.						
7. Supervision of Work				an St. Januar						DNR	Jse Oı	ıly	
Name of Person or Firm Doi	ing Fillin	ıg & Sealir	g Licen	se#	Date	e of Fill		mm/dd/yyy	y) Date Rece	lved	Noted	Ву	
Eric Dahl (METCO)							2/6/2017		Sa Marana		Line		
Street or Route							ephone Nur		Comments				
709 Gillet	tte Stree	et, Ste 3		.,			<u>08) 781-8</u>						i Sugar Service de la companya de la companya de la companya de la companya de la companya de la companya de l La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co
City			State	ZIP C		Signature of Person Doing Work Date Signed							
La Crosse WI 54603-					i	2/9/2017							

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

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Route to:

☐ Verification Only of F	ill and Seal		=	o: inking Water aste Manage	ment		Watershed/W	Vastewater	[7	K]Remed	iation/Rede	velopment
1. Well Location Informati	on-	w QLALy	day)	ir are	2. F	acilit	y / Owner In	formation				
County M (	Jnique Well #	of H	icap#			y Nan		Later any see personal	St. Longia para.	and the second	ar area governous	
MILWAUKEE	noved Well											
Lattitude / Longitude (Degrees	and Minutes)	Method	Code (s	eoo inetructic	Facili	y ID (I	FID or PWS)					
43 • 2.9	'N	Westing .	0000 (8	NOO RESERVE			3. 4. 4. 4. 4.	34104	3340			
87 _ • _ 56.7	w	G	PS006		_ Licen:	e/Per	rmit/Monitorin	g#				
741% SW 1/4 SW	Section	Town	ship	Range [x]	E Origin	al We	ll Owner					
or Gov't Lot #	19	7	N	~~ ==	187			isa Beyder	C/O Ann	a Shtivell	perg	
Well Street Address				,	Prese	nt We	ll Owner	aina Daudas	. C/O A	- Cháisaí	IL	
2481 W Vliet Street					Mailin	- Add		aisa Beyder	C/O An	па Зицуе	nerg	
Well City, Village or Town	William VIII THE THE THE THE THE THE THE THE THE THE	,	Well Z	IP Code		y Muu	ress of Prese		F Davin	e Bay Rd		
Milwaukee			532	05-	City o	Orac	ent Owner	24 <i>2</i>	E Navin	State	ZIP Code	
Subdivision Name			Lot#			rięş		nida.		WI	53217	
			1				Bay: Liner, Scree		0.00		<del></del>	eratur i
Reason For Removal From Sea	rvice WI Uniq	ue Well #	of Rep	lacement W	ell 4. Fr	imb, i	riner, ociet	m, casing	OC DEBII	ng mate	nai	
Sampling Complete					Put	np an	d piping remo	ved?		닏	Yes 📙 N	lo [X]N/A
3. Well / Drillhole / Boreho	And the Control of th					er(s) r	emoved?			닏	Yes 니N	lo [X]N/A
	Original Co	nstruction	Date (	mm/dd/yyyy	) Scr	een re	emoved?			닏	Yes 🖳 N	h [X] N/A
Monitoring Well	n-m	2/6/2	017	entral estate de la constantina	Cas	sing le	ft in place?			<u> <u> </u></u>	Yes LIN	lo [X] <sub>N/A</sub>
Water Well			л Керо	rt is available	. Wa	s casi	ng cut off bek	ow surface?	•			lo XIN/A
X Borehole / Drillhole	please atta	cn.			Did	sealir	ng material ris	se to surface	:?	X	Yes 🔲 N	
Construction Type:		-			Did	mater	rial settle afte	r 24 hours?			Yes [X]N	
Drilled Drive	n (Sandpoint)	L	Dug				, was hole rel				Yes ∐N	o XIN/A
X Other (specify): Geopro	be				- If b	≥ntonit : wate:	te chips were r from a know	used, were t n safe sourc	they hydra e?	ated [x]	Yes $\square_{N}$	o $\square_{\text{N/A}}$
Formation Type:							thod of Placin			· · · · · · · · · · · · · · · · · · ·		
X Unconsolidated Formation		Bedrock	k				ctor Pipe-Gra			ipe Pump		
Total Well Depth From Ground		asing Di	ameler	(in.)	$- \Box $	Screen Rento	ned & Poured nite Chips)	[X] Oth	er (Expla	in): Gra	vity	
*	16	•		` '	Sealin				**************			
Lower Drillhole Diameter (in.)		asing De	epth (ft.)	)		-	ement Grout			Clay-Sand	Slurry (11	lb./gal. wt.)
	2					and-(	Cement (Conc	rete) Grout		Bentonite-	Sand Slurr	y " "
Man well convior pages growter	<sub>12</sub>	Yes [	No	Unknow		Concre	ete			Bentonite	Chips	
Was well annular space grouted				tOllisio	For Mo		ng Wells and I	Monitoring M	/ell Borel:	noles Only	:	
If yes, to what depth (feet)?	Depth	to Water	(reet)			senton	lite Chips	Ļ	Benton	ite - Ceme	int Grout	
				12	L	anul:	ar Bentonite	<u> </u>	Benton	ite - Sand	Slurry	
5. Material Used To Fill Well :	Drillhole				Fron	(ft)	To (ft.)	Lbs.				;
Bentonite Chips					Sur	ace	16		24			
	,											
6. Comments		12.65							ray b.	ักล้ะใกรแก้ก็ต		a de la composição de l
Well abandoned by Geiss So Geoprobe boring G-9	il & Samples,	LLC per	sonnel 1	under MET	CO superv	ision.						
7. Supervision of Work						- 5314 - 5314			Ď	NR Usé	Only	
Name of Person or Firm Doing I	illing & Sealin	g Licen:	se#	Date of	Filling & S	ealing	mm/dd/yyy	y) Date Rec	eived	Note	ed By	
Eric Dahl (METCO)					2/7/2	017			West to	144	Minks	
Street or Route					Telephon			Commen	ts	vilgetti borduzt Til vyet sid s		
709 Gillette S	treet, Ste 3		.,		(608)			สวราชอย่างอย่าย อัวหญ่วกกระก			(king)	12.54 151 11.
City		State	ZIP C		Signati	ne of	Person Doing	Work		Date	Signed	_
La Crosse		WI	546	03-	14		1/2	·			2/9/201	7

City

La Crosse

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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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 Route to: X Remediation/Redevelopment Watershed/Wastewater Drinking Water Verification Only of Fill and Seal Waste Management Other: Facility / Owner Information 1. Well Location Information County VII Unique Well # of Hicao # acility Name Removed Well MILWAUKEE acility (D (FID or PWS) Method Code (see instructions) Lattitude / Longitude (Degrees and Minutes) 341043340 2.9 License/Permit/Monitoring# GPS006 56.7 Original Well Owner 1/411/4 Fownship SW SW Section Range [x] E Raisa Beyder C/O Anna Shtivelberg or Gov't Lot # 19 22 N W Present Well Owner Well Street Address Raisa Beyder C/O Anna Shtivelberg 2481 W Vliet Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 242 E Ravine Bay Rd Milwaukee 53205-City of Present Owner ZIP Code State Subdivision Name Lot # 53217-Bayside Pump, Liner, Screen, Casing & Sealing Material Wi Unique Well # of Replacement Well Reason For Removal From Service Yes LINO Pump and piping removed? Sampling Complete ]<sub>Yes</sub> □<sub>No</sub> [x]<sub>N/A</sub> Liner(s) removed? 3. Well / Drillhole / Borehole Information  $]_{\text{Yes}} \square_{\text{No}} [x]_{\text{N/A}}$ Original Construction Date (mm/dd/yyyy) Screen removed? Monitoring Well 2/6/2017 Casing left in place? Water Well Yes LINO If a Well Construction Report is available, Was casing cut off below surface? X Borehole / Drillhole please attach. [X]<sub>Yes</sub>  $\square_{No}$ Did sealing material rise to surface? Construction Type:  $]_{Yes}[x]_{No}$ Did material settle after 24 hours? Drilled Driven (Sandpoint) Llyes Ll No If yes, was hole retopped? If bentonite chips were used, were they hydrated with water from a known safe source? X Other (specify): Geoprobe Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped X Unconsolidated Formation Bedrock Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.) Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Concrete Bentonite Chips Yes INO Unknown Was well annular space grouted? or Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) X Bentonite Chips Bentonite - Cement Grout 12.3 Granular Bentonite Bentonite - Sand Slurry 5. Material Used To Fill Well / Drillhole From (ft.) To (ft.) Lbs. Surface Bentonite Chips 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** Date of Filling & Sealing (mm/dd/yyyy) Name of Person or Firm Doing Filling & Sealing Date Received Noted By 2/6/2017 Eric Dahl (METCO) Street or Route Telephone Number Comments 709 Gillette Street, Ste 3 (608) 781-8879

ZIP Code

54603-

Signature of Person Doing Work

State

WI

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of 2

Verification Only of F	Water anagen	rater Watershed/Wastewater X Remediation/Finagement Other:								
1. Well Location Informat		isosari vii		eles, ala	-44	// Owner In	formation	Kasalan a		
Take State of the	Unique Well # o	of Hic	ap#	Maria (J. 1995)	Facility Nan			# 3 LT # 2 LT # 2 LT # 2 LT # 2 LT # 2 LT # 2 LT # 2 LT # 2 LT # 2 L	proceeding to proceed a con-	<u> </u>
Rei	moved Well	ĺ								
MILWAUKEE Lattitude / Longitude (Degrees		Melbod Co	do loso inc	رمزاني ردا	Facility (D (I	ID or PWS)				
43 • 2.9	1	Menior Cr	N0 (800 KK	SU BEGO!			3410433	40		
	'N	CD	2007		License/Per	mit/Monitorin	g#			
<u>87</u> • <u>56.7</u> .	'W		<u> </u>		- Original Wa	II Owner				
7414 SW 74 SW	Section	Townsh	iip Range	[x] <sup>(</sup>	Original We		aisa Beyder C/C	O Anna Shtivel	berg	
or Gov't Lot #	19	7	N 22	<u> </u>	N Present We					
Well Street Address						R	laisa Beyder C/	O Anna Shtive	lberg	
2481 W Vliet Street					Mailing Add	ress of Prese	nt Owner			
Well City, Village or Town		ħ.	Nell ZIP Ca	de	_		242 E I	Ravine Bay Rd		
Milwaukee			53205-		City of Pres	ent Owner		State	ZIP Code	
Subdivision Name		ſ	_ot #			Bay	Commence of the Control of the Contr	WI	53217-	2015
Reason For Removal From Se	nice Wi Unia	ue Well # c	of Replacem	ent We	4. Pump,	Liner, Scre	en, Casing &	Sealing Mate	riel at the second	
Sampling Complete						d piping remo	oved?			[X] <sub>N/A</sub>
3. Well / Drillhole / Boreho	sia Informatio	<u> </u>	7. A		Liner(s) r				Yes No	$[x]_{N/A}$
<u> </u>	Original Cor		Date (mm/d	d/vyyy)	Screen re	moved?			Yes No	$[x]_{N/A}$
Manitoring Well		2/6/20		****	L L	ft in place?			Yes No	X <sub>N/A</sub>
Water Weil	if a Well Co		***************************************	vailable		ng cut off bel	ow surface?		Yes No	$[x]_{N/A}$
X Borehole / Drillhole	please atta	ch.	<u> </u>			_	se to surface?	[X]	Yes $\square_{No}$	□ <sub>N/A</sub>
Construction Type:						rial settle afte		[]	Yes [X]No	□N/A
Drilled Drive	en (Sandpoint)		Dug			, was hole re			Yes $\square_{No}$	$[X]_{N/A}$
X Other (specify): Geopr	obe				If bentoni	te chips were r from a know	used, were they in safe source?	y hydrated $[x]$	Yes No	□ <sub>N/A</sub>
Formation Type:							ng Sealing Mate			
X Unconsolidated Formatio	. г	Bedrock			☐ Condu	ctor Pipe-Gra	ivity 🔲 Condu	uctor Pipe-Pum	ped	
Total Well Depth From Ground		<del>-</del>	meter (in.)			ned & Poured nite Chips)	[X] Other	(Explain): Gra	vity	-
Total Well Depth From Cross	14		Court (Mily		Sealing Mat					
Lower Drillhole Diameter (in.)		asing Dep	th (ft.)			ement Grout		Clay-San	d Siurry (11 lb.	./gal. wt.)
· <b>, ,</b>	2				Sand-l	Cement (Cond	crete) Grout	Bentonite	-Sand Slurry *	
		yes	No 🔲	Unknov	Concre			Bentonite		
Was well annular space groute				O) III JOY	For Monitori		Monitoring Well			
If yes, to what depth (feet)?	Depth	to Water (i			X Bentor		<b>=</b>	entonite - Cem		
		villander en en en en en en en en en en en en en	12.4	(12 %) <b>4</b> (11) / (7)	The classes design very	ar Bentonite	E	ientonite - Sand	l Sturry	
<ol><li>Material Used To Fill Wel</li></ol>	l / Drillhola				From (fL)	To(ft)	Lbs.			
Bentonite Chips					Surface	14	21			
6. Comments			***					Zacili Smale	A A STATE OF THE S	
Well abandoned by Geiss S Geoprobe boring G-11	oil & Samples,	LLC perso	onnel under	· METO	CO supervision.					
7. Supervision of Work	ا الله الله الله الله الله الله الله ال							DNR Use		
Name of Person or Firm Doing	Filling & Sealin	g Licens	e#	Date of	Filling & Sealin	g (mm/dd/yy)	y) Date Recel	/ed No	ted By	
Eric Dahl (METCO)					2/6/2017					(100 (8 g v)) (100 (8 g v))
Street or Route	0				Telephone Nun		Comments	arii da ar ingga Markara	partingary distriction Dikeberation to be	
	Street, Ste 3	Cinic	ZIP Code		( 608 ) 781-6	8879 Petson Dojn	a Mark	المرابعة (1920) <b>مرا</b>	te Signed	
City La Crosse		State WI	54603-		Orginature Di	1 60011 00011	A 140IU	٦	2/9/2017	
Da CLUSSC .		1 '' 2	21002"			<u> </u>				

State of Wis., Dept. of Natural Resources

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Page 1 of 2

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Route to:

☐ Verification Only of Fil	l and Sea		=	inking Water aste Managen	nent	Watershed/W:   Other:	astewater	[X] Remed	liation/Redevelopn
1. Well Location Informatio	nie sie date.		ktyvi.	Nyaesy	2. Facili	ty / Owner Int	formation		avia 9. chifare
	nique Well #	of H	licap#		Facility Na	me			· · · · · · · · · · · · · · · · · · ·
MILWAUKEE Remo	ved Well								
Lattitude / Longitude (Degrees a	nd Minutes)	Method	Code (s	ee instruction	Facility ID	(FID or PWS)			
43 • 2.9	'N	, side in the	0000 (0				34104334	40	
			naaa		License/Pe	ermit/Monitoring	) #		
<u>87</u> • <u>56.7</u>	_ <u></u> _ w	<u> </u>	PS006	<u> </u>					
74174 SW 74 SW	Section	Town	ship	Range [x]	Original W		isa Beyder C/C	) Anna Shtivel	hera
or Gov't Lot #	19	7	N	22	W Present W		isa beyder C/C	Anna Ontiver	oci g
Well Street Address			2010-020-100-1		I IESCIII TYI		aisa Beyder C/0	O Anna Shtive	lhero
2481 W Vliet Street					Mailing Add	dress of Preser	<u> </u>	<u> </u>	
Well City, Village or Town			Well 2	ZIP Code		3,025 01 ( ,022,		avine Bay Rd	
Milwaukee			532	205-	City of Pre	sent Owner		State	ZIP Code
Subdivision Name			Lot#			Bays	ide	WI	53217-
	•		1		. 4. Pumn	Liner, Scree			
Reason For Removal From Serv	ice WI Uni	que Well #	f of Rep	lacement We	81 Jan - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	* xx	<u> </u>		
Sampling Complete					· <del>c.wof</del>	nd piping remov	ved?	.,	I homed by the
3. Well / Drillhole / Borehole			aria (ili	5 196 14 5 15 15 15 15 15 15 15 15 15 15 15 15 15		removed?			1 T (-)
Monitoring Well	Original Co			(mm/dd/yyyy)		removed?		. ["	
=		2/6/2				eft in place?			Yes No X
Water Well			я Керо	rt is available	1	sing cut off belo			Yes No X
X Borehole / Drillhole	please att	acri.			Did seal	ing material ris	e to surface?	ĮX.	Yes No
Construction Type:		-	<del></del>		1	erial settle after			Yes [X]No
5 - 3	(Sandpoint)	L	Dug			s, was hole ret			Yes □No X
X Other (specify): Geoprob	e	<u></u>	-///		- with wat	iite chips were t er from a knowr	ised, were they i safe source?	nyorated [X	Yes 🗆 No 🗀
Formation Type:					Required M	ethod of Placin	g Sealing Mate		
X Unconsolidated Formation	ſ	Bedroo	:k		Cond	uctor Pipe-Grav			
Total Well Depth From Ground S	urface (ft.)	— Casing D	iameter	(in.)		ened & Poured onite Chips)	X Other (	Explain): Gra	vity
	2			V7	Sealing Ma				····
Lower Drillhole Diameter (in.)		Casing D	epth (ft.	)		Cement Grout		Clay-San	id Slumy (11 lb./gal
, , ,	2	_			Sand	-Cement (Conci	rete) Grout	☐ Bentanite	-Sand Slurry " "
		[	] <sub>No</sub>	Unknow	Conc	rete		Bentonite	Chips
Was well annular space grouted		Yes L		Unidadov	For Monitor	ing Wells and N	tonitoring Well.	Boreholes Onl	y:
If yes, to what depth (feet)?	Depth	to Water	(feet)		X Bento	nite Chips	<u></u>	entonite - Cem	
				10.4	Grant	ular Bentonite	<u></u>	entonite - Sanc	Slurry
5. Material Used To Fill Well !	Drillhole				From (ft.)	To (ft.)	Lbs.		
Bentonite Chips	ନ୍ତ ବେ ଅଧାରଣପୁରତ୍ରି	ngagheir (Carthold At			Surface	12	18		<u> </u>
Dentonite Citips						1"	10		
						1			
6. Comments				1 MET			No. 18 No. 18		Property and Section 1
Well abandoned by Geiss Soil Geoprobe boring G-12	& Samples	, LLC per	rsonnel	under METC	U supervision			a companie de acti	
7. Supervision of Work						W. 2010.00		DNR Use	
Name of Person or Firm Doing F	illing & Seali	ng Licer	ise#	Date of	_	ng (mm/dd/yyy)	/) Date Recely	ea No	ted By
Eric Dahl (METCO)					2/6/2017		i in this collection is		nas i rozbació il ciclo. Desident
Street or Route	work Ster 4			:	Telephone Nu		Comments		
709 Gillette St	reet, Ste 3	Ciata	710.0	ممم	(608)781-		Mode	- 14 M	le Signed
City La Crosse		State WI	ZIP C	,0ae 603-	Signature 0	FPerson Doing	DAAOIR	Da l	2/9/2017
La Crosse		1 44.1	341	VUJ-		٠	_	I	ALTI AULI

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 o

Page 1 of 2

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Route to:

☐ Verification Only o	of Fill a	and Sea			inking Water aste Managa			Watershed/V	Vastewater	[3	K]Remedi	iation/Rede	evelopment
1. Well Location Inform	nation	id Victor tests o	ا در در درو دوه			2.	Facili	y / Owner Ir	formation	4.86	ent-ate		
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MILWAUKEE	Remove	d Well	ŀ										
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		'N		mann		Lic	ense/Pe	rmit/Monitorin	ıg#				
<u>87</u> • <u>56.7</u>		— , w	G	PS006	<u> </u>	_							
14/4 SW 14 SW	I	Section	Towr	ıship	Range [x]	E On	iginal We	ell Owner	ataa Daadaa	C(O. 4	- CL4II		
or Gov't Lot #		19	7	N		ـــاين	annt 18/	ell Owner	aisa Beyder	C/O Ann	a Shtivein	erg	<del> </del>
Well Street Address			***************************************		I		esent ave		laisa Beyder	C/O Am	na Chtival	haua	
2481 W Vliet Street						hda	ilina Ada	Iress of Prese		COAI	na Shtivei	nerg	
Well City, Village or Town				Well 2	ZIP Code	710	ming war	iloss ui Fiesc		E Rovina	Bay Rd		
Milwaukee				532	205-	Cit	v of Pres	ent Owner	272		State	ZIP Code	
Subdivision Name				Lot#			, 0,,,,,,,	Bay	side		WI	53217	
							Pumn	Liner, Scre	Carried Control of the Control of th	2 Cosli	1		The Riversia
Reason For Removal From	Service	: Wi Unio	ue Well i	# of Rep	olacement W	en				m neen	iiA warai		
Sampling Complete	V-000000000000000000000000000000000000						Pump ar	id piping remo	oved?				lo [X] <sub>N/A</sub>
3. Well / Drillhole / Bon		and the second second second		15 (1)			Liner(s) ı	removed?			片	Yes ∐N	lo [X] <sub>N/A</sub>
Monitoring Well	þ	riginal Co			(mm/dd/yyyy			emoved?				Yes 닖N	6 [X] <sub>N/A</sub>
<b>=</b> -	_	Walter Walter Walter Williams	2/6/2	<u> 2017 </u>			Casing le	eft in place?			<u></u> _	<u>Yes ∐N</u>	lo [X] <sub>N/A</sub>
Water Well				an Repo	nt is available	е, '	Was cas	ing cut off bel	ow surface?				lo X N/A
X Borehole / Drillhole	1	lease atta	cn.				Did seali	ng material ris	se to surface	?	[x]		lo ∐N/A
Construction Type:			г				Did mate	rial settle afte	r 24 hours?		ഥ	<sub>Yes</sub> [x] <sub>N</sub>	
Drilled D	riven (Sa	andpoint)	l	Dug				s, was hole re				res ∐N	lo XIN/A
X Other (specify): Geo	probe					;	f bentoni with wate	ite chips were r from a know	used, were ti n safe source	ney hydra 37	ated [x]	res 🔲 N	o □ <sub>N/A</sub>
Formation Type:								ethod of Placin					
X Unconsolidated Forma	ution	Г	Bedroo	:k			Condu	ıctor Pipe-Gra	vity 🔲 Cor	iductor P	ipe-Pump	ëd	
Total Well Depth From Grou		ace (ft.) k			· (in.)		Scree	ned & Poured inite Chips)	[x] <sub>Oth</sub>	er (Explai	in): Grav	vity	
, and the angle (1)	12	(,			(,	Sea	ling Mat						
Lower Drillhole Diameter (in	******	k	asing D	epth (ft.	}	—ĨÏ		ement Grout			Clay-Sand	Sturry (11	lb./gal. wt.)
·	2	1	_		•		Sand-	Cement (Cond	rete) Grout		•	Sand Slurr	
		<u> </u>	T	٦	П		Concr	-	,		Bentonite		•
Was well annular space gro	uted?		Yes L	No	Unkno	WIT FO	 Monitori	ng Wells and I	Monitoring Ve			•	
If yes, to what depth (feet)?		Depth	to Water	(feet)		[2	Bentor	nite Chips		Bentoni	ite - Ceme	nt Grout	
					10.6		Granui	lar Bentonite		Bentoni	ite - Sand	Slurry	
5. Material Used To Fill W	eli / Dri	lihole	entre viller Banner Sabit	anger eatings all of the second		Fi	om (ft.)	To (ft.)	Lbs.	The second of the second of the second			
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Dentource Cinps							u. Iucc	12		10			
												-	<del></del>
5. Comments		7.38-1.59			· · · · · · · · · · · · · · · ·		Turner Law, Stage			Con Fred	Die Autoria	Marie I Service	alify in which
Well abandoned by Geiss Geoprobe boring G-13	s Soil &	Samples,	LLC per	sonnel	under MET	CO sup	ervision.	* · · · · · · · · · · · · · · · · · · ·					
7. Supervision of Work			an all	: 4. 3			Line 1		The Commence of the Commence o	្សីស៊ីម៉ា <b>ព័</b>	NR Use (	vine	
Vame of Person or Firm Doi	ng Fillin	g & Sealir	g Licer	ise#	Date of	Fi  ina	& Sealin	g (mm/dd/yyy	y) Date Rec	20027 10122 17 3		d By	
Eric Dahl (METCO)	-		<b>~</b>   ***				6/2017	- · · · · · · · · · · · · · · · · · · ·					
Street or Route			1			_	one Nun	nber	Comment	<b>6</b>	in in the	(F-14-8) 3/45 P	100000000000000000000000000000000000000
709 Gillet	te Stree	t, Ste 3				1 .	) 781-8			ugyang.		arri di	
City	,		State	ZIP C	ode			Person Doing	Work	The Paris	Date	Signed	
La Crosse			WI	1	503-			-1/	<b>س</b> ر			2/9/201	7

State of Wis., Dept. of Natural Resources

#### Well / Drillhole / Borehole Filling & Sealing

dnr.wi.gov Form 3300-005 (R 4/08) Page 1 of 2 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 Route to: X Remediation/Redevelopment Drinking Water Watershed/Wastewater Verification Only of Fill and Seal Waste Management Other: Facility / Owner information 1. Well Location Information WI Unique Well # of Removed Well County Hicap # acility Name MILWAUKEE acility ID (FID or PWS) Method Code (see instructions) Lattitude / Longitude (Degrees and Minutes) 341043340 2.9 icense/Permit/Monitorino # GPS006 56.7 Original Well Owner 1/411/4 Section Fownship Range [x] ESW SW Raisa Beyder C/O Anna Shtivelberg 19 7 22 or Gov't Lot# N W resent Well Owner Well Street Address Raisa Beyder C/O Anna Shtivelberg 2481 W Vliet Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 242 E Ravine Bay Rd 53205-Milwaukee ZIP Code City of Present Owner State Subdivision Name ot# 53217-Bayside Pump, Liner, Screen, Casing & Sealing Material WI Unique Well # of Replacement Well Reason For Removal From Service Pump and piping removed? Νo Sampling Complete Liner(s) removed? 3. Well / Drillhole / Borehole Information □<sub>No</sub> \_\_Yes Original Construction Date (mm/dd/yyyy) Screen removed? Monitoring Well 2/7/2017 Casing left in place? Water Well If a Well Construction Report is available, L No Was casing cut off below surface? X Borehole / Driffhole please attach. X<sub>Yes</sub> LI No Did seating material rise to surface?  $\square_{\text{Ves}} [X]_{\text{No}}$ Construction Type: Did material settle after 24 hours? Dug □No Drilled Driven (Sandpoint) If yes, was hole retopped? If bentonite chips were used, were they hydrated with water from a known safe source? X Other (specify): Geoprobe ∐No Required Method of Placing Sealing Material Formation Type: Conductor Pipe-Gravity Conductor Pipe-Pumped Bedrock X Unconsolidated Formation Screened & Poured X Other (Explain): Gravity Total Well Depth From Ground Surface (ft.) Casing Diameter (in.) (Bentonite Chips) Sealing Materials Clay-Sand Slurry (11 lb./gal. wt.) Casing Depth (ft.) **Neat Cement Grout** Lower Drillhole Diameter (in.) Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " " Bentonite Chips Concrete Unknown Yes Was well annular space grouted? or Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite - Cement Grout X Bentonite Chips Bentonite - Sand Slumy 11 Granular Bentonite From (ft.) To (fL) 5. Material Used To Fill Well / Drillhole Lbs. Surface Bentonite Chips 12 18 6. Comments Well abandoned by Geiss Soil & Samples, LLC personnel under METCO supervision. Geoprobe boring G-14

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

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of

Page 1 of 2

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☐ Verification Only o	of Fill and	Seal	I ==	orinking Water Vaste Manage	ment	Watershed/\	Wastewater	[x]	Remedia	tion/Rede	velopment				
1. Well Location Inform	nation 🐇		instal (		2. Fac	ility / Owner I	nformation								
	WI Unique W		Hicap #		Facility I	Vame				V - named (n) salt .					
MILWAUKEE	Removed We	31									<u> </u>				
Lattitude / Longitude (Degr	and Minu	tee) Met	hod Code	leee instructio	Facility	D (FID or PWS)									
43 • 2.9	ees bile milie	'N	1104 0006	(See Herrer			34104	3340							
		."]	CIDCOO		License	Permit/Monitoria	ng#								
<u>87</u> • <u>56.7</u> · _		.w	GPS00			144-11-6		,							
14 SW 14 SW	/ Sect	ion T	ownship	Range [x]	E Unginai	Well Owner	taisa Beyder	C/O Anna	Shtivalha	ra					
or Gov't Lot #		9	7 h	1 22 2	Var	Well Owner	taisa Deyuci	C/O Allila	- Silliveibe	18					
Well Street Address					rieseiii		Raisa Beyder	· C/O Anna	Shtivelh	era					
2481 W Vliet Street					Mailing	Address of Pres		C/O/XIIII			<del>17 </del>				
Well City, Village or Town	- We-Witten teasurement		Well	ZIP Code	Tricking 2	1001665 011 165		E Ravine I	Bay Rd						
Milwaukee			53	3205-	City of P	resent Owner				IP Code					
Subdivision Name			Lot #	¥	7.,,		vside	- [	wı	53217					
					4 Pun	p, Liner, Scre	v	& Sealing		al					
Reason For Removal From	Service W	Unique V	Mell#ofRe	eplacement W	en -		*****				[v]				
Sampling Complete					1979-1-15	and piping rem	ioved?				lo [X]N/A				
3. Well / Drillhole / Box	ehole Infor	nation			Liner	s) removed?					lo [X] <sub>N/A</sub>				
	Origina			mm/dd/yyy	/) Scree										
Monitoring Well		4	2/7/2017		Casin	Casing left in place?									
Water Well			ruction Rep	ort is availabl	e. Was	casing cut off be	elow surface?	1	LΙγ		lo XI N/A				
X Borehole / Dnilhole	pleas	e attach.	<u></u>		Did s	ealing material r	ise to surface	?	$[X]_{\gamma}$		io ∐N/A				
Construction Type:			_		Did m	Did material settle after 24 hours?									
Drilled D	riven (Sandpo	oint)	Du	9		yes, was hole n			ЦΙγ	es LIN	lo XIN/A				
X Other (specify): Ger	probe				— If ben — with w	tonite chips were	e used, were l wn safe sourc	ihey hydrak e?	ed [x] <sub>Y</sub>	es 🔲	lo 🗆 N/A				
Formation Type:						Method of Plac									
[X] Unconsolidated Form	atian	T Re	edrock		☐ Co	nductor Pipe-Gr	avity 🔲 Co	nductor Pip	e-Pumpe	d					
Total Well Depth From Gro				er (in )		Screened & Poured [X] Other (Explain): Gravity									
Total West Deptil From City	16	(11.)	ng o ame	-u (u.v.)			***************************************	**************************************							
Lower Drillhole Diameter (in		Casir	ng Depth (	ft.)		Sealing Materials    Neat Cement Grout									
CONC. Difficolo didiciono. (	2			•••	Sa	Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "									
			П.,		□□∞	Concrete Rentonite Chins									
Was well annular space gr		Yes	∐No	Unkno	wn For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what depth (feet)?	C	epth to V	Vater (feet)	)	X Be	ntonite Chips		Bentonite	a - Cemer	t Grout					
				15.5	Gr	anular Bentonite		Bentonite	e - Sand S	luny					
5. Material Used To Fill V	Vall / Drillho	An Conservation			From (	ft) To(ft)	Lbs	_							
- The state of the		(Witting the the C	HERET GATE AND	A P. Digital Applied	Surfa	e i regionale de la compansión de la compansión de la compansión de la compansión de la compansión de la compa		24							
Bentonite Chips					Dane	10	<u> </u>	<i>4</i>							
'							<del>                                     </del>								
								Sugar 101991 1		91313861.E	. y year a comment				
6. Comments	0.105	_1T_	<u> </u>	J under ME3	CO emperais	ion	<u> Karanga Pilipina</u>	atterforging			n Asaka <u>na</u>				
Well abandoned by Gei Geoprobe boring G-15	ss Soil & San	ipies, LLC	C personno	et under WIE	. CO supervis	)UII.			tribula instanta						
7. Supervision of Work									R Use C						
Name of Person or Firm Do	ing Filling &	Sealing	License #	Date		aling (mm/dd/yy	∧y) Date Re	celved	Note	d'By	u en comaçõe de Referencia de				
Eric Dahl (METCO)		<u> </u>			2/7/20						la Willia				
Street or Route					Telephone		Commer	us.							
	tte Street, St				(608)78		241.0207.0 241.0207.0				2500 500 500 580 500 500				
City		Sta		Code	Signature of Person Doing Work Date Signed				17						
La Crosse			WI 5	4603-		/_				2/9/20	1/				

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 o

Page 1 of 2

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.

Route to:

☐ Verification Only o	of Fill a	nd Seal	]	=	Iking Water Ste Managem	ent 🔲	Watershed/W	Vastewater	[x]	Remedi	ation/Redeve	lopment
1. Well Location inform	nation		o sijara. <sub>Prope</sub> e			2. Facility	// Owner In	formation				rait.
	WI Uniq Remove	ue Well # o	f Hic	ap#		Facility Nam	е					
MILWAUKEE	Kemove	:a vyen										
Lattitude / Longitude (Degre	ees and	Minutes)	Method C	ode (se	e instruction	Facility ID (I s)	FID or PWS)	24104	22.40			
43 • 2.9		'N		,		<u> </u>	mit/Monitorin	34104	3340			<del></del>
87 • 56.7			GP	S006		License/Per	LEBIMANI OL MOUTH	9#				
		W				Original We	l Owner					
414 SW 4 SW	/	Section	Towns		Range [x] E	·   ~		aisa Beyder	C/O Anna	Shtivell	erg	
or Gov't Lot #		19	7	N	22 🗖 V	Present We	ll Owner			-	.,	
Well Street Address							R	laisa Beydei	C/O Anna	Shtivel	berg	
2481 W Vliet Street		THE OWNER OF THE OWNER OWNER OF THE OWNER O		(7) H 771	D C - J -	-Mailing Add	ress of Prese	nt Owner				
Well City, Village or Town				l .	P Code			242	E Ravine I	Bay Rd		
Milwaukee				5320 Lot#	15-	City of Pres	ent Owner		įs:	tate	ZIP Code	
Subdivision Name				COLIF		- W HILLOW BLOW I W. C.	Bay	ight of the same of the purposition	CONTROL SERVICE CONTROL CO	WI	53217-	difference in
Reason For Removal From	Service	- Ml Unia	ie Well#	of Repla	acement Wel	4. Pump,	Liner, Scree	en, Casing	& Sealing	) Mate	rial	
Sampling Complete							d piping remo	oved?			Yes 🔲 No	[X] <sub>N/A</sub>
3. Well / Drillhole / Bore	ahola li	aformatio	n -	9. 9.		<del>75 -</del>	emoved?				Yes 🔲 No	[X] <sub>N/A</sub>
<u> </u>		San Charles and Control of		Date (n	nm/dd/yyyy)	Screen re	moved?				Yes 🔲 No	$[x]_{N/A}$
Monitoring Well .	-		2/7/20		****	Casing le	ft in place?				Yes No	$[X]_{N/A}$
Water Well	T I	f a Well Co			t is available,		ng cut off bel	ow surface?			Yes No	$[x]_{N/A}$
[X] Borehole / Drilihole		please atta				1	ng material ris		_	X	Yes $\square_{No}$	$\square_{N/A}$
Construction Type:							rial settle afte				Yes [X]No	□ <sub>N/A</sub>
Drilled D	riven (S	andpoint)		Dug			, was hole re			***************************************	Yes $\square_{No}$	X <sub>N/A</sub>
X Other (specify): Geo	probe	, ,				If bentoni	te chips were r from a know	used, were	they hydrate	. فد	Yes 🗆 No	□N⁄A
					"		thod of Placi				163	1477
Formation Type:			1			1 —	ctor Pipe-Gra	· -	nductor Pip	e-Pump	ed	
X Unconsolidated Forma		<u> </u>	Bedrock		So 3	Screen	red & Poured		ner (Explain)	Gra	vity	
Total Well Depth From Grou	una sur 16	race (II.)	asıng Dia	meter (	(11.)	Sealing Mate	nite Chips)			-		
Lower Drillhole Diameter (ir			asing De	nth (ft )	<del></del>		ement Grout		Па	av-San	d Slumy (11 lt	Jal. wt.)
COME: Distillate Diguere: (ii	2	Ĭ	DONING DO	pur (my			Cement (Cond		F		-Sand Slurry	-
				T		T T CONCE	•	,		entonite	-	
Was well annular space gro	outed?	<u> </u>	res 🗀	No	Unknow	rt	ng Wells and :	Monitoring V	Vell Boreho	ies Only	r.	
If yes, to what depth (feet)?	5	Depth 1	to Water (	(feet)		[X] Bentor	ite Chips		Bentonite	- Cem	ent Grout	
				1	15	☐ Granu	ar Bentonite		Bentonite	- Sand	Slurry	
5. Material Used To Fill V	Yell / Dr	illhole		e folged i	1000	From (ft.)	To (ft.)	Lbs	•	,		
44 - A 14	resileadh.		endiginal te br	Tradition.		Surface	16	13:1	24		·	<del></del>
Bentonite Chips						Burraco	10		27			
						_				<del></del>		
6. Comments		rangera richa				3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				i jiya	38 (2. Jan 19) (1.	
Well abandoned by Geis Geoprobe boring G-16	s Soil &	Samples,	LLC pers	onnel u	ınder METC	O supervision.	<u>granding and the second sectors of the sectors of the second sectors of the sectors of</u>		S ALISSON LOSSAL NO T	***************************************	- Called - Called Act for	
7. Supervision of Work				1 V 117			Control of the Contro		DN DN	R Use	Only	/ B. Z. N.
Name of Person or Firm Do		ng & Sealin	a Licens	e#	Date of	Filling & Sealin	g (mm/dd/vvv	/y) Date Re			ed By	
Eric Dahl (METCO)	g r and	· g	~ [~~~			2/7/2017	_ ,,,,,					2 - 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Street or Route						Telephone Nun	nber	Comme	its in the state		<b>B</b> restantes	arente o
709 Gille	tte Stree	et, Ste 3				(608)781-						
City			State	ZIP Co	ode		Person Doin	g Work		Dat	e Signed	WATER AND TO SHAPE OF THE SHAPE
La Crosse			WI	546	03-	4	In		·		2/9/2017	

### Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 or

Page 1 of 2

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.

Route to:

Verification Only of Fi	ll and Sea	- 1	Drinking Waste Ma		nt 🔲	Watershed/W	astewater	[x]	Remedia	ation/Redev	elopment
1. Well Location Information	n ale		stert a vive		2. Facilit	y / Owner In	formation	4 (2)	e partiti		
	nique Well # oved Well	of H	icap#	to a state of the	Facility Nar				***********		
MILWAUKEE					Facility ID (	FID or PWS)					
Lattitude / Longitude (Degrees a	nd Minutes)	Method (	Code (see ins	tructions)	T aciniy ic (	110011110)	34104	3340			
43 • _2.9	'N	1			License/Per	rmit/Monitorine	***	3340	·	<del></del>	
<u>87</u> · <u>56.7</u>	<u> </u>	G	PS006								<u> </u>
14/4 SW 14 SW	Section	Town	ship Range	[x] E	Original We		isa Beyder (	C/O Anna S	Shtivalh	ara	
or Gov't Lot #	19	7	N 22	ΜĦ	Present We		isa Deydei	C/O Alina i	JILI VEID	erg	
Well Street Address	NA ALAN MARIANTA				-resent we		aisa Beyder	C/O Anna	Shtivell	harm	
2481 W Vliet Street					Mailing Add	ress of Prese		C/O Allila	BIRTYCI	Jei g	
Well City, Village or Town			Well ZIP Co	de	Triaming Action	1000 01 1000		E Ravine B	av Rd		
Milwaukee .			53205-		City of Pres	ent Owner	242			ZIP Code	
Subdivision Name			Lot#			Bays	ida		WI	53217-	
					4 Ouron	Liner, Scree			20.20 28.12		filitis etc
Reason For Removal From Sen	rice WI Unio	jue Well#	of Replaceme	ent Well	s. Chitiba	Lines, Octob	ii, vasiiy	A Southly	Medie	[9] —	Tari
Sampling Complete				_	Pump an	id piping remo	ved?			′es ∐No	
3. Well / Drillhole / Borehol	e Informatio	on "	SA, S.		Liner(s) r	emoved?			<u> </u>	res ∐No	
	Original Co	nstruction	Date (mm/de	i/yyyy)	Screen n	emoved?			<u></u> Y	es No	
Monitoring Well		2/7/2	2017		Casing le	eft in place?			<u></u>	<u>′es ∐No</u>	[X] <sub>N/A</sub>
Water Weil	if a Well C	onstructio	л Report is av	ailable,	Was cas	ing cut off belo	w surface?		$\Box$	es 🗆 No	$[x]_{N/A}$
X Borehole / Drillhole	please atta	ich.			Did seali	ng material ris	e to surface	?	$[X]_{Y}$	′es □No	$\square_{NA}$
Construction Type:		_	_			rial settle after				es [x] <sub>No</sub>	. □ <sub>N/A</sub>
Dritted Driven	(Sandpoint)		Dug		if yes	, was hole ret	opped?		$\Box_{Y}$	es 🗆 No	X N/A
X Other (specify): Geoprob	e				if bentoni	te chips were i r from a knowr	used, were ti	ney hydrate	$^{d}[x]_{Y}$	es 🗆 No	
Formation Type:						ethod of Placin			P4 \$	US	
	· -		ı.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ctor Pipe-Grav	· ,	iductor Pipe	a-Pumoi	≅d	
X Unconsolidated Formation		Bedroc			Scree	ned & Poured		er (Explain)			
Total Well Depth From Ground S		asing U	ameter (in.)			nite Chips)		or (endprenti)	,		
	6	Sasina De	militar (All )		Seating Mat			Па	******	Cl (4.4.1	n formal rest b
Lower Drillhole Diameter (in.)	2	Casing De	sper (ic.)			Cement Grout	mata) Casad	_	_	Slurry (11 I Sand Slurry	
		····			Concr	Cement (Cond	rete) Grout	_	ntonite (	•	
Was well annular space grouted	? 📙	Yes L	_No L_U	Inknown		ng Wells and II	Monitorina M			•	
If yes, to what depth (feet)?	Depth	to Water	(feet)	* - (m. = 1 m. ) (m. ) (m. ) (m. )	[X] Benton		riotinosing Vi	Bentonite	-		
			13		Granul	ar Bentonite	<del> </del>	Bentonite			
5. Material Used To Fill Well /	Non-State	andre a la companie		a de la Carlo de la Carlo de la Carlo de la Carlo de la Carlo de la Carlo de la Carlo de la Carlo de la Carlo d Managenta de la Carlo de l	From (ft.)	To (ft.)	23		Cura		<del>(21601 - 191</del>
The open graphs to a visit and appropriate section of the con-	DENIMOIA						Lbs.				
Bentonite Chips					Surface	16	. ,	24			
	*										
S. Comments					. which is the second						
Well abandoned by Geiss Soi Geoprobe boring G-17	l & Samples,	LLC per	sonnel under	METCO	supervision.						
7. Supervision of Work	yerin 14, Ev							DNE	t Use (	Only	2011 1814
Name of Person or Firm Doing F	illing & Sealir	ng Licen	se# D	ate of Fil	ling & Sealin	g (mm/dd/yyy)	/) Date Rec			d By	
Eric Dahl (METCO)	-				2/7/2017	****					
Street or Route			······································	Те	lephone Nun	nber	Comment	<b>៖</b> ដែលក្រុមបំ	ndi 514	e de la composition de	
709 Gillette St	reet, Ste 3			(	608) 781-	8879		Harapığı il			
City	, · · · , · · · · · · · · · · · · · · ·	State	ZIP Code				Work		Date	Signed	
City State ZP Code S La Crosse WI 54603-				Signature of Person Boing Work Date Signed 2/9/2017							

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

### DKS Transport Services, LLC

N7349 548th Street Menomonie, WI 54751

715-556-2604

INVOIC	$\mathbf{E}$
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3-29

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CUSTOMER	JOB NAME
METGO & RaisA Bayler	- Anto Ropav au Viet
709 GUHO 5+	
La Crose WF 54603	
CASH CHECK #	N-HOUSE CCOUNT

QUANTITY DATE SHIP		ату.	HAUT DE	NOE	45401	MT
DATE SHIP		QIY.	UNIT PE	ICE	AMOU	M I
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upon receipt of it	Notice					
per month Servi	ce Charge (18% Annual Percentage Rate) will be added to past due accounts.	1	TO	TAL	870	5

Investigative Washe Disposal Newwood 3/29/17 Site Investigation Report - METCO Auto Repair on Vliet APPENDIX E/ OTHER DOCUMENTATION

#### LUST and Petroleum Analytical and QA Guidence July 1993 Revision

Petroleum Substance Discharged	Analysis of Samples Collected for UST Tank Closure Assessments	Solid Waste Program Requirements for Soils to be landfilled <sup>5</sup>	Site Investigation, Pretreatment and Posttreatment Sample Analysis'
Regular Gasoline	GRO²	Free Liquids <sup>6</sup> GRO Benzene <sup>7</sup> Pb <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	GRO VOC/PVOC <sup>15</sup> Pb <sup>12</sup>
Unleaded Gasoline; Grades 80 100, and 100 LL (Low Lead) Aviation Fuel	GRO²	Free Liquids <sup>6</sup> GRO Benzene <sup>7</sup> Pb <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	GRO PVOC
Diesel; Jet Fuels; and No's 1, 2, and 4 Fuel Oil	DRO <sup>3</sup>	Free Liquids <sup>6</sup> DRO Benzene <sup>7</sup> Haz. Waste Deter. <sup>8</sup>	DRO³ PVOC PAH <sup>I3</sup> <sup>14</sup>
Crude Oil; Lubricating Oils; No. 6 Fuel Oil	DRO³	Free Liquids <sup>6</sup> DRO Haz. Waste Deter. <sup>8</sup>	DRO <sup>3</sup> PAH <sup>13-14</sup>
Unknown Petroleum	GRO <sup>7</sup> and DRO <sup>3</sup> <sup>4</sup>	Free Liquids <sup>6</sup> GRO and DRO Pb, Cd <sup>7</sup> Haz. Waste Deter. <sup>8</sup> CN <sup>19</sup> S <sup>2 10</sup>	GRO and DRO <sup>3 4</sup> VOC/PVOC <sup>15</sup> PAH <sup>13 14</sup> Pb, Cd <sup>12</sup>
Waste Oil	DRO³	Free Liquids <sup>6</sup> DRÓ Pb, Cd <sup>7</sup> Haz. Waste Deter. <sup>8</sup> CN <sup>19</sup> S <sup>2 10</sup>	DRO <sup>3</sup> VOC/PVOC <sup>15</sup> PAH <sup>13 14</sup> PCBs <sup>16</sup> Pb, Cd <sup>12</sup>

#### 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

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 H₂SO <sub>4</sub>	28 days		
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.		
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H₂SO₄	28 days		
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days		
Cyanide SW846 9012A/SM4500-CN-C		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 <sub>3</sub>	180 days		
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>	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 H₂SO <sub>4</sub>	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 H₂SO <sub>4</sub>	28 days		
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H₂SO₄ or HCL	28 days		
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>	28 days		
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H₂SO <sub>4</sub>	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	10 10 10 10 10 10 10 10 10 10 10 10 10 1	<u> </u>	Actual Exercises		
Metals	250 mL HDPE	4°C, pH<2 with HNO <sub>3</sub>	6 months		
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO <sub>3</sub>	28 days		
DRGANICS			gewone is not given dought research of the		
Semivolatiles SW846 8270C	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	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 fined cap	4°C, 5 mL 50% HCi	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% HCI, 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 Tefton 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% HCI prior to adding sample to jar	14 days		
PVOC	(2) 40 mL glass vials with Teffon 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

	Original		Holding Times from Date and Time of Collection					
Test	Sample Container	Preserved	Solvent Addition	Shipping	Extraction	Analysis		
METALS		40.			and the second s	en in the state which		
Metals	2 oz glass or soil cup		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	on a finalism			a talmakan				
Any combinations of GRO, VOC, PVOC	1- tared VOC vial with 10 mls methanol, 13 grams of soil collected with syringe		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		
Semivolatile 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://lepa-prgs.ornl.gov/legi-bin/chemicals/cs/\_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 RSt, Users Guide).

8asis: 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.uege.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:

Contaminant  Benzene thythenzene foluene kylenes			4			62		Comparison /	Hazard Index	/ Cumulative Cancer Target CR used:
Benzene Ethylbenzene Foluene		20121		Company of the Compan	Charles and Comp					1.00E-06
Ethylbenzene Foluene	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)	Flag E = .Individual .Exceedancel	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
foluene	71-43-2		,1.600	,1.600						
	100-41-4 108-88-3		,8.020	,8.020 ,818.000						Participant
	1330-20-7			,260.000						
viethyl tert-Butyl Ether (MTBE)	1634-04-4		,63.800	,63.800		-			~==	
Dichloroethane, 1,2- Dibromoethane, 1,2-	107-06-2 106-93-4		,.652	, 652 , 050		<u> </u>		3.12 letter (***) (**) 14 letter (**) (**)		
richloroethylene	79-01-6		,,030	,1.300						
etrachloroethylene	127-18-4	,109.000	33.000	.33.000				10 mm 10 mm		and the second s
/inyl Chloride	75-01-4		067	,.067		1		Latte Full Time!		ACID OS ACIDADA TOAS
Dichloroethylene, 1,1-	75-35-4 156-60-5	,320.000 1,560.000	<u></u>	,320.000 1,560.000				YELLOW TO THE		
Dichlorgethylene, 1,2-trans- Dichlorgethylene, 1,2-cis-	156-59-2	,156.000	<del></del>	,156.000						
richloroethane, 1,1,1-	71-55-6		-	,640.000						and the party of the state of t
arbon Tetrachloride .	56-23-5	.131.000	,.916	_,.916				1555 T. 10 (15)		
rimethylbenzene, 1,2,4-	95-63-6		•	,219.000					إسليك والسلسا	
rimethylbenzene, 1,3,5- laphthalene	108-67-8 91-20-3	,339.000 ,178.000	,5.520	,182.000 ,5.520				77		
enzo[a]pyrene	50-32-8	,17.800	,115	_, 115				Ziningia.		
cenaphthene	83-32-9	3,590.000		3,590.000	nc			Notice may be compared to the		Agents of the second se
cenaphthylene	208-96-8	47,000,000		47.000.000				919		(Walter State of Stat
nthracene enz[a]anthracene	120-12-7 56-55-3	17,900.000	,1.140	17,900.000 ,1.140			<del></del>	Section 1		7-010
enzjajannracene enzo(j)fluoranthene	205-82-3		_424	,1.140						
enzo[b]fluoranthene	205-99-2		,1,150	,1.150				Character and the second		namananya ny ny fisika ya ninananya manaya ifa ng
enzo[g,h,i]perylene	191-24-2					•	-	agg - 11 (2011) \$75		
enzo[k]fluoranthene hrysene	207-08-9 218-01-9		.11.500 .115.000	,11,500 ,11 <u>5,00</u> 0						
ibenz[a,h]anthracene	53-70-3		.115	,115.	ca ca			lagryn januar (time) a par	deplementation of the second	- Andrewson and the second second
benzo(a,e)pyrene	192-65-4		, 042	.042	ca			washing a season of the season	****	and a similar control of the similar
methylbenz(a)anthracene, 7,12-	57-97-6		4.59E-04	4.59E-04	ca					
uoranthene	206-44-0	2,390.000 - 2,390.000 -		2,390.000						
uorene deno[1,2,3-cd]pyrene	86-73-7 193-39-5		,1.150	2,390.000 1.150	nc ca					
ethylnaphthalene, 1-	90-12-0	4,180.000	17.600	,17.600	ca				3	
ethylпарhthalene, 2-	91-57-6	,239.000 -		,239.000	пс					
tropyrene, 4-	57835-92-4	<u> </u>	.424	,.424	Сä			X0040000000000000000000000000000000000		
erylene nenanthrene	198-55-0 - 85-01-8 -									فالمسك المستسمان
rend	129-00-0	1,790.000 -		1,790.000	nc					
ad and Compounds	7439-92-1	,400.000 -		.400.000		,52.		A part of the production of the part of	and the second	
omobenzene	108-86-1	342.000 -		,342,000	nc					
omodichloromethane	75-27-4 75-25-2	1,560.000	.418	,418. ,25.400	ca		<del></del>			
omoform tylbenzene, n-	104-51-8	3,910.000 -	,23.400	,108.000	Csat					The second secon
itylbenzene, sec-	135-98-8	7,820.000 -		,145.000	Csat					Art fiftee in good and the order production of
tylbenzene, tert-	98-06-6	7,820.000 -		,183.000	Csat					
forobenzene	108-90-7	.370.000 -	454	370.000	пь					سيتميا خياب تنسيسيني
loroform foromethane	67-66-3 74-87-3	,259.000 ,159.000 -		,454 ,159.000	ca nc					
lorotoluene, o-	95-49-8	1,560,000 -		,907.000	Csat			ur er er et d		
forotoluene, p-	106-43-4	1,560.000 -		,253.000	Csat					
romo-3-chioropropane, 1,2-	96-12-8	,5.960	.008	800.,	ca					yesanii 1
oromochloromethane chlorobenzene, 1,2-	124-48-1 95-50-1	1,560.000 2,350.000 -	,8.280	,8.280 ,376.000	Csat	·			e Lagal	
chioropenzene, 1,2-	541-73-1 -	2,350.000 -		.297.000	Csat					AL SPECIAL STREET
hlorobenzene, 1,4-	106-46-7	3,810.000	,3.740	,3.740	ca				teritoria de la composición dela composición de la composición de la composición dela composición dela composición dela composición dela composición de la composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composició	
hlorodifluoromethane	75-71-8	,126.000 -		,126.000	nc			April 100 April		
hloroethane, 1,1-		15,600.000	,5.060 .406	,5,060	ca				69848162340	ud Saldonin eri della (1911). Historia
hloropropane, 1,2- hloropropane, 1,3-	78-87-5 142-28-9	,22.600 1,560.000 -	.406	,406 1,490.000	Csat					
hloropropane, 2,2-	594-20-7 -			,191.000	Csat				0	
sopropyl Ether	108-20-3	3,220.000 -		2,260.000	Csat			and State of the s		
kachlorobutadiene	87-68-3	,78.200	,1.630	1.630	Ca			ogenskietet		
propylloluene, p- thylene Chloride	99-87-6 - 75-09-2	379.000	,61.800	,162.000 ,61.800	Csat			angung vide (F	ARTON AND A STATE OF	1.15279-515-017-01/01
rachloroethane, 1,1,1,2-	630-20-6	2,350.000	,2.780	,2.780	ca j					and the second second
rachloroethane, 1,1,2,2-	79-34-5	1,560.000	.810	,.810	ca					A CONTRACTOR OF THE PARTY OF TH
chlorobenzene, 1,2,3-	87-61-6	62.600 -	04.000	62.600	пс				mang 1227. E	
chlorobenzene, 1,2,4- chloroethane, 1,1,2-	120-82-1 79-00-5	,80.800 ,2.160	,24.000 ,1.590	,24.000 ,1.590	ca ca					
chioroetnane, 1,1,2- chlorofluoromethane		3,500.000 -	,1.000	1,230.000	ca Csat					
				.,				manning L	racaron h	
(1Chem(DRO)	Wis. DRO									
t2Chem(GRO)	Wis. GRO									11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -
(3Chem(TPH)	TPH									
a DRDTS No. Hero (# Vincum)			Eva	andance Cour	I / Harord!	ndex / Cumulativ	A Cancer Blake	0	0.00E+00	0.005+00
e BRRTS No. Here (If Known)			EXC	escance Coun	ir ( + 1828fO (	iver i Chindlalla	- Canter MSK:	U	0.002*00	0.00E+00
				TA	Page date	a must meet all	these criterio:	Exceedance	н	Comulative CR
				10	, 422, 08ti	a must meet all	mese criteria:	Count = 0	≤ 1.0	≤ 1e-05
	3 75 23 55	352.35.24	В	ottom-Line:						
	riej.		-9.19				Soil Da	ata Entry Needed!		

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 Elag E Data Max Individu (mg/kg) Exceedan	al Assess groundwa
Acetochfor	34256-82-1	-	7	5.58E-03		1.12E-02		
Acetone	67-64-1	-	9000	1.85E+00		3.69E+00		
Alachior	15972-60-8	2	2	1.65E-03		3.30E-03		
Aldicarb	116-06-3	3	10	2.49E-03		4.99E-03		4 600 666 666
Aluminum	7429-90-5	<del>-</del>	200	3.01E+02		6.01E+02		- 73
Antimony	7440-36-0	6	6	2.71E-01		5.42E-01		
Anthracene	120-12-7		3000	9.84E+01		1.97E+02	e e e e e e e e e e e e e e e e e e e	1 75
Arsenic	7440-38-2	10	10	2.92E-01		5.84E-01		- 5- M
Afrazine, total chlorinated residues	1912-24-9	3 2000	3 2000	1.95E-03 8.24E+01		3.90E-03		
Barium Bentazon	7440-39-3 25057-89-0	2000	300	6.59E-02	<del></del>	1.65E+02 1.32E-01	### (#################################	William William Committee
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-03		4.70E-01		12. 12. 12. 12.
Benzo(b)fluoranthene (PAH)	205-99-2	0.2	0.2	2.40E-0.1		4.80E-01		ATT A A
Beryllium	7440-41-7	4	4	3.16E+00		6.32E+00		60.4.1) 1/4.4.39
Boron	7440-42-8	<del></del>	1000	3.20E+00		6.40E+00		17544 17544
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04		3.26E-04	및 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 159
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		5 12 M
Butvlate	2008-41-5	-	400	3.88E-01		7.76E-01		
Cadmium	7440-43-9		5	3.76E-01		7.70E-01 7.52E-01	HARRIST AND THE	Markaid Process Control of
Carbaryl	63-25-2	-	40	3.64E-02		7.27E-02		
Carbofuran	1563-66-2	40	40	1.56E-02		3,12E-02		1.0000 1.0000 1.0000
Carbon disulfide	75-15-0	-	1000	2.97E-01	•	5,93E-01	a contract the contract to the contract to the contract to the contract to the contract to the contract to the	2.000k
Carbon tetrachloride	56-23-5	5	5	1.94E-03		3.88E-03		
Chloramben	133-90-4		150	3.63E-02		7.27E-02	20,775,775	(A)
hlorodifluoromethane	75-45-6	-	7000	2.89E+00		5.79E+00		7 1 52 5 7 7 6 6 7 7 7 6
Chloroethane	75-00-3	-	400	1.13E-01		2.27E-01		CYCZ CYCZ 0/172
Chloroform (THM)	67-66-3	80	6	1.67E-03		3.33E-03		
Chlorpyrifos	2921-88-2	-	2	2.95E-02		5,90E-02		i i i i
Chloromethane	74-87-3		30	7.76E-03		1,55E-02		
Chromium (total)	7440-47-3	100	100	1.80E+05		3.60E+05		Re-assess if Cr-VI present
hrysene (PAH)	218-01-9		0.2	7.25E-02		1.45E-01		
obalt	7440-48-4	-	40	1.81E+00		3.62E+00		
opper	7440-50-8	1300	1300	4.58E+01		9.16E+01		
yanazine	21725-46-2	-	1	4.68E-04		9.37E-04		
yanide, free	57-12-5	200	200	2.02E+00		4.04E+00		Constitution of the consti
acthal (DCPA)	1861-32-1	-	70	8.56E-02		1.71E-01	E. Grander	
2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05		2.82E-05		
promochloromethane (THM)	124-48-1	80	60	1.60E-02		3.20E-02		
-Dibramo-3-chiloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05		1.73E-04	in the factor of	AV.
ibutyl phthalate	84-74-2	-	1000	2.52E+00	•	5.04E+00		lit.
icamba	1918-00-9	-	300	7.76E-02		1.55E-01	eur et de s	15 Fr
2-Dichlorobenzene	95-50-1	600	600	5.84E-01		1.17E+00		
3-Dichlorobenzene	541-73-1		600	5.76E-01		1.15E+00_		<u> </u>
4-Dichlorobenzene	106-46-7	75	75	7.20E-02		1.44E-01		Ě
chlorodifluoromethane	75-71-8	-	1000	1.54E+00		3.08E+00		M.
1-Dichloroethane	75-34-3	-	850	2.42E-01		4.84E-01		2.5. 2.5. 2.5.
2-Dichloroethane	107-06-2	5	5	1.42E-03		2.84E-03		
-Dichloroethylene	75-35-4	7	7	2.51E-03		5.02E-03	Follow Committee of the	27 27
-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02		4.12E-02		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Dichloroethylene (trans)	156-60-5	100	100	2.94E-02		5,88E-02		
Schlorophenoxyaceuc acid (2.4-D)	94-75-7	70	70	1.81E-02		3.62E-02		Ÿ.
?-Dichloropropane	78-87-5	5	5	1.66E-03		3.32E-03	ever en de la company	20:
chloropropene (cis/krans) (Fetone)	542-75-6	<del></del>	0.4	1.43E-04		2.85E-04		12
2-ethylhexyt) phthalate	117-81-7	6	6	1.44E+00		2.88E+00		Ď
nethoate	60-51-5	-	2	4.51E-04		9.02E-04	<b>第</b> 法语统	
l-Dinitrotoluene	121-14-2	-	0.05	6.76E-05		1.35E-04	<b>第</b> 4 8 5 8	
-Dinitrotoluene	606-20-2	-	0.05	6.88E-05		1.38E-04		
ololuene, Total Residues	25321-14-6	- <u>-</u>	0.05	6.89E-05		1.38E-04		
oseb	88-85-7	7	7	6.15E-02		1,23E-01		Ä.
Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04		1.24E-03		: : :
dn (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05		3.00E-05		į
drin	72-20-8	2	2	8.08E-02		1.62E-01	THE RESERVE OF THE PARTY OF THE	- - 
тс	759-94-4		250	1.32E-01		2.64E-01		
ylbenzene	100-41-4	700	700	7.85E-01		1.57E+00	<b>Validado de la Composição do Composição do Composição do Composição do Composição do Composição do Composição</b>	<u>,                                     </u>
Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01		4.47E-01		
ylene glycol	107-21-1	-	14000	2.82E+00		5.64E+00		: : :
oranthene	206-44-0	-	400	4.44E+01	8	3.88E+01		
rene (PAH)	86-73-7		400	7.41E+00	Ť	.48E+01		

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 2.00 site-specific DF>	INPUT NUMERIC Site Flag E = Data Max Individual (mg/kg) Exceedance!
Fluoride	7782-41-4	4000	4000	6.01E+02	1.20E+03	- Constant de la cons
Fluorotrichloromethane	75-69-4	•	3490	2.23E+00	4.47E+00	: "The
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	All participations and the second second second second second second second second second second second second
Manganese	7439-96-5	-	300	1.96E+01	3.91E+01	
Mercury	7439-97-6	2	2	1.04E-01	2.08E-01	
•			5000	1.01E+00		
Methanol	67-56-1	-			2.03E+00	
Methoxychior	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	<u></u>	4000	8.39E-01	1.68E+00	The Control of Addition
Methyl isobulyl ketone (MIBK)	108-10-1	=	500	1.13E-01	2.26E-01	
Methyl tert-bulyl ether (MTBE)	1634-04-4	-	60	1.35E-02	2.70E-02	
Metofachlor/s-Metofachlor	51218-45-2	-	100	1.17E-01	2.34E-01	
Metribuzin	21087-64-9	=	70	2.14E-02	4.28E-02	1
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	
Vickel	7440-02-0	-	100	6.50E+00	1.30E+01	
HVitrosodiphenylamine (NDPA)	86-30-6	=	7	3.82E-02	7.64E-02	
Pentachlorophenol (PCP)	87-86-5	1	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	
	1336-36-3	0.5	0.03	4.69E-03	9.38E-03	
otychlorinated biphenyls (PCBs) 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	<del></del>	250	2.72E+01	5.45E+01	
Pyridine	110-86-1	-	10	3.44E-03	6.87E-03	그 그 사람이 가장하다
elenium	7782-49-2	50	50	2.60E-01	5.20E-01	market in the
	7440-22-4	50	50	4.25E-01	8.50E-01	
ilver			4			a shakifa wa
imazine	122-34-9	4		1.97E-03	3.94E-03	1 2 3 3 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5
tyrene	100-42-5	100	100	1.10E-01	2.20E-01	
ertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03	4.90E-03	
1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02	5.33E-02	
1,2,2-Telrachloroethane	79-34-5	-	0.2	7.80E-05	1.56E-04	
trachloroethylene (PCE)	127-18-4	5	5	2.27E-03	4.54E-03	
etrahydrofuran	109-99-9	-	50	1.11E-02	2.22E-02	e and the control of
hallium	7440-28-0	2	2	1.42E-01	2.84E-01	
oluene	108-88-3	1000	800	5.54E-01	1.11E+00	그리는 학생물 놓았다.
oxaphene	8001-35-2	3	3	4.64E-01	9.28E-01	
2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01	4.08E-01	i in a distribuiti
1,1-Trichforoethane	71-55-6	200	200	7.01E-02	1.40E-01	
1,2-Trichloroethane	79-00-5	5	5	1.62E-03	3.24E-03	사 (* 한 A4 : 편합 - 변화:
chloroethylene (TCE)	79-01-6	5	5	1.79E-03	3.58E-03	中,各份多增长。
=	93-72-1	50	50	2.75E-02	5.50E-02	
2 Triphenograph	96-18-4	-	60	2.60E-02	5.20E-02	
3-Trichloropropane	1582-09-8		7.5	2.48E-01		20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ifluralin or		-	1		4.95E-01	
	63-6 / 108-67-8	-	480	6.90E-01	1.38E+00	
nadium	7440-62-2	4		0.005.00		- 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
nyl chłoride	75-01-4	2	0.2	6.90E-05	1.38E-04	
nes (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 (exposure time) hour	24
ET (child exposure time) hour	24
ET (adult exposure time) hour	24
ET_, (mutagenic exposure time) hour	24
ET <sub>2.5</sub> (mutagenic exposure time) hour	24
ET <sub>6,6</sub> (mutagenic exposure time) hour	24
ET, <sub>s,2s</sub> (mutagenic exposure time) hour	24
ED (exposure duration) year	26
ED (exposure duration - child) year	6
ED (exposure duration - adult) year	20
ED <sub>a.2</sub> (mutagenic exposure duration) year	2
ED, (mutagenic exposure duration) year	4
ED (mutagenic exposure duration) year	10
ED <sub>16.26</sub> (mutagenic exposure duration) year	10
BW (body weight - child) kg	15
BW,,, (body weight - adult) kg	80
BW <sub>n</sub> , (mutagenic body weight) kg	15
BW , (mutagenic body weight) kg	15
BW <sub>s,s</sub> (mutagenic body weight) kg	80
BW, (mutagenic body weight) kg	80
SA <sub>res</sub> (skin surface area - child) cm ²/day	2373
SA <sub>res-a</sub> (skin surface area - adult) cm ²/day	6032
SA <sub>o-2</sub> (mutagenic skin surface area) cm <sup>-2</sup> /day	2373
SA <sub>2-6</sub> (mutagenic skin surface area) cm <sup>2</sup> /day	2373
SA <sub>6-16</sub> (mutagenic skin surface area) cm <sup>-2</sup> /day	6032
SA <sub>16-26</sub> (mutagenic skin surface area) cm ²/day	6032
EF, (exposure frequency) day/year	350
EF (exposure frequency - child) day/year	350
EF (exposure frequency - adult) day/year	350
EF <sub>0-2</sub> (mutagenic exposure frequency) day/year	350

# Site-specific Resident Equation Inputs for Soil

Variable	Value
EF <sub>3,6</sub> (mutagenic exposure frequency) day/year	350
EF <sub>s,s</sub> (mutagenic exposure frequency) day/year	350
EF <sub>16.76</sub> (mutagenic exposure frequency) day/year	350
IFS (age-adjusted soil ingestion factor) mg/kg	36750
IFSM (mutagenic age-adjusted soil ingestion factor) mg/kg	166833.33
IRS (soil intake rate - child) mg/day	200
IRS (soil intake rate - adult) mg/day	100
IRS <sub>a</sub> , (mutagenic soil intake rate) mg/day	200
IRS <sub>-,-</sub> (mutagenic soil intake rate) mg/day	200
IRS <sub>5,5</sub> (mutagenic soil intake rate) mg/day	100
IRS (mutagenic soil intake rate) mg/day	100
AF <sub>res-a</sub> (skin adherence factor - adult) mg/cm <sup>-2</sup>	0.07
AF <sub>res-c</sub> (skin adherence factor - child) mg/cm <sup>-2</sup>	0.2
AF <sub>0-2</sub> (mutagenic skin adherence factor) mg/cm <sup>-2</sup>	0.2
AF <sub>2-6</sub> (mutagenic skin adherence factor) mg/cm <sup>-2</sup>	0.2
AF <sub>6-16</sub> (mutagenic skin adherence factor) mg/cm <sup>-2</sup>	0.07
AF <sub>16-26</sub> (mutagenic skin adherence factor) mg/cm <sup>-2</sup>	0.07
DFS (age-adjusted soil dermal factor) mg/kg	103390
DFSM <sub></sub> (mutagenic age-adjusted soil dermal factor) mg/kg	428260
City (Climate Zone) PEF Selection	Chicago, IL (7)
A <sub>e</sub> (acres)	.5
Q/C <sub>wp</sub> (g/m²-s per kg/m³)	98.430714368855
PEF (particulate emission factor) m <sup>3</sup> /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_ (mean annual wind speed) m/s	4.65
U, (equivalent threshold value)	11.32
F(x) (function dependant on U _/U) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A <sub>c</sub> (acres)	.5
Q/C <sub>vol</sub> (g/m²-s per kg/m³)	98.430714368855

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# Site-specific Resident Equation Inputs for Soil

Variable	Value
foc (fraction organic carbon in soil) g/g	0.006
ρ (dry soil bulk density) g/cm <sup>3</sup>	1.5
ρ (soil particle density) g/cm <sup>3</sup>	2.65
n (total soil porosity) L/L	0.43396
θ (air-filled soil porosity) L , /L,	0.28396
θ _ (water-filled soil porosity) L (L	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 _ Selection	Chicago, IL (7)
VF <sub>s</sub> (volitization factor) m <sup>3</sup> /kg	
$Q/C_{vol}(g/m^2-s per kg/m^3)$	98.430714368855
A, (acres)	.5
T (exposure interval) yr	26
d <sub>e</sub> (depth of source) m	
ρ (dry soil bulk density) g/cm <sup>3</sup>	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 no St. < 10 x ca St.), max=St exceeds ceiling limit (see User's Guide), sat=St exceeds csat, Smax=Soil St exceeds ceiling limit and has been substituted with the max value (see User's Guide), Ssat=Soil inhalation St 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/m³)-1	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m³)	Chronic RfC Ref
Benzene	71-43-2	No	Yes	5.50E-02	1	7.80E-06	ſ	4.00E-03	ı	3.00E-02	1
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	,	6.00E-04	ì	9.00E-03	i	9.00E-03	1
Dichloroethane, 1,2-	100-95-4	No	Yes	9.10E-02	i	2.60E-05	' 1	6.00E-03	, S	7.00E-03	P
Ethylbenzene	100-41-4	No	Yes	1.10E-02	Ċ	2.50E-06	Ċ	1.00E-01	1	1.00E+00	1
Lead and Compounds	7439-92-1	No	No	1.102-02		2.50L-00	C	1.00E-01	,	1.002.100	•
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	С	-		3.00E+00	)
· · · · · · · · · · · · · · · · · · ·	83-32-9	No	Yes	1.00E-03		2.00L-07	<u>_</u>	6.00E-02	ı	5.002100	'
Acenaphthene	120-12-7	No	Yes	_		-		3.00E-02	'	-	
Anthracene	56-55-3			7.30E-01	W	1.10E-04	С	3.000401	ı	=	
Benz[a]anthracene	205-82-3	Yes No	Yes No	1.20E+00	C	1.10E-04	С	-		-	
Benzo(j)fluoranthene	50-32-8		No	7.30E+00		1.10E-04	С	-		-	
Benzo(a)pyrene	205-99-2	Yes		7.30E+00 7.30E-01	W	1,10E-03	С	-		-	
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01 7.30E-02	W	1,10E-04 1,10E-04	С	-		-	
Benzo[k]fluoranthene		Yes	No					-		-	
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	С	_		*	
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03		-		-	
Dibenzo(a,e)pyrene	192-65-4	No	No	1,20E+01	С	1.10E-03	C	-		•	
Dimethylbenz(a)anthracene, 7,12-	57-97 <b>-</b> 6	Yes	No	2.50E+02	С	7.10E-02	С	4.005.00		~	
Fluoranthene	206-44-0	No	No	•		-		4.00E-02	!	-	
Fluorene	86-73-7	No	Yes	7.00		-	_	4.00E-02	1 ,	-	
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	7.30E-01	M	1.10E-04	С	-		-	
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	ļ	-	
Naphthalene	91-20-3	No	Yes	- 	_	3.40E-05		2.00E-02	ļ	3.00E-03	i j
Nitropyrene, 4-	57835-92-4		No	1.20E+00	С	1.10E-04	C	<u>.</u>		-	
Pyrene	129-00-0	No	Yes	-		•		3.00E-02	ı	-	
Toluene	108 <b>-</b> 88-3	No	Yes	-		-		8.00E-02	1	5.00E+00	
Trimethylbenzene, 1,2,4-	95 <b>-</b> 63-6	No	Yes	•		-		-		7.00E-03	B P
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-		-		1.00E-02	S	-	
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	1	1,00E-01	! 1

## Site-specific

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				Volatilization	Soil Saturation	Particulate Emission	Ingestion SL	Dermal SL	Inhalation SL	Carcinogenic SL
				Factor	Concentration	Factor	TR=1.0E-6	TR=1.0E-6	TR=1.0E-6	TR=1.0E-6
Chemical	GIABS	ABS F	RBA	(m³/kg)	(mg/kg)	(m³/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(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 <b>-</b> 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	4+	-	-	-
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	7	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 <b>-</b> 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 <b>-</b> 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

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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

	Ingestion SL Child THQ=1	Dermal SL Child THQ=1	Inhalation SL Child THQ=1	Noncarcinogenic SL Child THI=1	Ingestion SL Adult THQ=1	Dermal SL Adult THQ=1	Inhalation SL Adult THQ≃1	Noncarcinogenic SL Adult THI=1	Screening Level
Chemical	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(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-hc
Methyl tert-Butyl Ether (MTBE)	-	-	2.21E+04	2.21E+04	•	-	2.21E+04	2.21E+04	6.38E+017ca
Acenaphthene	4.69E+03	1.52E+04	-	3.59E+03	5.01E+04	9.12E+04	-	3.23E+04	3.59E403me
Anthracene	2.35E+04	7.61E+04	-	1.79E+04	2.50E+05	4.56E+05	-	1.62E+05	1.79E+04 ng
Benz[a]anthracene	-	-	-	-	-	-	-	-	1.57,E301) ca
Benzo(j)fluoranthene	-	-	-	-	-	-	-	-	4/24E;07/ca/m
Benzo[a]pyrene	, <del>-</del>	-	-	•	-	-	-	-	1.57E-02 ca
Benzo[b]fluoranthene	-	-	-	-	-	-	-	-	1,57E+01kca
Benzo[k]fluoranthene	-	-	-	-	-	-	-	-	1.57E+00 ca
Chrysene	-	-	-	-	-	-	-	-	1:57E+01 ca
Dibenz[a,h]anthracene	-	-	-	-	-	-	-	-	1,57,E <sub>e</sub> 02,ca:.
Dibenzo(a,e)pyrene	=	-	-	•	•	-	-	-	4,24E-02/ca
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	-	-	-	459E+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	2,39 <b>E</b> #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 car
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	4 2.18E+04	5,24E+03,sat
Trimethylbenzene, 1,2,4-	-	-	8.34E+0	8.34E+01	~	-	8.34E+0	1 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+0	2 8.18E+02	1.67E+05	-	8.64E+02	2 8.59E+02	8月8E+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.

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 recr. (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 (2–134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, 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 <sup>1</sup>	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/1
Alachior	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	32	$0.3^{2}$
Bacteria, Total Coliform	$0^{3}$	03
Barium	2 milligrams/liter (mg/l)	0.4 mg/l
3entazon	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
`arbaryl	40	4
arbofuran	40	8
arbon disulfide	0001	200
arbon tetrachloride	5	0,5
hloramben	150	30
hlordane	2	0.2
hlorodifluoromethane	7 mg/l	0.7 mg/l
hloroethane	400	80
hloroform	6	0.6
hlorpyrifos	2	0.4
aloromethane	30	3
ronium (total)	100	10
rysene	0.2	0.02

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is the date the chapter was last published.

Table 1 - Continued
Public Health Groundwater Quality Standards

Substance <sup>1</sup>	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 <sup>4</sup>	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
· · · · · · · · · · · · · · · · · · ·	70	7
1,2-Dichloroethylene (cis)	100	20
1,2-Dichtoroethylene (trans)		
2,4-Dichlorophenoxyacetic Acid (2,4-D)	70	7 0.5
1,2-Dichloropropane	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 <sup>5</sup>	0.05	0.005
Dinoseb	7	1.4
I,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
luoranthene	400	80
luorene	400	80
luoride	4 mg/l	0.8 mg/t
luorotrichloromethane	3490	698
ormaldeliyde	1000	100
leptachlor	0.4	0.04
leptachlor epoxide	0.2	0.02
lexachlorobenzene	ı	0.1
-Hexane	600	120
ydrogen sulfide	30	6
ead	15	1.5
indane	0.2	0.02
langanese	300	60
lercury	2	0.2

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Table I - Continued
Public Health Groundwater Quality Standards

Pub	lic Health Groundwater Quality Standa	
Substance <sup>1</sup>	Enforcement Standard (micrograms per liter – except as noted)	Preventive Action Limit (micrograms per liter – except as noted)
Methanol	5000	0001
Methoxychlor	40	4
Methylene chloride	5	0.5
Methyl ethyl ketone (MEK)	4 mg/l	0.8 mg/f
Methyl isobutyl ketone (MIBK)	500	50
Methyl tert-butyl ether (MTBE)	60	12
Metolachlor/s-Metolachlor	100	01
Metolachlor ethane sulfonic acid + oxanitic 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)	_ I mg/I	0,2 mg/l
N-Nitrosodiphenylamine	7	0.7
Pentachlorophenol (PCP)	1	0.1
Perchlorate	, t	0.1
Phenoi	2 mg/l	0,4 mg/l
Picloram	500	100
Polychlorinated biphenyls (PCBs)	0.03	0.003
Prometon	001	20
Propazine	10	2
Pyrene	250	50
Pyridine	10	2
Selenium	50	10
Sifver	50	10
Simazine	4	. 0.4
Styrene	100	10
Fertiary Butyl Alcohol (TBA)	12	1.2
,1,1,2-Tetrachloroethane	70	7
,1,2,2-Tetrachloroethane	0.2	0.02
Tetrachloroethylene	5	0.5
etrahydrofuran	50	10
hallium	2	0.4
oluene	800	160
oxaphene	3	0.3
,2,4-Trichlorobenzene	70	14
, 1,1-Trichloroethane	200	40
,1,2-Trichloroethane	5	0.5
richloroethylene (TCE)	5	0.5
4,5-Trichlorophenoxy-propionic acid (2,4,5-TP)	50	5
2.3-Trichloropropane	60	12
rifluralin	7.5	0.75
rimethylbenzenes	480	96
(1,2,4- and 1,3,5- combined)		<del></del>
	30	6
anadium	30	6

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### Table 1 - Continued Public Health Groundwater Quality Standards

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

- Appendix I contains Chemical Abstract Service (CAS) registry numbers, common synonyms and trade names for most substances listed in T able 1.
- <sup>2</sup> Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-5-triazine (formerly deethylatrazine). 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4,6-diamino-s-triazine (formerly diaminoatrazine).
- <sup>3</sup> 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 for 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. 40+1-85; am. table 1, Register, October, 1988, No. 394, eff. 14-1-88; am. table 4, Register, September, 1999, No. 447, 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. 12-31-99; am. Table 1, Register, December, 1998, No. 516, eff. 12-31-99; am. Table 1, Register, December, 1998, No. 516, eff. 12-31-99; am. Table 1, Register, November 2006, No. 531, eff. 4-1-00; CR 03-063; am. Table 1, Register February 2004, No. 578, eff. 3-1-04; CR 02-093; 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	1.5
	(Threshold Odor No.)	(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

к	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
	1.20E-05	3.66E-04	115.35
T	<b>sq ft/s</b> 5.44E-05	<b>sq cm/s</b> 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	
Т	2.17E-04	2.02E-01	

### MW-5

MW-5

К	<b>ft/s</b>	<b>cm/s</b>	<b>m/yr</b>
	1.60E-05	4.88E-04	153.79
π	<b>sq ft/s</b> 8.66 <b>E</b> -05	<b>sq cm/s</b> 8.04E-02	

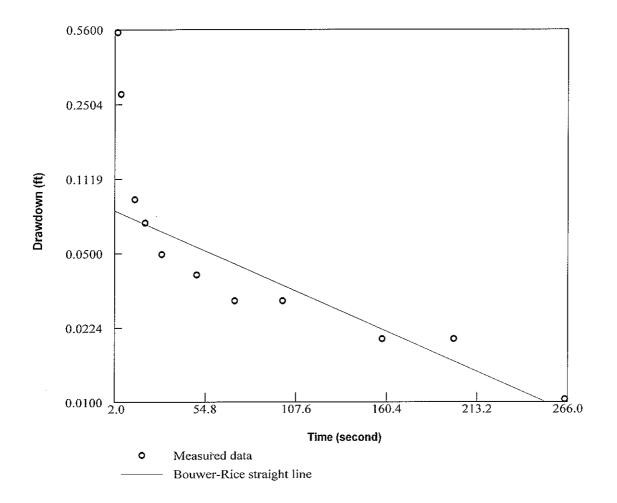
153.79

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

0.0495868

0.3

25.41985



Aquifer Parameters by the Bouwe	er 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

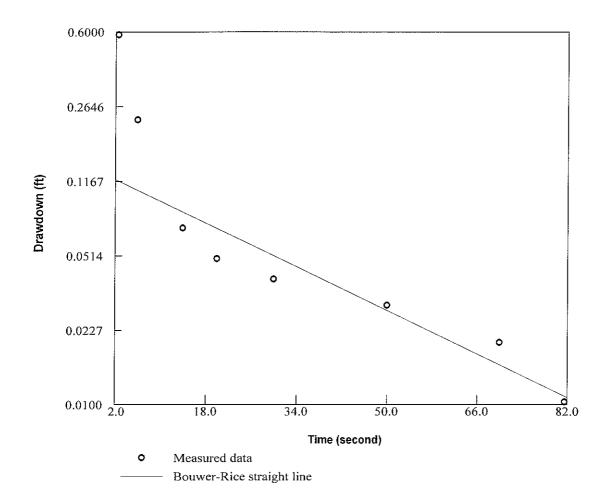
35.35         52.72         0         0.19           34.6         62.72         2         0.56           34.77         52.72         4         0.39           34.88         52.71         6         0.28           34.96         52.71         10         0.15           35.01         52.71         10         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           35.1         52.71         20         0.07           35.1         52.71         20         0.07           35.1         52.71         22         0.06           35.11         52.71         24         0.06           35.11         52.71         26         0.05           35.11         52.71         30         0.05           35.11         52.71         30         0.05           35.11         52.71         30         0.05           35.11         52.71         34         0.05 <t< th=""><th>Pressure[ft]</th><th>Temperature[°F]</th><th>Time (seconds)</th><th>Drawdown (ft)</th></t<>	Pressure[ft]	Temperature[°F]	Time (seconds)	Drawdown (ft)
34.77       52.72       4       0.39         34.88       52.71       6       0.28         34.96       52.71       10       0.15         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       20       0.07         35.09       52.71       22       0.06         35.1       52.71       22       0.06         35.1       52.71       24       0.06         35.11       52.71       24       0.06         35.11       52.71       26       0.05         35.11       52.71       30       0.05         35.11       52.71       32       0.05         35.11       52.71       32       0.05         35.11       52.71       32       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.7       36       0.05         35.11       52.7 <td< td=""><td></td><td></td><td>0</td><td>0.19</td></td<>			0	0.19
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       20       0.07         35.1       52.71       22       0.06         35.1       52.71       24       0.06         35.11       52.71       24       0.06         35.11       52.71       28       0.05         35.11       52.71       30       0.05         35.11       52.71       30       0.05         35.11       52.71       32       0.05         35.11       52.71       32       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.7       36       0.05         35.11       52.7       36       0.05         35.11       52.7       4	34.6	52.72	2	0.56
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       24       0.06         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       32       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.7       36       0.05         35.11       52.7       40       0.05         35.12       52.7	34.77	52.72	4	0.39
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           36.09         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         30         0.05           35.11         52.71         34         0.05           35.11         52.71         34         0.05           35.11         52.71         34         0.05           35.11         52.71         34         0.05           35.11         52.7         38         0.05           35.11         52.7         38         0.05           35.12         52.7         40         0.04	34.88	52.71	6	0.28
35.05         52.71         12         0.11           35.07         52.71         14         0.09           35.08         52.71         18         0.07           35.09         52.71         20         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         28         0.05           35.11         52.71         30         0.05           35.11         52.71         32         0.05           35.11         52.71         32         0.05           35.11         52.71         34         0.05           35.11         52.71         34         0.05           35.11         52.7         36         0.05           35.11         52.7         36         0.05           35.11         52.7         36         0.05           35.11         52.7         40         0.05           35.12         52.7         44         0.04           35.12         52.7         48         0.04 <t< td=""><td>34.96</td><td>52.71</td><td>8</td><td>0.2</td></t<>	34.96	52.71	8	0.2
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         52.71         34         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         38         0.05           35.12         52.7         40         0.05           35.12         52.7         44         0.04           35.12         52.7         48         0.05 <t< td=""><td>35.01</td><td>52.71</td><td>10</td><td>0.15</td></t<>	35.01	52.71	10	0.15
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       52.71       34       0.05         35.11       52.71       34       0.05         35.11       52.71       36       0.05         35.11       52.7       36       0.05         35.11       52.7       36       0.05         35.11       52.7       40       0.05         35.12       52.7       44       0.04         35.12       52.7       46       0.04         35.12       52.7       50       0.04         35.12       52.7       56       0.04         35.12       52.7       56<	35.05	52.71	12	0.11
35.09       52.71       18       0.07         35.09       52.71       20       0.07         35.1       52.71       22       0.06         35.11       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       52.71       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       52.7       40       0.05         35.11       52.71       42       0.05         35.12       52.7       44       0.04         35.12       52.7       44       0.04         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       56       0.04         35.12       52.7       56 </td <td>35.07</td> <td>52.71</td> <td>14</td> <td>0.09</td>	35.07	52.71	14	0.09
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       52.7       40       0.05         35.11       52.71       42       0.05         35.12       52.71       44       0.04         35.12       52.7       44       0.04         35.12       52.7       48       0.05         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       56       0.04         35.12       52.7       58       0.04         35.12       52.7       60 <td>35.08</td> <td>52.71</td> <td>16</td> <td>0.08</td>	35.08	52.71	16	0.08
35.1       52.71       22       0.06         35.11       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       38       0.05         35.11       52.7       40       0.05         35.12       52.7       44       0.04         35.12       52.7       44       0.04         35.12       52.7       48       0.05         35.12       52.7       48       0.05         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       56       0.04         35.12       52.7       56       0.04         35.12       52.7       60	35.09	52.71	18	0.07
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       52.7       40       0.05         35.12       52.7       44       0.04         35.12       52.7       44       0.04         35.12       52.7       48       0.05         35.11       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       50       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       66	35.09	52.71	20	0.07
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       44       0.04         35.12       52.7       48       0.05         35.12       52.7       48       0.05         35.12       52.7       50       0.04         35.12       52.7       50       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       68	35.1	52.71	22	0.06
35.11       52.71       28       0.05         35.11       52.71       30       0.05         35.11       52.71       34       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       52.71       44       0.04         35.12       52.7       46       0.04         35.12       52.7       48       0.05         35.12       52.7       50       0.04         35.12       52.7       50       0.04         35.12       52.7       52       0.04         35.12       52.7       56       0.04         35.12       52.7       56       0.04         35.12       52.7       60       0.04         35.12       52.7       60       0.04         35.12       52.7       62       0.04         35.12       52.7       66       0.04         35.12       52.7       66	35.1	52.71	24	0.06
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       40       0.05         35.12       52.71       44       0.04         35.12       52.7       44       0.04         35.12       52.7       48       0.05         35.12       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       68       0.04         35.12       52.7       7	35.11	52.71	26	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       40       0.05         35.11       52.71       42       0.05         35.12       52.71       44       0.04         35.12       52.7       46       0.04         35.12       52.7       48       0.05         35.11       52.7       48       0.05         35.12       52.7       50       0.04         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       66       0.04         35.12       52.7       68       0.04         35.12       52.7       70       0.04         35.13       52.7       72	35.11	52.71	28	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       52.71       40       0.05         35.12       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       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       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	35.11	52.71	30	0.05
35.11       52.7       36       0.05         35.11       52.7       38       0.05         35.11       52.71       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       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       68       0.04         35.12       52.7       70       0.04         35.13       52.7       72       0.03         35.12       52.7       74       0.04         35.12       52.7       78	35.11	52.71	32	0.05
35.11       52.7       38       0.05         35.11       52.71       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       50       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       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       78	35.11	52.71	34	0.05
35.11       52.71       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       68       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       78       0.04         35.12       52.7       78       0.04         35.13       52.7       78	35.11	52.7	36	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       68       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       78       0.04         35.12       52.7       78	35.11	52.7	38	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       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       78       0.04         35.12       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       80	35.11	52.7	40	0.05
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       68       0.04         35.12       52.7       70       0.04         35.13       52.7       72       0.03         35.12       52.7       74       0.04         35.12       52.7       76       0.03         35.12       52.7       78       0.04         35.12       52.7       78       0.04         35.12       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       80       0.04         35.13       52.7       80	35.11	52.71	42	0.05
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       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       78       0.04         35.12       52.7       80       0.04         35.13       52.7       80       0.04         35.13       52.7       80       0.04	35.12	52.7	44	0.04
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       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       78       0.04         35.12       52.7       80       0.04         35.12       52.7       80       0.04         35.13       52.7       80       0.04         35.13       52.7       82       0.03	35.12	52.7		
35.12       52.7       54       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       66       0.04         35.12       52.7       68       0.04         35.12       52.7       70       0.04         35.13       52.7       72       0.03         35.13       52.7       76       0.03         35.12       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       80       0.04         35.13       52.7       80       0.04	35.11	52.7		
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       68       0.04         35.12       52.7       70       0.04         35.13       52.7       72       0.03         35.13       52.7       76       0.03         35.13       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       82       0.03	35.12	52.7		
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         35.13       52.7       70       0.04         35.13       52.7       72       0.03         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       80       0.04         35.13       52.7       82       0.03	35.12			
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     78     0.04       35.12     52.7     80     0.04       35.13     52.7     82     0.03				
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				
35.12       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				
35.12       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				
35.12       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				
35.12     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				
35.12     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     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				
35.12     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       76       0.03         35.12       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       82       0.03				
35.12       52.7       78       0.04         35.12       52.7       80       0.04         35.13       52.7       82       0.03				
35.12     52.7     80     0.04       35.13     52.7     82     0.03				
35.13 52.7 82 0.03				
35 13 52 / 84 0 03				
	35.13	52.7		
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	35.13	52.7	92	0.03

Auto Repair on	Vliet
MW-1 Slug Out	

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         52.69         108         0.03           35.13         52.7         110         0.03           35.13         52.7         111         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         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         122         0.03           35.13         52.69         130         0.03           35.13         52.69         130         0.03	35.12	52.7	94	0.04
35.13         52.7         100         0.03           35.13         52.7         102         0.03           35.13         52.7         102         0.03           35.13         52.7         104         0.03           35.13         52.69         108         0.03           35.13         52.7         110         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         120         0.03           35.13         52.69         122         0.03           35.13         52.69         122         0.03           35.13         52.69         128         0.03           35.13         52.69         132         0.03           35.13         52.69         132         0.03           35.13         52.69         134         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         52.69         108         0.03           35.13         52.7         110         0.03           35.13         52.7         112         0.03           35.13         52.69         116         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         120         0.03           35.13         52.69         120         0.03           35.13         52.69         122         0.03           35.13         52.69         122         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         132         0.03           35.13         52.69         136         0.03 <td></td> <td></td> <td></td> <td></td>				
35.13         52.7         102         0.03           35.13         52.7         104         0.03           35.13         52.69         108         0.03           35.13         52.69         108         0.03           35.13         52.7         110         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         124         0.03           35.13         52.69         124         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         134         0.03           35.13         52.69         138         0.03 </td <td></td> <td></td> <td>100</td> <td>0.03</td>			100	0.03
35.13         52.7         104         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         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         132         0.03           35.13         52.69         134         0.03           35.13         52.69         136         0.03           35.13         52.69         140         0.03 </td <td></td> <td></td> <td></td> <td>0.03</td>				0.03
35.13         52.69         108         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         52.69         116         0.03           35.13         52.69         116         0.03           35.13         52.69         120         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         128         0.03           35.13         52.69         128         0.03           35.13         52.69         132         0.03           35.13         52.69         132         0.03           35.13         52.69         134         0.03           35.13         52.69         138         0.03           35.13         52.69         138         0.03           35.13         52.69         140         0.03           35.13         52.69         144         0.03				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         52.69         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         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         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         142         0.03           35.13         52.69         144         0.03				0.03
35.13         52.7         110         0.03           35.13         52.7         112         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         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         132         0.03           35.13         52.69         134         0.03           35.13         52.69         134         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			108	0.03
35.13         52.7         112         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         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         134         0.03           35.13         52.69         138         0.03           35.13         52.69         140         0.03           35.13         52.69         140         0.03           35.13         52.69         144         0.03           35.13         52.69         146         0.03           35.13         52.69         150         0.03			110	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         120         0.03           35.13         52.69         122         0.03           35.13         52.69         124         0.03           35.13         52.69         128         0.03           35.13         52.69         130         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         134         0.03           35.13         52.69         138         0.03           35.13         52.69         140         0.03           35.13         52.69         140         0.03           35.13         52.69         144         0.03           35.13         52.69         144         0.03           35.13         52.69         148         0.03           35.13         52.69         150         0.03			112	0.03
35.13         52.69         116         0.03           35.13         52.69         120         0.03           35.13         52.69         120         0.03           35.13         52.69         122         0.03           35.13         52.69         126         0.03           35.13         52.69         126         0.03           35.13         52.69         130         0.03           35.13         52.69         132         0.03           35.13         52.69         132         0.03           35.13         52.69         134         0.03           35.13         52.69         138         0.03           35.13         52.69         138         0.03           35.13         52.69         140         0.03           35.13         52.69         140         0.03           35.13         52.69         144         0.03           35.13         52.69         144         0.03           35.13         52.69         148         0.03           35.13         52.69         148         0.03           35.13         52.69         150         0.03		52.7	114	0.03
35.13       52.69       120       0.03         35.13       52.69       120       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       140       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       146       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13			116	0.03
35.13       52.69       120       0.03         35.13       52.69       122       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       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       146       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13		52.69	118	0.03
35.13       52.69       122       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       140       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       148       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       154       0.03         35.13       52.68       158       0.02         35.13		52.69	120	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       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       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       148       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.68       160       0.03         35.13		52.69	122	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       140       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       148       0.03         35.13       52.69       148       0.03         35.13       52.69       150       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         35.13       52.68       160       0.03         35.13       52.68       160       0.03         35.13       52.68       166       0.03         35.13	35.13	52.69	124	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       140       0.03         35.13       52.69       142       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       148       0.03         35.13       52.69       150       0.03         35.13       52.69       150       0.03         35.13       52.69       150       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         35.13       52.68       160       0.03         35.13       52.68       160       0.03         35.13       52.68       162       0.03         35.13       52.68       164       0.03         35.13	35.13	52.69	126	0.03
35.13       52.69       132       0.03         35.13       52.69       134       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       144       0.03         35.13       52.69       148       0.03         35.13       52.69       150       0.03         35.13       52.69       150       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         35.13       52.69       156       0.03         35.13       52.68       160       0.03         35.13       52.68       160       0.03         35.13       52.68       164       0.03         35.13       52.68       160       0.03         35.13       52.68       170       0.03         35.13	35.13	52.69	128	0.03
35.13       52.69       134       0.03         35.13       52.69       136       0.03         35.13       52.69       140       0.03         35.13       52.69       140       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       146       0.03         35.13       52.69       150       0.03         35.13       52.69       150       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       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       170       0.03         35.13       52.68       170       0.03         35.13       52.68       172       0.03         35.13	35.13	52.69	130	0.03
35.13       52.69       136       0.03         35.13       52.69       140       0.03         35.13       52.69       140       0.03         35.13       52.69       144       0.03         35.13       52.69       144       0.03         35.13       52.69       146       0.03         35.13       52.69       150       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       52.68       160       0.03         35.13       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       170       0.03         35.13       52.68       170       0.03         35.13       52.68       176       0.02         35.13       52.68       176       0.02         35.13	35.13	52.69	132	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       150       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       52.68       160       0.03         35.13       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       170       0.03         35.13       52.68       170       0.03         35.13       52.68       174       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13	35.13	52.69	134	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       52.68       164       0.03         35.13       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       170       0.03         35.13       52.68       172       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13       52.68       176       0.02         35.13       52.68       180       0.03         35.13	35.13	52.69	136	
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       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       160       0.03         35.13       52.68       160       0.03         35.13       52.68       170       0.03         35.13       52.68       172       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13       52.68       178       0.03         35.13       52.68       180       0.03         35.13	35.13	52.69	138	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       52.68       162       0.03         35.13       52.68       164       0.03         35.13       52.68       166       0.03         35.13       52.68       170       0.03         35.13       52.68       170       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13       52.68       176       0.02         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13	35.13	52.69	140	
35.13       52.69       146       0.03         35.13       52.69       150       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       170       0.03         35.13       52.68       172       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13       52.68       176       0.02         35.13       52.68       178       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13	35.13	52.69		
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       170       0.03         35.13       52.68       172       0.03         35.13       52.68       174       0.03         35.13       52.68       176       0.02         35.13       52.68       178       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13	35.13	52.69		
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       174       0.03         35.13       52.68       176       0.02         35.13       52.68       178       0.03         35.13       52.68       178       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13       52.68       180       0.03         35.13	35.13	52.69		
35.13       52.69       152       0.03         35.13       52.69       154       0.03         35.14       52.68       156       0.03         35.13       52.68       158       0.02         35.13       52.68       160       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         35.13       52.68       176       0.02         35.13       52.68       178       0.03         35.13       52.68       180       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       184       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13	35.13	52.69		
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       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       180       0.03         35.13       52.68       182       0.03         35.13       52.68       182       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13       52.68       186       0.03	35.13	52.69		
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       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       180       0.03         35.13       52.68       182       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13       52.68       186       0.03	35.13	52.69		
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       184       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13       52.68       186       0.03	35.13	52.69		
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       184       0.03         35.13       52.68       184       0.03         35.13       52.68       184       0.03         35.13       52.68       186       0.03	35.13	52.69		
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       184       0.03         35.13       52.68       186       0.03	35.14			
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       184       0.03         35.13       52.68       186       0.03	35.13			
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       186       0.03	35.13			
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       184       0.03         35.13       52.68       186       0.03         35.13       52.68       186       0.03	35.13			
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       186       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       184       0.03         35.13       52.68       186       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       186       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       186       0.03				
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       186       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       182       0.03         35.13       52.68       184       0.03         35.13       52.68       186       0.03				
35.13     52.68     184     0.03       35.13     52.68     186     0.03				
35.13 52.68 186 0.03				
35.13 52.68 188 0.03				
	35.13	52.68	188	0.03

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

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 Bouwe	er and Rice Slug Test
Hydraulic Conductivity (ft/s):	3.79e-005
Transmissivity (sq ft/s):	2.17e-004

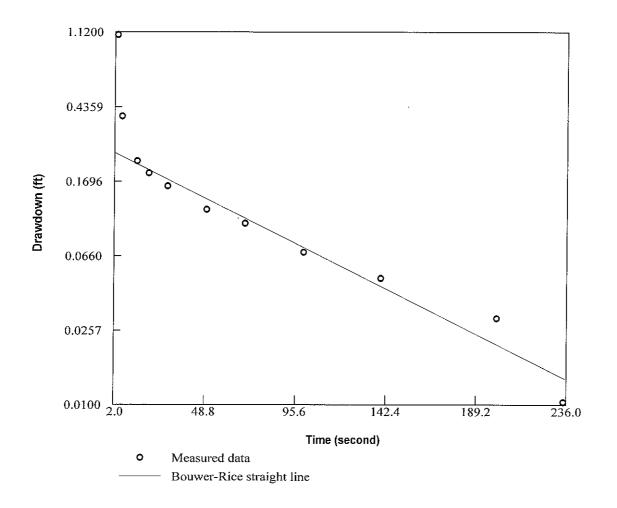
Auto Repair on Vliet MW-2 Slug Out

Pressure[ft]	Temperature[°F]	Time (seconds)	Drawdown (ft)
38.5		0	0.22
37.68		2	0.6
37.76		4	0.52
38.05		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		28	0.04
38.24		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		38	0.03
38.25		40	0.03
38.25		42	0.03
38.25		44	0.03
38.25		46	0.03
38.25		48	0.03
38.25		50	0.03
38.25		52	0.03
38.25		54	0.03
38.25		56	0.03
38.26		58	0.02
38.25		60	0.03
38.26		62	0.02
38.26		64	0.02
38.26		66	0.02
38.26		68	0.02
38.26		70	0.02
38.26		72	0.02
38.26		74	0.02
38.26		76	0.02
38.26		78	0.02
38.26		80	0.02
38.27		82	0.01
38.26		84	0.02
38.26		86	0.02
38.26		88	0.02
38.26		90	0.02
38.27	53.12	92	0.01

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

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
	53.11	198	0.01
38.27	53.11	200	0.01
38.27		202	0.01
38.27	53.11	204	0.02
38.26	53.11	206	0.02
38.27	53.11	208	0.01
38.27	53.11	210	0.01
38.26	53.11	212	0.02
38.26	53.11		0.02
38.27	53.11	214	0.01
38.27	53.11	216	
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

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 Bouwe	r 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

MITT-0 Glug C	ut		
Pressure[ft]	Temperature(°F)	Time (seconds) Drawe	down (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
		8	
37.33	58.95		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
		22	0.17
37.46	58.93		
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
		90	0.08
37.55	58.93		
37.56	58.93	92	0.07
37.55	58.93	94	80.0
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
	58.93	106	0.07
37.56			
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
		122	0.05
37.58	58.93		
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

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Auto	Rep	oair	on	Vliet
MW-	5 SI	ua i	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 Viiet
Auto Mehall off Mich
MW-5 Slug Out

alug 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 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 37.61	58.91	220	0.02
	58.91	222	0.02
37.61	58.91	224	0.02
37.61	58.91	226	0.02
37.61		228	0.02
37.61	58.91 58.91	230	0.02
37.61	58.91	232	0.02
37.61		234	0.02
37.61	58.92	236	0.02
37.62	58.92	238	0.01
37.61	58.91	230 240	0.02
37.62	58.91	240 242	0.01
37.61	58.91	244	0.02
37.62	58.91	244	0.02
37.61	58.91	248	0.02
37.62	58.91	250	0.01
37.62	58.91	250 252	0.01
37.61	58.91		0.02
37.61	58.91	254	0.02
37.62	58.91	256 258	0.01
37.61	58.91		0.02
37.62	58.91	260 262	0.01
37.61	58.91	262 264	
37.62	58.91	266 266	0.01 0.01
37.62	58.91		
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

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Site Investigation Report - METCO
Auto Repair on Vliet
APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

## 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.

### Site Investigation Report - METCO Auto Repair on Viiet 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.

### Site Investigation Report - METCO Auto Repair on Vliet

### 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.

### Site Investigation Report - METCO Auto Repair on Vliet 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 and 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.

## Site Investigation Report - METCO Auto Repair on Vliet

### 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.

### Site Investigation Report - METCO Auto Repair on Vliet

### 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.

Site Investigation Report - METCO Auto Repair on Vliet APPENDIX G/ STANDARD OF CARE

### Site Investigation Report - METCO Auto Repair on Vliet 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

Date

9/26/17

"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