Site Investigation Report

Kipp's Auto and Towing Service
5507 W Hampton Ave
Milwaukee, Wisconsin

February 12, 2015
by METCO
WDNR Reference #: 03-41-543343
PECFA Claim #: 53218-5041-07

Excellence through experience™

This document was prepared by:

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February 12, 2015

WDNR BRRTS#: 03-41-543343
PECFA Claim #: 53218-5041-07-A

Melvin Kipp
5507 W. Hampton Ave.
Milwaukee, WI 53218

Dear Mr. Kipp,

Enclosed is our "Site Investigation Report" concerning the Kipp's Auto and Towing Service 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 (with the exception of NR720 PAL exceedances for Benzene in MW-2 and MW-7, which will be further assessed following additional groundwater sampling) to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Additional work may be required by the WDNR to move this site toward closure, as follows:

1. Due to soil contamination in the area of the removed UST systems and results of G-6 exceeding the NR720 Direct Contact RCL's, at a minimum a asphalt cap and maintenance plan may be required to address unsaturated soil contamination.

2. Due to the NR140 Enforcement Standard and Preventive Action Limit exceedences in groundwater, additional groundwater monitoring will be required for contaminant trend analysis.

3. Indoor air monitoring may be required at the two neighboring properties to the east due to groundwater contamination coming into contact with the basement walls. Sub-slab sampling would be problematic due to the shallow watertable. Also, due to the shallow (< 5 feet bgs) soil and groundwater contamination sub-slab vapor sampling may be required to rule out risk of vapor instrusion in the on-site building.

If the state concurs, please contact METCO to discuss workscope.

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: Gena Larson – WDNR

Site Investigation Report - METCO
Kipp's Auto and Towing Service

EXECUTIVE SUMMARY

A gas station operated on the subject property from 1951 until 1998. In 1986 a 3,000-gallon leaded gasoline UST and an 8,000-gallon unleaded gasoline UST were removed from the property. Two new 3,000 and 8,000-gallon gasoline UST's were installed in the same location. The UST's were in use until 1998, when retail gasoline sales were discontinued. A 500-gallon waste oil UST existed on the southwest corner of the building. The waste oil UST is older and may date back to the 1950's. On December 15, 2012, the 3,000 and 8,000 gallon gasoline and 500-gallon waste oil UST's were removed. Currently the property is used as an automobile repair shop.

On May 6, 2005, Moraine Environmental, Inc completed one soil boring near the former pump island during an Environmental Site Assessment. A soil sample was collected at 7 feet below ground surface for DRO and GRO analysis. Laboratory analysis from the soil sample showed 15 ppm DRO and 69 ppm GRO. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted at the subject property.

On December 15, 2012, during the UST removal, eight soil samples were collected beneath the removed UST systems for laboratory analysis (DRO, GRO, PVOC, and Naphthalene).

The site investigation consisted of a Geoprobe project, Drilling project, monitoring well installation, and two rounds of groundwater monitoring.

The Geoprobe project, Drilling project, and two rounds of groundwater monitoring clearly show that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

- Geologic material in the area of investigation generally consists of clay to sandy clay with gravel to at least 16 feet bgs.
- Fill material consisting of tan sand and gravel to pea gravel was found in the area of the removed UST systems.
- Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100 to 150 feet below ground surface.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 3.84 to 8.23 feet below surface depending on well location and the time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally toward the east.
- The area of unsaturated soil contamination near the former pump island and removed gasoline UST systems, which exceeds the NR720 Soil Cleanup Standards and/or NR746 Table 1/Table 2 Values, appears to measure approximately 55 feet long, up to

36 feet wide, and up to 5 feet thick. The area of unsaturated soil contamination near the 500 gallon waste oil appears to measure approximately 27 feet long, up to 11 feet wide, and up to 8 feet thick.

- A dissolved phase contaminant plume exceeding the NR140 Enforcement Standards and Preventive Action Limits has formed at the watertable in the area of the removed UST systems and has migrated toward the east. This plume is approximately 185 feet long and 150 feet wide.
- Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES exceedances. Two monitoring wells (MW-2 and MW-7) show NR140 PAL exceedances. Monitoring well MW-6 showed a PAL exceedance for Benzene in the first round of sampling and no detects during the second sampling event. None of the other monitoring wells show any detects for any contaminants of concern.
- Based on the receptor survey, there does appear to be the potential for contaminant migration along utility corridors and vapor intrusion to nearby buildings. However, water samples collected from the sumps in the basements of the two adjacent buildings to the east showed no laboratory detects for PVOC and Naphthalene.

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 (with the exception of NR720 PAL exceedances for Benzene in MW-2 and MW-7, which will be further assessed following additional groundwater sampling) to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Additional work may be required by the WDNR to move this site toward closure, as follows:

1) Due to soil contamination in the area of the removed UST systems and results of G-6 exceeding the NR720 Direct Contact RCL's, at a minimum a asphalt cap and maintenance plan may be required to address unsaturated soil contamination.

2) Due to the NR140 Enforcement Standard and Preventive Action Limit exceedences in groundwater, additional groundwater monitoring will be required for contaminant trend analysis.

3) Indoor air monitoring may be required at the two neighboring properties to the east due to groundwater contamination coming into contact with the basement walls. Sub-slab sampling would be problematic due to the shallow watertable. Also, due to the shallow (< 5 feet bgs) soil and groundwater contamination sub-slab vapor sampling may be required to rule out risk of vapor instrusion in the on-site building.

If the state concurs, please contact METCO to discuss workscope.

TABLE OF CONTENTS

Table of Contents

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

Melvin Kipp
5507 W. Hampton Ave.
Milwaukee, WI 53218
(414) 527-3417

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
N7349 548th 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:
5507 W. Hampton Ave.
Milwaukee, WI 53218

Latitude and Longitude:
43° 6' 16" N and 87° 58' 56" W

WTM Coordinates:
684197, 294391

Township/Range:
NW ¼, NW ¼, Section 2, Township 07 North, Range 21 East, Milwaukee County

1.4 Site History

A gas station operated on the subject property from 1951 until 1998. In 1986 a 3,000-gallon leaded gasoline UST and an 8,000-gallon unleaded gasoline UST were removed from the property. Two new 3,000 and 8,000-gallon gasoline UST's were installed in the same location. The UST's were in use until 1998, when retail gasoline sales were discontinued. A 500-gallon waste oil UST existed on the southwest corner of the building. The waste oil UST is older and may date back to the 1950's. On December 15, 2012, the 3,000 and 8,000 gallon gasoline and 500-gallon waste oil UST's were removed. Currently the property is used as an automobile repair shop.

On May 6, 2005, Moraine Environmental, Inc completed one soil boring near the former pump island during an Environmental Site Assessment. A soil sample was collected at 7 feet below ground surface for DRO and GRO analysis. Laboratory analysis from the soil sample showed 15 ppm DRO and 69 ppm GRO. The petroleum contamination was subsequently reported to the WDNR, who then required that a site investigation be conducted at the subject property.

On December 15, 2012, during the UST removal, eight soil samples were collected beneath the removed UST systems for laboratory analysis (DRO, GRO, PVOC, and Naphthalene).

Numerous other LUST, ERP, and Spill sites exist in the City of Milwaukee. However, it does not appear that any are close enough to be impacting or impacted by 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 660 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.

Unconsolidated materials in the area of the investigation generally consist of tan to brown to gray to green clay to sandy clay with gravel to at least 16 feet bgs. Fill material consisting of tan sand and gravel to pea gravel was found in the area of the removed UST systems. Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100 to 150 feet below ground surface.

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, the depth to groundwater

ranges from 3.84 to 8.23 feet below surface depending on well location and the time of year.

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 east. Groundwater Contour Maps are 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 utility corridors in West Hampton Avenue.

A sanitary sewer main (8 inch diameter) exists to the north of the subject property running along the south side of West Hampton Avenue. The sewer main exists at approximately 12 feet below ground surface and was constructed in 1940. Although the backfill that was used is not certain, given the age, native soil was most likely used. Because the sanitary sewer line is most likely backfilled with native soil (clay), it does not appear to be a potential contaminant migration pathways.

A water main (8 inch diameter) exists to the north of the subject property running along the south side of West Hampton Avenue. The water main exists at approximately 7 feet below ground surface. The water main was installed in 1959 and was backfilled with gravel. Because the water main is backfilled with gravel, there is some risk it is acting as a potential contaminant migration pathway.

Natural gas, buried electric, and fiber optic/phone lines also exist in the area of soil and groundwater contamination. These lines typically exist within 30 inches of ground surface and backfilled with native soil (clay). Several sewer and water lateral lines to the subject property and other nearby buildings also exist in the area of soil and groundwater contamination, these also are typically backfilled with native soil (clay). Due to their shallow depth and clay backfill, these do not appear to be a potential contaminant migration pathway.

The extent of the soil and groundwater contamination appears to extend underneath the on-site building (Kipp's Auto) at depths ranging from 3.5-5 feet

bgs. Due to this shallow groundwater (5 feet) contamination in this area, the vapor intrusion for the Kipp's Auto building may need further evaluation. The groundwater contamination also appears to extend underneath the two neighboring properties (5433 and 5431 West Hampton Ave.). It has been noted that the one neighbor (5431 West Hampton Ave.) has noticed petroleum odors in the past. A water sample was collected from the sumps in the basements of these two buildings, which showed no detects for PVOC's or Naphthalene. However, based on the groundwater being in contact with the two basements, vapor intrusion should be further evaluated at the two adjacent buildings to the east.

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 active private water supply wells in the area. However, one inactive private well found on the east side of the house at 5431 West Hampton Avenue. According to the property owner, this well has not been used in many years and the owner does not know if this well has been properly abandoned. METCO was granted permission to open this well and collect a sample, if possible. However, the steel cap could not be unscrewed from the top of the well.

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 Lincoln Creek, which exists approximately 1,500 feet to the southwest of the subject property.

3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

3.1 Methods of Investigation

Workscope

The workscope performed for the LUST Investigation included the following:

1) Collected site background information.
2) On October 2, 2012, METCO prepared a Field Procedures Workplan and Site Safety Plan.
3) On April 22-23, 2013, METCO completed sixteen Geoprobe borings. Fifty-

one soil samples and sixteen groundwater samples were collected for field and/or laboratory analysis.

4) On March 31-April 1, 2014, METCO completed two Geoprobe borings and seven soil borings which were converted to monitoring wells. Twenty eight soil samples were collected for field and/or laboratory analysis. Upon completion, the monitoring wells were properly developed.
5) On June 3, 2014, DKS Transport Services, LLC picked up and properly disposed of five drums of investigative waste.
6) On September 23, 2014, METCO collected groundwater samples for field and laboratory analysis from the seven monitoring wells and two private sump wells (Round 1). METCO also conducted slug tests on three of the monitoring wells.
7) On December 17, 2014, METCO collected groundwater samples for field and laboratory analysis from the seven monitoring wells (Round 2).

Site Access Problems

No access problems were encountered during the site 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 April 22-23, 2013, during the Geoprobe project, sixteen Geoprobe borings were completed with fifty-one soil samples collected for field and/or laboratory analysis (PID, PAH, GRO, DRO, VOC, PVOC, Naphthalene, Cadmium, and Lead).

On May 31, 2014, during the drilling project, seven soil borings and two Geoprobe borings were completed with twenty-seven soil samples collected for field and/or laboratory analysis (PID, PVOC, Naphthalene, TCLP-Lead, and TCLP-Benzene).

Soil analytical results are summarized in the Soil Analytical Results Summary Tables with exceedances of the NR720 Groundwater Residual Contaminant Levels (RCLs), Direct Contact RCLs, and/or Soil Saturation (C-sat) Values.

Site assessment, Tank closure assessment, Geoprobe, and Drilling project sample locations are presented in the site layout 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 April 22-23, 2013, during the Geoprobe project, sixteen groundwater samples were collected from the Geoprobe borings for PVOC, Naphthalene, and PAH analysis.

On March 31-April 1, 2014, during the drilling project, seven monitoring wells were installed and subsequently developed.

On September 23, 2014, Round 1 groundwater samples were collected from the seven monitoring wells and analyzed for VOC, PAH (MW-2 and MW-7), Dissolved Lead, and natural attenuation parameters (Dissolved Iron, Dissolved Manganese, Sulfates, and Nitrite/Nitrate). Groundwater samples were also collected from two sumps in the basements of the two neighboring buildings (5431 and 5433 W. Hampton Ave.) for PVOC and Naphthalene analysis. Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the seven monitoring wells. The seven monitoring wells were also properly surveyed at this time.

On December 17, 2014, Round 2 groundwater samples were collected from the seven monitoring wells to be analyzed for PVOC, Naphthalene, PAH (MW-2 and MW-7) and Dissolved Lead (MW-1). Field measurements for water level, temperature, pH, ORP, Dissolved Oxygen and Specific Conductance were also collected from the seven monitoring wells.

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 field

maps 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 September 23, 2014, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-6. 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 the following:

Monitoring Well MW-1
Hydraulic Conductivity = 7.68E-04 cm/sec
Transmissivity = 2.25E-01 cm^2/sec
Flow Velocity (V=KI/n) = 23.78618 m/yr

Monitoring Well MW-2
Hydraulic Conductivity = 5.73E-04 cm/sec
Transmissivity = 1.10E-01 cm^2/sec
Flow Velocity (V=KI/n) = 17.74512 m/yr

Monitoring Well MW-6
Hydraulic Conductivity = 1.24E-04 cm/sec
Transmissivity = 4.31E-02 cm^2/sec
Flow Velocity (V=KI/n) = 3.84145 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, MW-2, and MW-6 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

The Geoprobe Project, Drilling Project, and two rounds of groundwater monitoring clearly show that released petroleum products have impacted the local soil and groundwater.

Geologic material in the area of investigation generally consists of clay to sandy clay with gravel to at least 16 feet bgs.

Fill material consisting of tan sand and gravel to pea gravel was found in the

area of the removed UST systems.

Bedrock was not encountered during the site investigation, but dolomite bedrock is expected to exist at approximately 100 to 150 feet below ground surface.

According to data collected from the monitoring wells, the depth to groundwater ranges from 3.84 to 8.23 feet below surface depending on well location and the time of year. The local horizontal groundwater flow in the immediate area of the subject property is generally toward the east.

The area of unsaturated soil contamination near the former pump island and removed gasoline UST systems, which exceeds the NR720 Soil Cleanup Standards and/or NR746 Table 1/Table 2 Values, appears to measure approximately 55 feet long, up to 36 feet wide, and up to 5 feet thick. The area of unsaturated soil contamination near the 500 gallon waste oil appears to measure approximately 27 feet long, up to 11 feet wide, and up to 8 feet thick.

A dissolved phase contaminant plume exceeding the NR140 Enforcement Standards and Preventive Action Limits has formed at the watertable in the area of the removed UST systems and has migrated toward the east. This plume is approximately 185 feet long and 150 feet wide.

Based on the most recent groundwater analytical results, one monitoring well (MW-1) shows NR140 ES exceedances. Two monitoring wells (MW-2 and MW-7) show NR140 PAL exceedances. Monitoring well MW-6 showed a PAL exceedance for Benzene in the first round of sampling and no detects during the second sampling event. None of the other monitoring wells show any detects for any contaminants of concern.

Based on the receptor survey, there does appear to be the potential for contaminant migration along utility corridors and vapor intrusion to nearby buildings. However, water samples collected from the sumps in the basements of the two adjacent buildings to the east showed no laboratory detects for PVOC and Naphthalene.

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

The Site Layout Map, Groundwater Flow Maps, Soil Contamination Map, Groundwater Contamination Map, and Geologic Cross section, which visually define the extent of contamination, are presented in Section 6.

define the extent of contamination, are presented in Section 6.

3.6 Risk Assessment

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

1. Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under Chapter, Stats. 160.
2. Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event.
3. An enforcement standard exceedance in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well used to provide water for human consumption.
4. An enforcement standard exceedance in fractured bedrock.

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

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

Based on the NR746.03 definitions, the Kipp's Auto & Towing Service site is currently a "medium risk" site.

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 (with the exception of NR720 PAL exceedances for Benzene in MW-2 and MW-7, which will be further assessed following additional groundwater sampling) to warrant a completed investigation as defined by the WDNR guidelines and regulations.

4.2 Recommendations

Additional work may be required by the WDNR to move this site toward closure, as follows:

1) Due to soil contamination in the area of the removed UST systems and results of G-6 exceeding the NR720 Direct Contact RCL's, at a minimum a asphalt cap and maintenance plan may be required to address unsaturated soil contamination.

2) Due to the NR140 Enforcement Standard and Preventive Action Limit exceedences in groundwater, additional groundwater monitoring will be required for contaminant trend analysis.

3) Indoor air monitoring may be required at the two neighboring properties to the east due to groundwater contamination coming into contact with the basement walls. Sub-slab sampling would be problematic due to the shallow watertable. Also, due to the shallow (< 5 feet bgs) soil and groundwater contamination sub-slab vapor sampling may be required to rule out risk of vapor instrusion in the on-site building.

If the state concurs, please contact METCO to discuss workscope.

5.0 REFERENCES

Boreman, R.G. and Skinner, E.L., 1973, Water Resources of Wisconsin Lake Michigan Basin, Hydrologic Investigations, Atlas HA-432, U.S. Geological Survey, Washington D.C.

Driscoll, F. G., 1986, Groundwater and Wells, St. Paul, Minnesota.

Fetter, C.W., 1988, Applied Hydrogeology, Columbus, Ohio.

Geologic Logs and Well Constructor Reports, Wisconsin Geological and Natural History Survey, Madison, Wisconsin.

Matsch, C.L. and Ojakangas, R.W., 1982, Minnesota's Geology, Minneapolis, Minnesota.

Nielson, D.M., 1991, Practical Handbook of Groundwater Monitoring, Chelsea, Michigan.

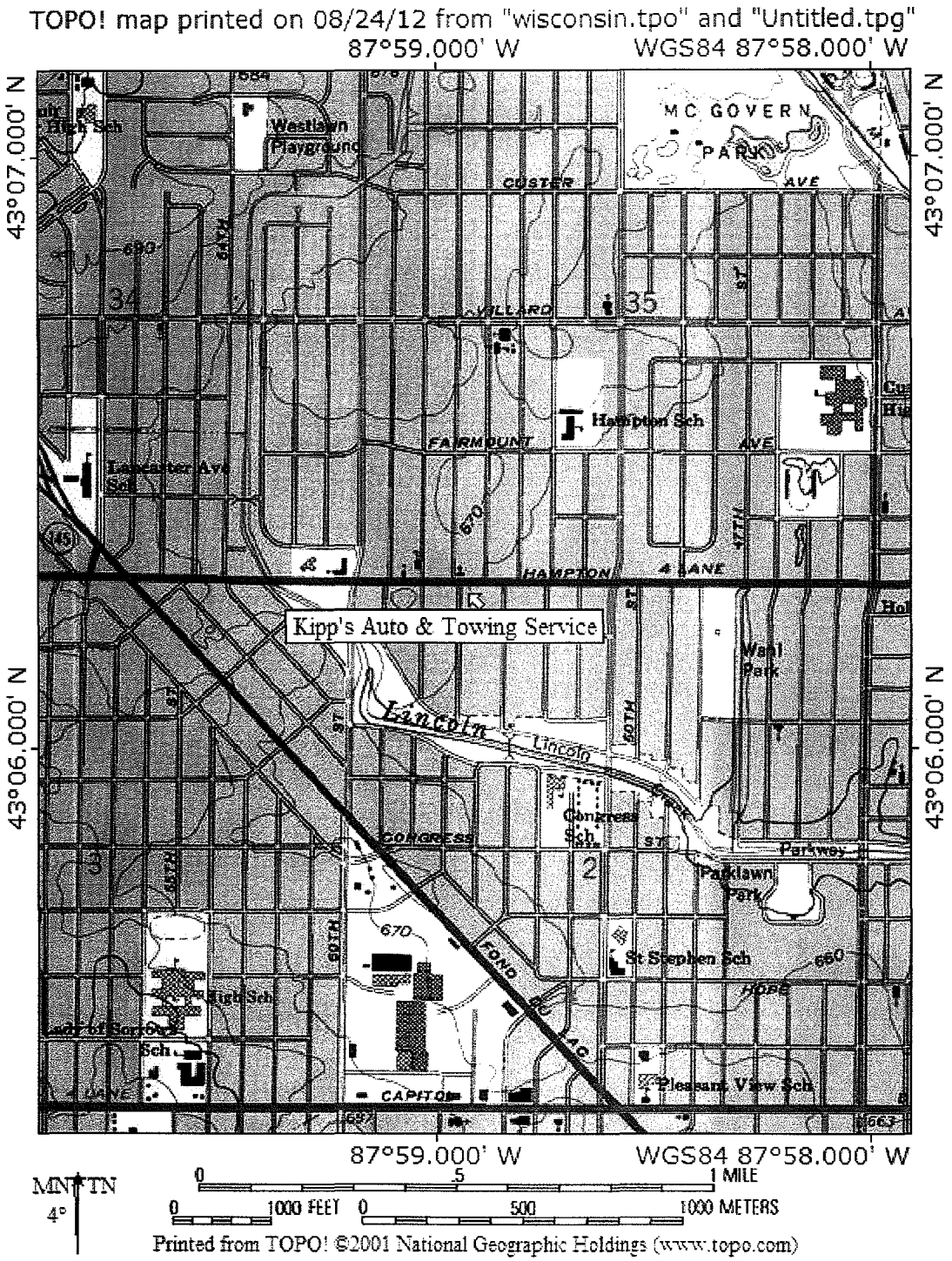
Seamless USGS Topographic Maps on CD-ROM, 2001, National Geographic Holdings, Inc., San Francisco, California.

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

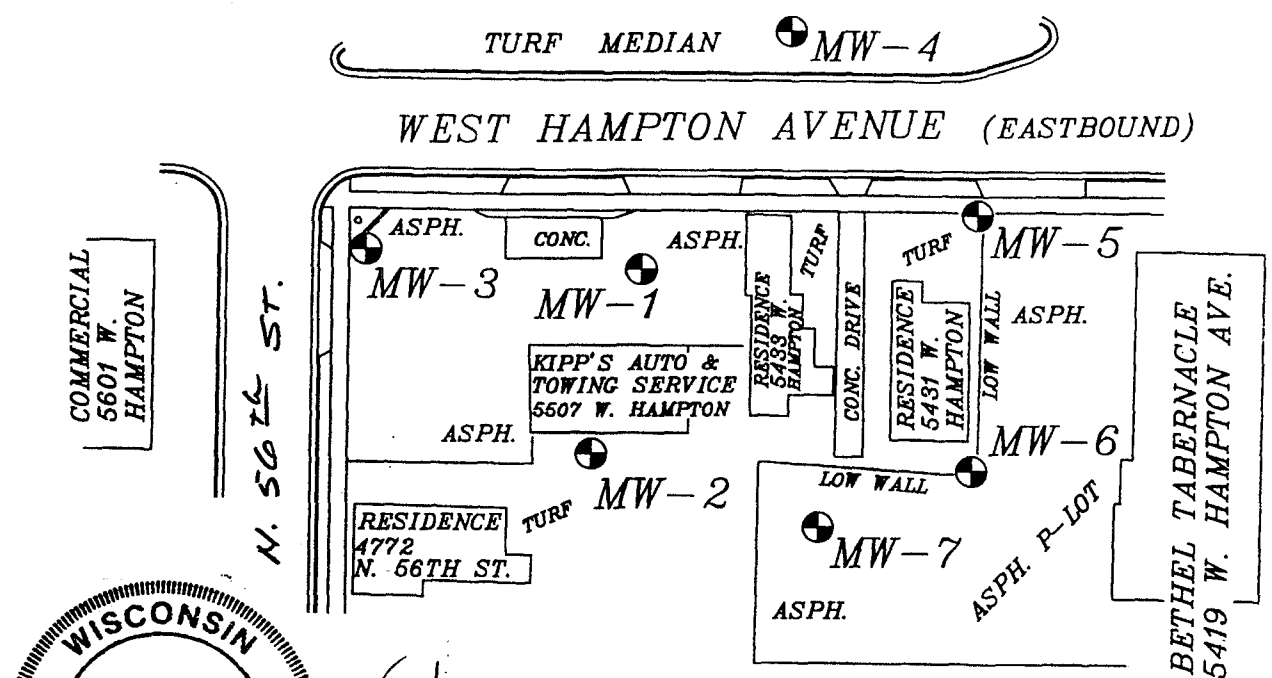
Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

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

6.0 FIGURES



SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET
KIPP'S AUTO & TOWING SERVICE – MILWAUKEE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



KEY

MONITORING WELL

N

SCALE 1" = 60'

0' 60' 120'

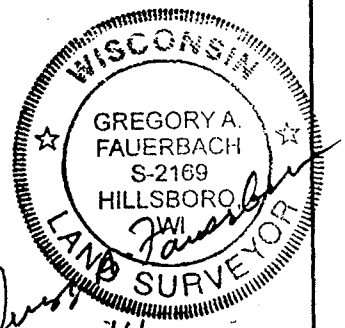
MONITORING WELLS
TOP OF WELL & TOP OF CASING
ELEVATIONS (NGVD29)

MW-1	TW	= 660.70'
	TC	= 660.40'
MW-2	TW	= 660.9' RISER
	TC	= 663.75'
MW-3	TW	= 662.30'
	TC	= 661.94'
MW-4	TW	= 660.58'
	TC	= 659.99'
MW-5	TW	= 658.80'
	TC	= 658.49'
MW-6	TW	= 658.25'
	TC	= 657.87'
MW-7	TW	= 658.08'
	TC	= 657.75'

WISCONSIN
GREGORY A.
FAUERBACH
S-2169
HILLSBORO,
WI
LAND SURVEYOR
10-1-14

DRAWN BY: G.FAUERBACH DATE: 9-23-14 FIELD DWG. NO.: 54314 BRRTS #	REVISIONS FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	PROJECT: KIPP'S AUTO & TOWING SERVICE 5507 W. HAMPTON AVE. MILWAUKEE, WI 53218	SHEET NAME LOCATION MAP	PAGE 1 OF 1

WELL	MILWAUKEE COUNTY COORD. SYSTEM NAD83(2011) NORTH	EAST	TOP OF WELL ELEVATION (NGVD29)	TOP OF PVC CASING ELEVATION (NGVD29)
MW-1	323591.36	586630.78	660.70'	660.40'
MW-2	323532.95	586614.96	660.9' GR. @ RISER	663.75'
MW-3	323597.95	586544.18	662.30'	661.94'
MW-4	323666.63	586678.19	660.58'	659.99'
MW-5	323608.16	586736.34	658.80'	658.49'
MW-6	323526.90	586733.63	658.25'	657.87'
MW-7	323509.24	586685.03	658.08'	657.75'



10-1-14

DRAWN BY: G.FAUERBACH DATE: 9-23-14 FIELD DWG. NO.: 54314 BRRTS #	REVISIONS	PROJECT: KIPP'S AUTO & TOWING SERVICE 5507 W. HAMPTON AVE. MILWAUKEE, WI 53218	SHEET NAME DATA SHEET	PAGE 1 OF 1

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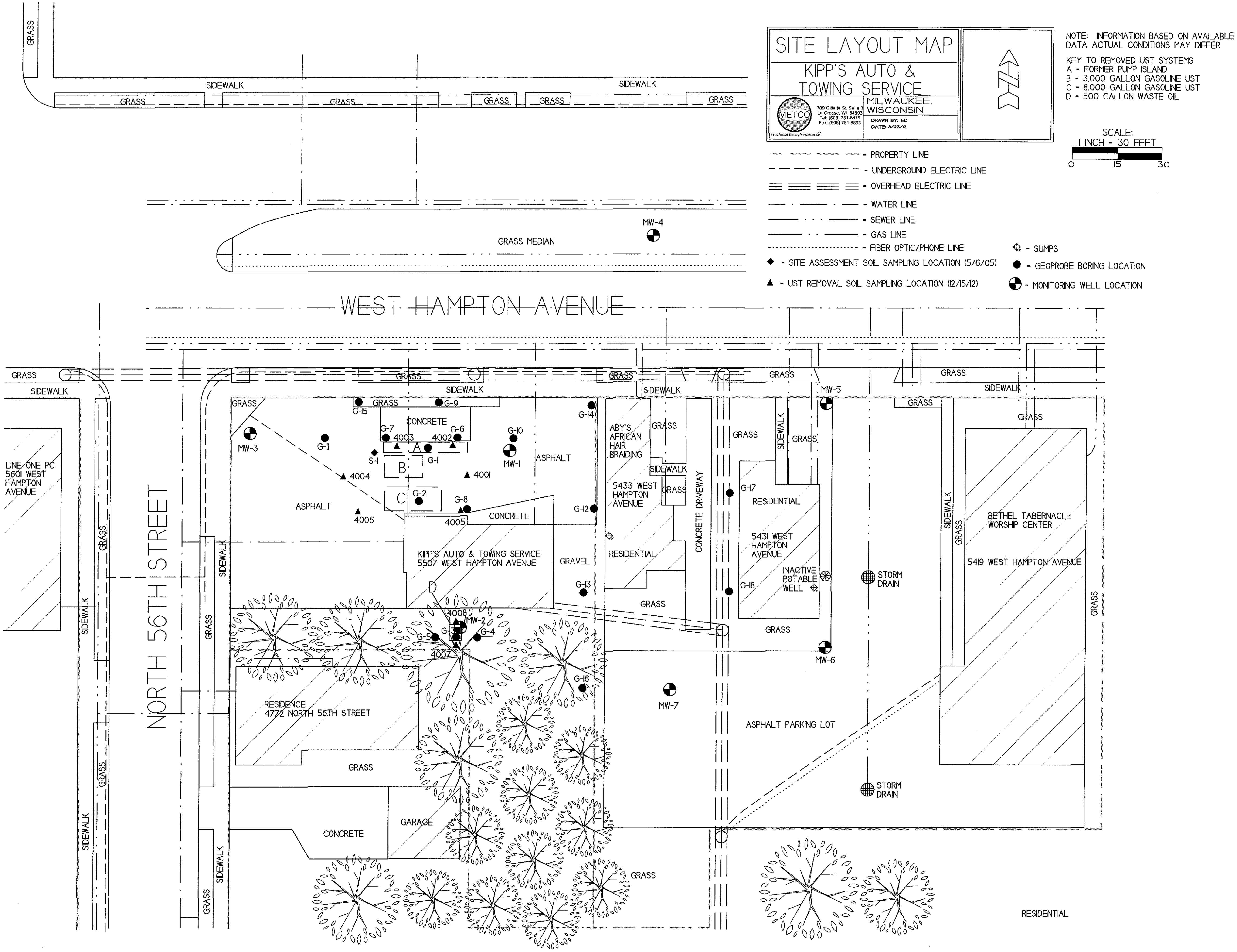
PO BOX 140, HILLSBORO, WI 54634
PH/FAX 608-489-3363



SITE LAYOUT MAP

KIPP'S AUTO & TOWING SERVICE

MILWAUKEE. WISCONSIN

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

DRAWN BY: ED
DATE: 8/23/12

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- ◆ - SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- ▲ - UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- ⊕ - SUMPS
- ● - GEOPROBE BORING LOCATION
- ◐ - MONITORING WELL LOCATION

GROUNDWATER FLOW MAP (9/23/2014)
KIPP'S AUTO & TOWING SERVICE
MILWAUKEE, WISCONSIN

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

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ V27/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- GEOPROBE BORING LOCATION
- UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- MONITORING WELL LOCATION

WEST HAMPTON AVENUE

NORTH 56TH STREET

653.00' MSL
652.73' MSL
654.00' MSL
655.00' MSL
656.00' MSL
656.59' MSL
656.01' MSL
654.03' MSL
653.23' MSL
653.02' MSL
652.73' MSL

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7

G-1 G-2 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18

S-1

A B C D

4001 4002 4003 4004 4005 4006 4007 4008

GRASS
SIDEWALK
CONCRETE
ASPHALT
GRASS MEDIAN
GRAVEL
CONCRETE DRIVEWAY
STORM DRAIN

LINE ONE PC
5601 WEST HAMPTON AVENUE

ABY'S AFRICAN HAIR BRAIDING

5433 WEST HAMPTON AVENUE

5431 WEST HAMPTON AVENUE
RESIDENTIAL

INACTIVE POTABLE WELL

BETHEL TABERNACLE WORSHIP CENTER
5419 WEST HAMPTON AVENUE

KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE

RESIDENCE
4772 NORTH 56TH STREET

GARAGE

ASPHALT PARKING LOT

RESIDENTIAL

GROUNDWATER FLOW MAP (12/17/2014)
KIPP'S AUTO & TOWING SERVICE

METCO
709 Gillette St, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8875
Fax: (608) 781-8893
Excellence through experience

MILWAUKEE, WISCONSIN

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ 1/27/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- ◆ - SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- ● - GEOPROBE BORING LOCATION
- ▲ - UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- ◔ - MONITORING WELL LOCATION

WEST HAMPTON AVENUE

NORTH 56TH STREET

654.00' MSL
655.00' MSL
653.00' MSL
652.35' MSL
656.00' MSL
656.11' MSL
655.00' MSL
655.02' MSL
652.79' MSL
653.27' MSL
654.24' MSL

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7
G-1 G-2 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18
S-1
4001 4002 4003 4004 4005 4006 4007 4008
A B C D

GRASS
SIDEWALK
CONCRETE
ASPHALT
GRAVEL
GARAGE
GRASS MEDIAN
CONCRETE DRIVEWAY
ASPHALT PARKING LOT

LINE ONE PC
5601 WEST HAMPTON AVENUE

ABY'S AFRICAN HAIR BRAIDING

5433 WEST HAMPTON AVENUE

RESIDENCE
4772 NORTH 56TH STREET

KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE

RESIDENTIAL

5431 WEST HAMPTON AVENUE

INACTIVE POTABLE WELL

STORM DRAIN

BETHEL TABERNACLE WORSHIP CENTER

5419 WEST HAMPTON AVENUE

PRE-REMEDIAL SOIL CONTAMINATION
KIPP'S AUTO & TOWING SERVICE

MILWAUKEE. WISCONSIN

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

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ 1/29/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- ◆ - SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- ● - GEOPROBE BORING LOCATION
- ▲ - UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- ⊕ - MONITORING WELL LOCATION

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL (NR720 GROUNDWATER RCL'S AND/OR NON-INDUSTRIAL DIRECT CONTACT VALUES

WEST HAMPTON AVENUE

NORTH 56TH STREET

GRASS
SIDEWALK
GRASS
GRASS
GRASS
SIDEWALK
GRASS
GRASS
GRASS
SIDEWALK
GRASS
MW-4
GRASS MEDIAN
MW-5
G-9
G-15
G-14
G-7
CONCRETE
G-6
G-10
4003
4002
A
MW-3
G-11
S-1
G-1
MW-1
ASPHALT
B
4004
4001
C
G-2
G-8
ASPHALT
4006
4005
CONCRETE
G-12
ABY'S AFRICAN HAIR BRAIDING
5433 WEST HAMPTON AVENUE
CONCRETE DRIVEWAY
G-17
RESIDENTIAL
5431 WEST HAMPTON AVENUE
INACTIVE POTABLE WELL
G-18
STORM DRAIN
BETHEL TABERNACLE WORSHIP CENTER
5419 WEST HAMPTON AVENUE
LINE ONE PC
5601 WEST HAMPTON AVENUE
KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE
GRAVEL
G-13
D
4008
MW-2
G-3
G-5
G-4
4007
G-16
MW-6
MW-7
RESIDENCE
4772 NORTH 56TH STREET
ASPHALT PARKING LOT
GARAGE
CONCRETE
RESIDENTIAL

GROUNDWATER ISOCONCENTRATION (12/17/2014)

KIPP'S AUTO & TOWING SERVICE

MILWAUKEE, WISCONSIN

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

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ 1/29/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- ◆ - SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- ● - GEOPROBE BORING LOCATION
- ▲ - UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- ⊕ - MONITORING WELL LOCATION

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ENFORCEMENT STANDARDS (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

WEST HAMPTON AVENUE

NORTH 56TH STREET

PAL ES

GRASS
SIDEWALK
GRASS MEDIAN
MW-4
MW-1
MW-2
MW-3
MW-5
MW-6
MW-7
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-11
G-12
G-13
G-14
G-15
G-16
G-17
G-18
S-1
A
B
C
D
4001
4002
4003
4004
4005
4006
4007
4008
CONCRETE
ASPHALT
GRAVEL
KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE
LINE ONE PC
5601 WEST HAMPTON AVENUE
ABY'S AFRICAN HAIR BRAIDING
5433 WEST HAMPTON AVENUE
RESIDENTIAL
5431 WEST HAMPTON AVENUE
INACTIVE POTABLE WELL
CONCRETE DRIVEWAY
STORM DRAIN
BETHEL TABERNACLE WORSHIP CENTER
5419 WEST HAMPTON AVENUE
RESIDENCE
4772 NORTH 56TH STREET
GARAGE
ASPHALT PARKING LOT

GEOLOGIC CROSS SECTION
KIPP'S AUTO & TOWING SERVICE

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

MILWAUKEE, WISCONSIN

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ 1/29/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A - FORMER PUMP ISLAND
B - 3,000 GALLON GASOLINE UST
C - 8,000 GALLON GASOLINE UST
D - 500 GALLON WASTE OIL

SCALE:
1 INCH = 30 FEET
0 15 30

- PROPERTY LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- WATER LINE
- SEWER LINE
- GAS LINE
- FIBER OPTIC/PHONE LINE
- ◆ - SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
- ● - GEOPROBE BORING LOCATION
- ▲ - UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
- ⊕ - MONITORING WELL LOCATION

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ENFORCEMENT STANDARDS (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL (NR720 GROUNDWATER RCL'S AND/OR NON-INDUSTRIAL DIRECT CONTACT VALUES

WEST HAMPTON AVENUE

NORTH 56TH STREET

GRASS MEDIAN

MW-4

MW-5

MW-6

MW-7

MW-1

MW-2

MW-3

G-1 G-2 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18

S-1

A A'

B C D

4001 4002 4003 4004 4005 4006 4007

ES PAL

LINE ONE PC
5601 WEST HAMPTON AVENUE

KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE

ABY'S AFRICAN HAIR BRAIDING

5433 WEST HAMPTON AVENUE

5431 WEST HAMPTON AVENUE

RESIDENCE
4772 NORTH 56TH STREET

BETHEL TABERNACLE WORSHIP CENTER

5419 WEST HAMPTON AVENUE

INACTIVE POTABLE WELL

STORM DRAIN

CONCRETE DRIVEWAY

ASPHALT PARKING LOT

CONCRETE

ASPHALT

GRAVEL

GARAGE

RESIDENTIAL

GRASS

SIDEWALK

GEOLOGIC CROSS SECTION (CLOSE UP)
KIPP'S AUTO & TOWING SERVICE

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

MILWAUKEE, WISCONSIN

DRAWN BY: ED
DATE: 8/23/12
MODIFIED BY: JJ 1/29/15

SCALE:
1 INCH = 20 FEET
0 20

- = PROPERTY LINE
- = UNDERGROUND ELECTRIC LINE
- = OVERHEAD ELECTRIC LINE
- = WATER LINE
- = SEWER LINE
- = GAS LINE
- = FIBER OPTIC/PHONE LINE

◆ = SITE ASSESSMENT SOIL SAMPLING LOCATION (5/6/05)
▲ = UST REMOVAL SOIL SAMPLING LOCATION (12/15/12)
● = GEOPROBE BORING LOCATION
⊕ = MONITORING WELL LOCATION

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST SYSTEMS
A = FORMER PUMP ISLAND
B = 3,000 GALLON GASOLINE UST
C = 8,000 GALLON GASOLINE UST
D = 500 GALLON WASTE OIL

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING NR140 ENFORCEMENT STANDARDS (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

WEST HAMPTON AVENUE

GRASS
SIDEWALK
LINE ONE PC
5601 WEST
HAMPTON
AVENUE
NORTH 56TH STREET
GRASS
SIDEWALK
GRASS
SIDEWALK
GRASS
G-15
G-9
G-14
CONCRETE
G-7
4003
4002
G-6
G-10
MW-3
G-11
S-1
A
G-1
MW-1
ASPHALT
B
4004
4001
C
G-2
G-8
ASPHALT
4006
4005
CONCRETE
G-12
KIPP'S AUTO & TOWING SERVICE
5507 WEST HAMPTON AVENUE
GRAVEL
G-13
D
4008
MW-2
G-3
G-4
G-5
4007
RESIDENCE
4772 NORTH 56TH STREET
ABY'S
AFRICAN
HAIR
BRAIDING
GRASS
SIDEWALK
5433 WEST
HAMPTON
AVENUE
GRASS
RESIDENTIAL
CONCRETE DRIVEWAY
GRASS
SIDEWALK
GRASS
MW-5
GRASS
G-17
RESIDENTIAL
5431 WEST
HAMPTON
AVENUE
INACTIVE
POTABLE
WELL
G-18
STORM
DRAIN
GRASS
MW-6
A'
G-16
MW-7
ASPHALT PARKING LOT
SIDEWALK
GRASS
5419

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN SOIL (NR720 GROUNDWATER RCL'S AND/OR NON-INDUSTRIAL DIRECT CONTACT VALUES

FIGURE B.3.a.3 GEOLOGIC CROSS SECTION FIGURE

Kipp's Auto & Towing Service

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

MILWAUKEE, WISCONSIN

DRAWN BY: JJ 2/3/15

VERTICAL SCALE: 1 INCH = 5 FEET (5 / 0)

HORIZONTAL SCALE: 1 INCH = 20 FEET (0 – 20)

- MONITORING WELL LOCATION
- SOIL SAMPLING LOCATION
- GEOPROBE BORING LOCATION
- SOIL SAMPLING LOCATION
- WATERTABLE

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

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

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

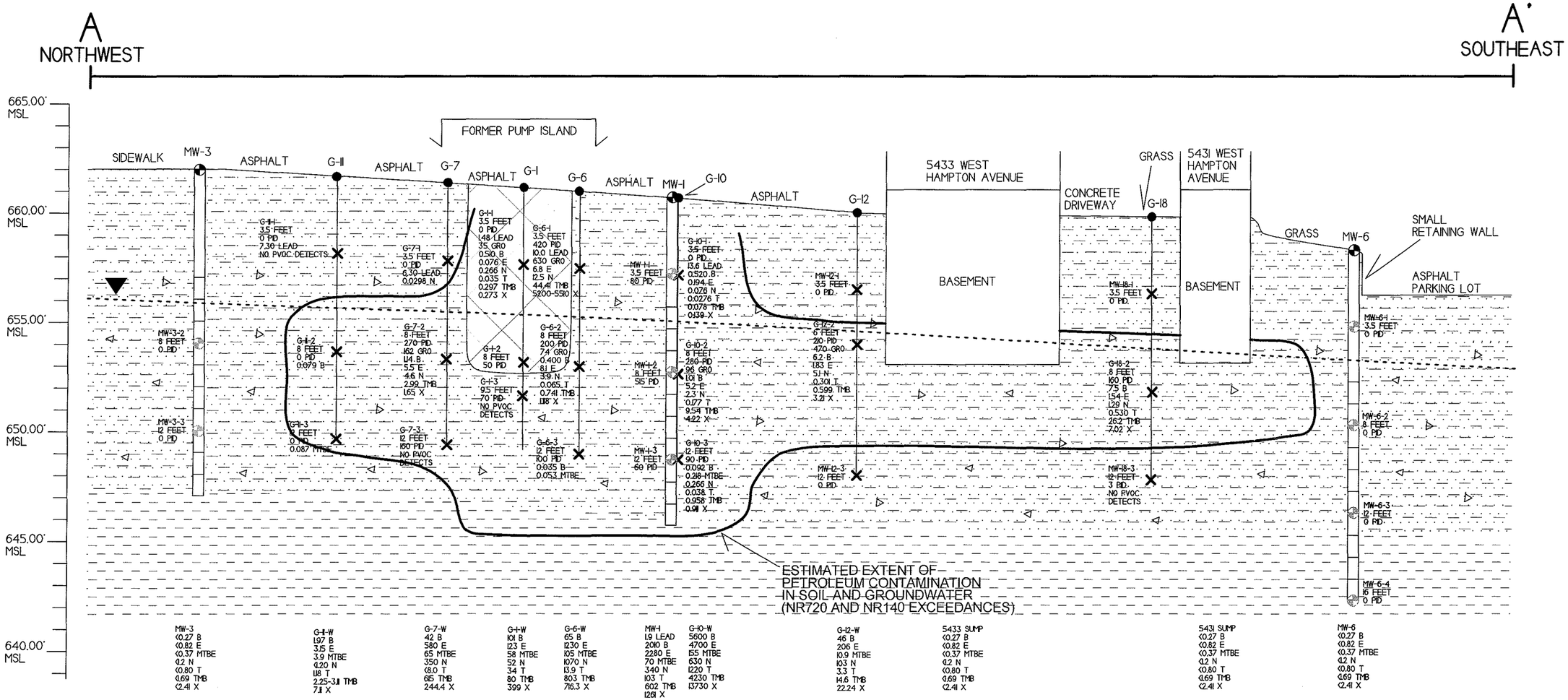
GROUNDWATER FLOW IS TOWARD THE EAST.

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

PID - PHOTO IONIZATION DETECTOR
GRO - GASOLINE RANGE ORGANICS
PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
B - BENZENE
E - ETHYLBENZENE
MTBE - METHYL-TERT-BUTYL-ETHER
N - NAPHTHALENE
T - TOLUENE
TMB - TRIMETHYLBENZENE
X - XYLENE

NOTE: SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
- GEOPROBE PROJECT (4/22/13)
- DRILLING PROJECT (3/31/14)
- ROUND 2 GROUNDWATER SAMPLING (12/17/14)

- TAN TO GRAY TO GREEN TO BROWN SANDY CLAY TO CLAY
- TAN SAND AND PEA GRAVEL (FILL MATERIAL)
- TAN TO GRAY TO GREEN TO BROWN SANDY CLAY TO CLAY WITH GRAVEL
- TAN TO GRAY CLAY



A.2. Pre-remedial Soil Analytical Table
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Cadmium, Total (ppm)	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC & PAH COMBINED: Individual Exeedance Count	Hazard Index	Cumulative Cancer Risk
S-1-3	7.0	S	05/06/05	NS	NS	NS	15	69	NOT SAMPLED								NS			
4071954001	5.0	U	12/15/12	NS	NS	NS	NS	10.4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025		<0.050	NS			
4071954002	5.0	U	12/15/12	NS	NS	NS	NS	108	<0.025	<0.025	<0.025	0.238	<0.025	0.278		0.503	NS			
4071954003	5.0	U	12/15/12	NS	NS	NS	NS	34.6	<0.025	0.118	<0.025	0.293	<0.025	0.1249		0.0368	NS			
4071954004	5.0	U	12/15/12	NS	NS	NS	NS	152	<0.025	0.555	**0.0652**	**0.983**	<0.025	0.692		0.478	NS			
4071954005	5.0	U	12/15/12	NS	NS	NS	NS	302	<0.100	<0.100	<0.100	0.500	<0.025	0.565		0.680	NS			
4071954006	5.0	U	12/15/12	NS	NS	NS	NS	<3.3	<0.025	<0.025	<0.025	<0.025	<0.025	0.058		<0.050	NS			
4071954007	5.0	U	12/15/12	NS	NS	NS	72.2	<3.2	<0.025	<0.025	<0.025	0.0597	<0.025	0.359		<0.050	NS			
4071954008	5.0	U	12/15/12	NS	NS	NS	4140	847	<0.250	**3.12**	<0.250	**1.14**	<0.025	**85.89**		7.7	NS			
G-1-1	3.5	U	04/22/13	0	NS	1.48	NS	35	**0.510**	0.076	<0.025	0.266	0.035	0.069	0.228	0.273	NS	0	1.11E-02	4.0E-07
G-1-2	8.0	S	04/22/13	50	NS	NOT SAMPLED											NS			
G-1-3	9.5	S	04/22/13	70	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-2-1	3.5	U	04/22/13	30	NS	4.68	NS	11.0	**0.123**	<0.025	<0.025	0.164	<0.025	0.032	0.077	0.108	NS	0	1.43E-02	1.1E-07
G-2-2	8.0	S	04/22/13	50	NS	NOT SAMPLED											NS			
G-2-3	12.0	S	04/22/13	50	NS	NS	NS	<10	**0.034**	0.063	**0.070**	**0.930**	<0.025	<0.025	<0.025	<0.075	NS			
G-3-1	3.5	U	04/22/13	0	<0.08	**135**	401	NS	<0.025	<0.025	<0.025	<0.025	0.075	0.043	0.0289	0.156	NS	3	3.38E-01	1.0E-05
G-3-2	8.0	U	04/22/13	20	NS	NS	<10	NS	**0.077**	0.034	<0.025	0.051	<0.025	<0.025	<0.025	<0.075	NS			
G-3-3	12.0	S	04/22/13	5	NS	NS	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-1	3.5	U	04/22/13	0	<0.08	13.30	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	1	3.33E-02	2.8E-06
G-4-2	4–8		04/22/13	NO RECOVERY													NS			
G-4-3	12.0	S	04/22/13	0	NS	NS	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-4-4	16.0	S	04/22/13	0	NS	NS	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-1	3.5	U	04/22/13	0	<0.08	9.42	<10	NS	<0.025	<0.025	<0.025	<0.025	0.041	0.0252	<0.025	0.041-0.091	NS	0	2.39E-02	
G-5-2	8.0	U	04/22/13	0	NS	NS	<10	NS	**0.031**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-3	12.0	S	04/22/13	0	NS	NS	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-4	16.0	S	04/22/13	0	NS	NS	<10	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	3.5	U	04/22/13	420	NS	10.0	NS	630	<0.092	**6.8**	<0.300	**12.5**	<0.200	**44**	**0.41**	**5200-5510**	SEE VOC SPREAD-SHEET	2	6.43E+00	3.3E-06
G-6-2	8.0	S	04/22/13	200	NS	NS	NS	74	**0.400**	**8.1**	<0.025	**3.9**	0.065	0.171	0.570	1.118	NS			
G-6-3	12.0	S	04/22/13	100	NS	NS	NS	<10	**0.035**	<0.025	**0.053**	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-7-1	3.5	U	04/22/13	0	NS	6.30	NS	<10	<0.025	<0.025	<0.025	0.0298	<0.025	<0.025	<0.025	<0.075	NS	0	1.59E-02	5.8E-09
G-7-2	8.0	S	04/22/13	270	NS	NS	NS	162	**1.14**	**5.5**	<0.025	**4.6**	0.257	**1.06**	**1.93**	1.65	NS			
G-7-3	12.0	S	04/22/13	160	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-8-1	3.5	U	04/22/13	0	NS	**57.9**	NS	<10	**0.263**	0.210	<0.025	<0.025	0.140	0.294	0.141	0.894	NS	0	1.52E-01	1.8E-07
G-8-2	8.0	S	04/22/13	100	NS	NS	NS	101	**1.93**	0.460	<0.025	1.3	0.147	0.154	0.231	0.912	NS			
G-8-3	12.0	S	04/22/13	40	NS	NS	NS	<10	**0.032**	<0.025	**0.181**	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-9-1	3.5	U	04/22/13	0	NS	6.70	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.68E-02	
G-9-2	8.0	S	04/22/13	300	NS	NS	NS	199	**0.860**	**10.9**	<0.025	**4.5**	0.128	**11**	**1.38**	**8.415**	NS			
G-9-3	12.0	S	04/22/13	130	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-1	3.5	U	04/22/13	0	NS	13.6	NS	<10	**0.520**	0.194	<0.025	**0.076**	0.0276	0.043	0.035	0.139	NS	0	3.98E-02	3.9E-07
G-10-2	8.0	S	04/22/13	280	NS	NS	NS	96	**1.01**	**5.2**	<0.025	**2.3**	0.177	**7**	**2.54**	**4.22**	NS			
G-10-3	12.0	S	04/22/13	90	NS	NS	NS	<10	**0.092**	0.292	**0.218**	0.266	0.038	0.690	0.268	0.911	NS			
G-11-1	3.5	U	04/22/13	0	NS	7.30	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.83E-02	
G-11-2	8.0	S	04/22/13	0	NS	NS	NS	<10	**0.079**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-11-3	12.0	S	04/22/13	0	NS	NS	NS	<10	<0.025	<0.025	**0.087**	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-12-1	3.5	U	04/22/13	0	NS	NOT SAMPLED											NS			
G-12-2	6.0	S	04/22/13	210	NS	NS	NS	470	**6.2**	**1.83**	<0.025	**5.1**	0.301	0.089	0.510	3.21	NS			
G-12-3	12.0	S	04/22/13	0	NS	NOT SAMPLED											NS			
G-13-1	3.5	U	04/22/13	0	NS	NOT SAMPLED											NS			
G-13-2	8.0	U	04/22/13	300	NS	NS	NS	173	**1.55**	**5.2**	<0.025	**5.8**	0.089	0.520	1	0.740	NS			
G-13-3	12.0	S	04/22/13	0	NS	NOT SAMPLED											NS			
G-14-1	3.5	U	04/22/13	0	NS	NOT SAMPLED											NS			
G-14-2	8.0	S	04/22/13	260	NS	NS	NS	540	**10.6**	**13.1**	<0.025	**4.6**	0.710	0.111	**1.56**	2.67	NS			
G14-3	12.0	S	04/22/13	0	NS	NOT SAMPLED											NS			
G-15-1	3.5	U	04/23/13	0	NS	NOT SAMPLED											NS			
G-15-2	7.0	S	04/23/13	170	NS	NS	NS	286	**1.41**	**4.7**	<0.025	**3.7**	0.185	0.301	0.530	1.599	NS			
G-15-3	12.0	S	04/23/13	10	NS	NOT SAMPLED											NS			
G-16-1	3.5	U	04/23/13	0	NS	NOT SAMPLED											NS			
G-16-2	8.0	S	04/23/13	0	NS	NOT SAMPLED											NS			
G16-3	12.0	S	04/23/13	0	NS	NOT SAMPLED											NS			
G-16-4	16.0	S	04/23/13	0	NS	NOT SAMPLED											NS			
Groundwater RCL					**0.752**	27	-	-	**0.00512**	**1.57**	**0.027**	**0.659**	**1.11**	**1.38**		**3.94**	-			
Non-Industrial Direct Contact RCL					**70.2**	**400**	-	-	**1.49**	**7.47**	**59.4**	**5.15**	**818**	**89.8**	**182**	**258**	-		**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*					-	-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
(ppm) = parts per million
NS = Not Sampled
NM = Not Measured
VOC's = Volatile Organic Compounds
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds

A.2. Pre-remedial Soil Analytical Table
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Cadmium, Total (ppm)	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC & PAH COMBINED: Individual Exeedance Count	PVOC & PAH COMBINED: Hazard Index	PVOC & PAH COMBINED: Cumulative Cancer Risk
MW-3-1	NO RECOVERY																NS			
MW-3-2	8.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-3-3	12.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-4-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
MW-4-2	8.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-4-3	12.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-5-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
MW-5-2	8.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-5-3	12.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-6-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
MW-6-2	8.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-6-3	12.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-6-4	16.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-7-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
MW-7-2	8.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
MW-7-3	12.0	S	03/31/14	0	NS	NOT SAMPLED											NS			
G-17-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
G-17-2	8.0	S	03/31/14	0	NS	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-17-3	11.0	S	03/31/14	0	NS	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-18-1	3.5	U	03/31/14	0	NS	NOT SAMPLED											NS			
G-18-2	8.0	S	03/31/14	160	NS	NS	NS	NS	7.5	1.54	<0.025	1.29	0.530	19.1	7.1	7.02	NS			
G-18-3	12.0	S	03/31/14	3	NS	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-1-1	3.5	U	04/01/14	80	NS	NOT SAMPLED											NS			
MW-1-2	8.0	S	04/01/14	515	NS	NOT SAMPLED											TCLP LEAD <0.45 TCLP BENZENE <0.05			
MW-1-3	12.0	S	04/01/14	60	NS	NOT SAMPLED											NS			
MW-2-1	3.5	U	04/01/14	0	NS	NOT SAMPLED											NS			
MW-2-2	8.0	U	04/01/14	10	NS	NOT SAMPLED											NS			
MW-2-3	12.0	S	04/01/14	0	NS	NOT SAMPLED											NS			
Groundwater RCL					**0.752**	**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.659**	**1.11**	**1.38**		**3.94**	-			
Non-Industrial Direct Contact RCL					**70.2**	**400**	-	-	**1.49**	**7.47**	**59.4**	**5.15**	**818**	**89.8**	**182**	**258**	-		**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*					-	-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
(ppm) = parts per million
NS = Not Sampled
NM = Not Measured
VOC's = Volatile Organic Compounds
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds

A.2. Pre-remedial Soil Analytical Table
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Sampling Conducted on April 22, 2013

VOC's		Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	**G-6-1**			
Sample Depth/ft.	**3.5**			
Solids Percent	78.4			
Lead/ppm	10.0	27	400	= =
Gasoline Range Organics/ppm	630	= =	= =	= =
Benzene/ppb	<0.092	0.00512	1.49	1820
Bromobenzene/ppb	<0.130	= =	354	= =
Bromodichloromethane/ppb	<0.270	0.000326	0.39	= =
Bromoform/ppb	<0.300	0.00233	61.6	= =
tert-Butylbenzene/ppb	<0.200	= =	183	183
sec-Butylbenzene/ppb	2.09	= =	145	145
n-Butylbenzene/ppb	7.1	= =	108	108
Carbon Tetrachloride/ppb	<0.250	0.00388	0.85	= =
Chlorobenzene/ppb	<0.160	= =	392	= =
Chloroethane/ppb	<0.420	0.227	= =	= =
Chloroform/ppb	<0.490	0.0033	0.42	= =
Chloromethane/ppb	<1.810	0.0155	171	= =
2-Chlorotoluene/ppb	<0.160	= =	= =	= =
4-Chlorotoluene/ppb	<0.140	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppb	<0.480	0.000173	0.01	= =
Dibromochloromethane/ppb	<0.140	0.032	0.93	= =
1,4-Dichlorobenzene/ppb	<0.330	0.144	3.48	= =
1,3-Dichlorobenzene/ppb	<0.300	1.15	297	297
1,2-Dichlorobenzene/ppb	<0.380	1.17	376	376
Dichlorodifluoromethane/ppb	<0.570	3.08	135	= =
1,2-Dichloroethane/ppb	<0.360	0.00284	0.61	540
1,1-Dichloroethane/ppb	<0.190	0.484	4.72	= =
1,1-Dichloroethene/ppb	<0.210	0.00502	342	= =
cis-1,2-Dichloroethene/ppb	<0.240	0.0412	156	= =
trans-1,2-Dichloroethene/ppb	<0.290	0.0588	211	= =
1,2-Dichloropropane/ppb	<0.095	0.00332	1.33	= =
2,2-Dichloropropane/ppb	<0.460	= =	527	527
1,3-Dichloropropane/ppb	<0.210	= =	1490	1490
Di-isopropyl ether/ppb	<0.110	= =	2260	2260
EDB (1,2-Dibromoethane)/ppb	<0.200	0.0000282	0.05	= =
Ethylbenzene/ppb	**6.8**	1.57	7.47	480
Hexachlorobutadiene/ppb	<0.950	= =	6.23	= =
Isopropylbenzene/ppb	2.62	= =	= =	= =
p-Isopropyltoluene/ppb	1.3	= =	162	162
Methylene chloride/ppb	<0.570	0.00256	60.7	= =
Methyl tert-butyl ether (MTBE)/ppb	<0.300	0.027	59.4	8870
Naphthalene/ppb	**12.5**	0.659	5.15	= =
n-Propylbenzene/ppb	12	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppb	<0.120	0.000156	0.75	= =
1,1,1,2-Tetrachloroethane/ppb	<0.230	0.0533	2.59	= =
Tetrachloroethene (PCE)/ppb	<0.490	0.00454	30.7	= =
Toluene/ppb	<0.200	1.11	818	818
1,2,4-Trichlorobenzene/ppb	<0.790	0.408	22.1	= =
1,2,3-Trichlorobenzene/ppb	<1.290	= =	48.9	= =
1,1,1-Trichloroethane/ppb	<0.380	0.14	= =	= =
1,1,2-Trichloroethane/ppb	<0.230	0.00324	1.48	= =
Trichloroethene (TCE)/ppb	<0.280	0.00358	0.64	= =
Trichlorofluoromethane/ppb	<0.860	= =	1120	= =
1,2,4-Trimethylbenzene/ppb	**44**	1.38	89.8	219
1,3,5-Trimethylbenzene/ppb	**0.410**		182	182
Vinyl Chloride/ppb	<0.210	0.000138	0.07	= =
m&p-Xylene/ppb	**5.2**	3.94	258	258
o-Xylene/ppb	<0.310			

NS = not sampled, NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
= = No Exceedences

A.2. Pre-remedial Soil Analytical Table
(PAH)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

																					PVOC & PAH COMBINED		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,I) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	Individual Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-3-1	3.5	U	04/22/13	<0.0218	<0.0192	<0.0195	0.063	**0.094**	**0.163**	0.370	0.049	0.082	**0.0231**	0.085	<0.0222	0.114	<0.0207	0.0207	<0.0221	0.035	0.126	**3**	3.38E-01	1.0E-05
G-4-1	3.5	U	04/22/13	<0.0218	<0.0192	<0.0195	0.0246	**0.0297**	0.059	0.047	0.023	0.04	<0.0223	0.0269	<0.0222	0.03	<0.0207	<0.0206	<0.0221	<0.0224	0.0316	**1**	3.33E-02	2.8E-06
G-5-1	3.5	U	04/22/13	<0.0218	<0.0192	<0.0195	<0.0229	<0.0174	<0.0196	0.0241	<0.0216	<0.0181	<0.0223	<0.0211	<0.0222	<0.239	<0.0207	<0.0206	<0.0221	<0.0224	<0.0231			
Groundwater RCL				---	---	**197**	---	**0.47**	**0.48**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.659**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3440**	---	**17200**	**0.148**	**0.0148**	**0.148**	---	**1.48**	**14.8**	**0.0148**	**2290**	**2290**	**0.148**	**15.6**	**229**	**5.15**	---	**1720**		**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline =Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
NS = Not Sampled
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

A.1 Groundwater Analytical Table
(Geoprobe)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Sample ID	Date	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
G-1-W	04/22/13	**101**	123	*58*	*52*	34	80	399
G-2-W	04/22/13	**14**	18.9	*38*	9.0	2.24	23.1	21.41
G-3-W	04/22/13	**5.5**	5.9	8.0	3.5	1.28	55.1	14.7
G-4-W	04/22/13	<0.27	<0.82	5.4	0.053	<0.8	<1.69	<2.41
G-5-W	04/22/13	0.42	<0.82	*25.8*	0.032	<0.8	<1.69	<2.41
G-6-W	04/22/13	**65**	**1230**	**105**	**1070**	13.9	**803**	*716.3*
G-7-W	04/22/13	**42**	*580*	**65**	**350**	<8	**615**	244.4
G-8-W	04/22/13	**34**	16.5	**90**	6.5	3.2	23.2	29.7
G-9-W	04/22/13	**57**	**2880**	**78**	**780**	28.9	**3362**	**2620.1**
G-10-W	04/22/13	**5600**	**4700**	**155**	**630**	**1220**	**4230**	**13730**
G-11-W	04/22/13	*1.97*	3.15	3.9	<1.2	1.18	2.25-3.11	7.11
G-12-W	04/22/13	**46**	*206*	10.9	**103**	3.3	14.6	22.24
G-13-W	04/22/13	**121**	**1200**	<3.7	**460**	<8	*220*	65-73.1
G-14-W	04/22/13	**19.5**	112	10.7	*43*	1.51	8.89	6.40-7.21
G-15-W	04/23/13	**14.4**	*269*	<1.85	**208**	21.6	86.4	133.1
G-16-W	04/23/13	*3.3*	12.7	*13.6*	6.7	24.3	36.7	81.2
ENFORCE MENT STANDARD **ES = Bold**		5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL* = *Italics*		0.5	140	12	10	160	96	400

NS = Not Sampled
(ppb) = parts per billion (ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
(Geoprobe PAH)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Sample	Date	Acenaph-thene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
G-1-W	04/22/13	NOT SAMPLED																	
G-2-W	04/22/13	NOT SAMPLED																	
G-3-W	04/22/13	0.038	0.032	0.022	0.030	*0.025*	*0.030*	0.091	<0.027	*0.03*	<0.023	0.027	0.036	<0.027	4.1	1.31	3.5	0.086	0.06
G-4-W	04/22/13	<0.021	<0.02	<0.02	<0.025	<0.018	<0.02	<0.023	<0.027	<0.018	<0.023	<0.026	<0.02	<0.027	0.033	0.031	0.053	<0.018	<0.025
G-5-W	04/22/13	<0.021	<0.02	<0.02	<0.025	<0.018	<0.02	<0.023	<0.027	<0.018	<0.023	<0.026	<0.02	<0.027	0.035	0.019	0.032	<0.018	<0.025
G-6-W	04/22/13	NOT SAMPLED																	
G-7-W	04/22/13	NOT SAMPLED																	
G-8-W	04/22/13	NOT SAMPLED																	
G-9-W	04/22/13	NOT SAMPLED																	
G-10-W	04/22/13	NOT SAMPLED																	
G-11-W	04/22/13	NOT SAMPLED																	
G-12-W	04/22/13	NOT SAMPLED																	
G-13-W	04/22/13	NOT SAMPLED																	
G-14-W	04/22/13	NOT SAMPLED																	
G-15-W	04/23/13	NOT SAMPLED																	
G-16-W	04/23/13	NOT SAMPLED																	
ENFORCE MENT 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

NS = Not Sampled
(ppb) = parts per billion (ppm) = parts per million

A.1 Groundwater Analytical Table
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-1
PVC Elevation = 660.40 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	656.01	4.39	*1.5*	**2010**	<4.4	*52*	**370**	83	**591**	*1448*
12/17/14	655.00	5.40	*1.9*	**2010**	**2280**	**70**	**340**	103	**602**	*1261*
ENFORCE MENT STANDARD ES = Bold			**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).

Well MW-2
PVC Elevation = 663.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	654.03	9.72	<0.06	*0.74*	<0.55	5.2	<1.7	<0.69	<3.6	<1.32
12/17/14	655.02	8.73	NS	*1.39*	<0.82	4	NS	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = Bold			**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).

Well MW-3
PVC Elevation = 661.94 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	656.59	5.35	<0.06	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
12/17/14	656.11	5.83	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = Bold			**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
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-4
PVC Elevation = 659.99 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	652.73	7.26	<0.06	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
12/17/14	652.35	7.64	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**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).

Well MW-5
PVC Elevation = 658.49 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	652.73	5.76	<0.06	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
12/17/14	652.79	5.70	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**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).

Well MW-6
PVC Elevation = 657.87 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	653.23	4.64	<0.06	*0.57*	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
12/17/14	653.27	4.60	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**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
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-7
PVC Elevation = 657.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	653.02	4.73	<0.06	<0.24	<0.55	*15.8*	<1.7	<0.69	<3.6	<1.32
12/17/14	654.24	3.51	NS	*0.53*	<0.82	3.3	NS	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			**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).

5431 Sump

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	NM	NM	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
12/17/14	NOT SAMPLED									
ENFORCE MENT STANDARD **ES = Bold**			**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).

5433 Sump

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/23/14	NM	NM	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
12/17/14	NOT SAMPLED									
ENFORCE MENT STANDARD **ES = Bold**			**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
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well Sampling Conducted on:	09/23/14	09/23/14	09/23/14	09/23/14	09/23/14	09/23/14	09/23/14		
VOC's								**ENFORCE MENT STANDARD = ES – Bold**	***PREVENTIVE ACTION LIMIT = PAL - Italics***
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**		
Lead, dissolved/ppb	*1.5 "J"*	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	**15**	*1.5*
Benzene/ppb	**2010**	*0.74 "J"*	< 0.24	< 0.24	< 0.24	*0.57 "J"*	< 0.24	**5**	*0.5*
Bromobenzene/ppb	< 3.2	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	==	==
Bromodichloromethane/ppb	< 3.7	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	**0.6**	*0.06*
Bromoform/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	==	==
sec-Butylbenzene/ppb	14.8	1.07	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
n-Butylbenzene/ppb	39	0.53 "J"	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==	==
Carbon Tetrachloride/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**5**	*0.5*
Chlorobenzene/ppb	< 2.4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 6.3	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	**400**	*80*
Chloroform/ppb	< 2.8	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	**6**	*0.6*
Chloromethane/ppb	< 8.1	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	**30**	*3*
2-Chlorotoluene/ppb	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==	==
4-Chlorotoluene/ppb	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 8.8	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	**0.2**	*0.02*
Dibromochloromethane/ppb	< 2.2	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	**60**	*6*
1,4-Dichlorobenzene/ppb	< 3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	**75**	*15*
1,3-Dichlorobenzene/ppb	< 2.8	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	**600**	*120*
1,2-Dichlorobenzene/ppb	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	**600**	*60*
Dichlorodifluoromethane/ppb	< 4.4	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	**1000**	*200*
1,2-Dichloroethane/ppb	< 4.1	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	**5**	*0.5*
1,1-Dichloroethane/ppb	< 3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	**850**	*85*
1,1-Dichloroethene/ppb	< 4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 3.8	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	**100**	*20*
1,2-Dichloropropane/ppb	< 3.2	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	**5**	*0.5*
2,2-Dichloropropane/ppb	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	==	==
1,3-Dichloropropane/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	==	==
Di-isopropyl ether/ppb	< 2.3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	==	==
EDB (1,2-Dibromoethane)/ppb	< 4.4	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	**0.05**	*0.005*
Ethylbenzene/ppb	**1970**	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	**700**	*140*
Hexachlorobutadiene/ppb	< 15	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	==	==
Isopropylbenzene/ppb	84	4.4	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==	==
p-Isopropyltoluene/ppb	6.7 "J"	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==	==
Methylene chloride/ppb	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/ppb	*52*	5.2	< 0.23	< 0.23	< 0.23	< 0.23	*15.8*	**60**	*12*
Naphthalene/ppb	**370**	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**100**	*10*
n-Propylbenzene/ppb	230	1.36	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,1,2,2-Tetrachloroethane/ppb	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**5**	*0.5*
Toluene/ppb	83	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 9.8	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 18	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	==	==
1,1,1-Trichloroethane/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**200**	*40*
1,1,2-Trichloroethane/ppb	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	**5**	*0.5*
Trichlorofluoromethane/ppb	< 7.1	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	==	==
1,2,4-Trimethylbenzene/ppb	**480**	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2		
1,3,5-Trimethylbenzene/ppb	**111**	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 1.8	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	**0.2**	*0.02*
m&p-Xylene/ppb	*1380*	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69		
o-Xylene/ppb	*68*	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	**Total Xylenes 2000**	*Total Xylenes 400*

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

A.1 Groundwater Analytical Table
(PAH)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-1

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	NOT SAMPLED																	
12/17/14	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-2

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	<0.018	<0.0.2	<0.018	<0.023	<0.02	<0.019	<0.024	<0.027	<0.018	<0.028	<0.022	<0.022	<0.027	<0.021	<0.024	0.046	<0.018	<0.022
12/17/14	SAMPLE BOTTLE RECEIVED BROKEN																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-3

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	NOT SAMPLED																	
12/17/14	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.1 Groundwater Analytical Table
(PAH)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-4

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	NOT SAMPLED																	
12/17/14	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-5

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	NOT SAMPLED																	
12/17/14	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

Well MW-6

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	NOT SAMPLED																	
12/17/14	NOT SAMPLED																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.1 Groundwater Analytical Table
(PAH)
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-7

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,i) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
09/23/14	<0.018	<0.0.2	<0.018	0.037	*0.034*	*0.076*	0.042	0.032	0.059	<0.028	0.126	<0.022	0.03	<0.021	<0.024	0.027	0.045	0.096
12/17/14	SAMPLE BOTTLE RECEIVED BROKEN																	
ENFORCE MENT STANDARD = **ES – Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

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

A.7 Water Level Elevations
Kipp's Auto & Towing Service BRRTS# 03-41-543343
Milwaukee, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Ground Surface (feet msl)	660.70	660.90	662.30	660.58	658.80	658.25	658.08
PVC top (feet msl)	660.40	663.75	661.94	659.99	658.49	657.87	657.75
Well Depth (feet)	15.00	15.00	15.00	15.00	15.00	16.00	14.00
Top of screen (feet msl)	655.40	658.75	656.94	654.99	653.49	651.87	653.75
Bottom of screen (feet msl)	645.40	648.75	646.94	644.99	643.49	641.87	643.75
Depth to Water From Top of PVC (feet)							
09/23/14	4.39	9.72	5.35	7.26	5.76	4.64	4.73
12/17/14	5.40	8.73	5.83	7.64	5.70	4.60	3.51
Depth to Water From Ground Surface (feet)							
09/23/14	4.69	6.87	5.71	7.85	6.07	5.02	5.06
12/17/14	5.70	5.88	6.19	8.23	6.01	4.98	3.84
Groundwater Elevation (feet msl)							
09/23/14	656.01	654.03	656.59	652.73	652.73	653.23	653.02
12/17/14	655.00	655.02	656.11	652.35	652.79	653.27	654.24

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

A.8 Other
Groundwater NA Indicator Results
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.06	6.09	20	18.4	1629	0.21	11.7	0.32	**621**
12/17/14	2.18	5.47	86	7.1	1	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.11	6.98	51	15.6	962	0.21	121	<0.06	**1160**
12/17/14	2.78	6.07	204	8.5	.8	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.82	6.02	176	18.6	1846	*9.33*	88.5	<0.06	**437**
12/17/14	3.16	7.09	206	9.0	2310	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

(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-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.09	6.21	162	18.4	5.19	0.98	87.2	<0.06	**477**
12/17/14	3.04	7.18	241	9.3	1010	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

(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.8 Other
Groundwater NA Indicator Results
Kipp's Auto & Towing Service BRRTS# 03-41-543343

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.36	6.98	239	18.6	1056	**18.7**	48.2	<0.06	*183*
12/17/14	3.39	6.06	228	9.4	885	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

(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-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.38	6.72	259	19.0	1152	0.78	71.8	<0.06	*219*
12/17/14	2.63	13.84	247	10.0	1.1	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

(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-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
09/23/14	1.40	7.01	183	18.1	1044	<0.15	104	<0.06	**338**
12/17/14	2.94	7.56	221	8.5	1	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						**10**	-	-	**300**
PREVENTIVE ACTION LIMIT = *PAL - Italics*						*2*	-	-	*60*

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

APPENDIX A/ METHODS OF INVESTIGATION

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-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-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.

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 HW-101 HNU Photo-ionization Meter equipped with a 10.2 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.

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 6 to 55 gallons of groundwater was then removed by hand

bailing or with a small electrical submersible pump. Well Development Forms are presented in Appendix C.

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 June 3, 2014, DKS Transport Services, LLC picked up and properly disposed of five drums of investigative waste to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin..

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

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

MELVIN KIPP
KIPPS AUTO & TOWING
5507 W. HAMPTON AVENUE
MILWAUKEE, WI 53218

Report Date *13-May-13*

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069A
Sample ID METHANOL
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		4/30/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/30/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/30/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/30/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/30/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/30/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/30/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/30/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/30/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/30/2013	CJR	1

Lab Code 5025069B
Sample ID G-1-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	1.48	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	35	mg/kg	2.3	7.3	1	GRO95/8021		5/1/2013	CJR	1
Benzene	510	ug/kg	7.9	25	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	76	ug/kg	7.7	25	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	266	ug/kg	22	70	1	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069B
Sample ID G-1-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	35	ug/kg	8.4	27	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	69	ug/kg	10	33	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	228	ug/kg	9.3	30	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	159	ug/kg	16	50	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	114	ug/kg	10	32	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 5025069C
Sample ID G-1-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.6	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/1/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 5025069D
Sample ID G-2-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.9	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.68	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	11	mg/kg	2.3	7.3	1	GRO95/8021		5/1/2013	CJR	1
Benzene	123	ug/kg	7.9	25	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	164	ug/kg	22	70	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	32 "J"	ug/kg	10	33	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	77	ug/kg	9.3	30	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	56	ug/kg	16	50	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	52	ug/kg	10	32	1	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069E
Sample ID G-2-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	97.5	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/1/2013	CJR	1
Benzene	34	ug/kg	7.9	25	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	63	ug/kg	7.7	25	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	70	ug/kg	8.1	26	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	930	ug/kg	22	70	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 5025069F
Sample ID G-3-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Cadmium, Total	< 0.08	mg/kg	0.08	0.25	1	6010B		5/1/2013	CWT	1
Lead, Total	135	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
General										
Diesel Range Organics	401	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1 43
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/6/2013	5/6/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(a)anthracene	63 "J"	ug/kg	22.9	72.9	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(a)pyrene	94	ug/kg	17.4	55.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(b)fluoranthene	163	ug/kg	19.6	62.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(g,h,i)perylene	370	ug/kg	22.7	72.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(k)fluoranthene	49 "J"	ug/kg	21.6	68.8	1	M8270D	5/6/2013	5/6/2013	MDK	1
Chrysene	82	ug/kg	18.1	57.7	1	M8270D	5/6/2013	5/6/2013	MDK	1
Dibenzo(a,h)anthracene	23.1 "J"	ug/kg	22.3	71	1	M8270D	5/6/2013	5/6/2013	MDK	1
Fluoranthene	85	ug/kg	21.1	67.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/6/2013	5/6/2013	MDK	1
Indeno(1,2,3-cd)pyrene	114	ug/kg	23.9	76.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
1-Methyl naphthalene	< 20.7	ug/kg	20.7	65.8	1	M8270D	5/6/2013	5/6/2013	MDK	1
2-Methyl naphthalene	20.7 "J"	ug/kg	20.6	65.4	1	M8270D	5/6/2013	5/6/2013	MDK	1
Naphthalene	< 22.1	ug/kg	22.1	70.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Phenanthrene	35 "J"	ug/kg	22.4	71.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
Pyrene	126	ug/kg	23.1	73.6	1	M8270D	5/6/2013	5/6/2013	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069F
Sample ID G-3-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	75	ug/kg	8.4	27	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	43	ug/kg	10	33	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	28.9 "J"	ug/kg	9.3	30	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	77	ug/kg	16	50	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	79	ug/kg	10	32	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 5025069G
Sample ID G-3-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.7	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	77	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	34	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	51 "J"	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069H
Sample ID G-3-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.2	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069I
Sample ID G-4-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.4	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Cadmium, Total	< 0.08	mg/kg	0.08	0.25	1	6010B		5/1/2013	CWT	1
Lead, Total	13.3	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/6/2013	5/6/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(a)anthracene	24.6 "J"	ug/kg	22.9	72.9	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(a)pyrene	29.7 "J"	ug/kg	17.4	55.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(b)fluoranthene	59 "J"	ug/kg	19.6	62.3	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(g,h,i)perylene	47 "J"	ug/kg	22.7	72.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Benzo(k)fluoranthene	23 "J"	ug/kg	21.6	68.8	1	M8270D	5/6/2013	5/6/2013	MDK	1
Chrysene	38 "J"	ug/kg	18.1	57.7	1	M8270D	5/6/2013	5/6/2013	MDK	1
Dibenzo(a,h)anthracene	< 22.3	ug/kg	22.3	71	1	M8270D	5/6/2013	5/6/2013	MDK	1
Fluoranthene	26.9 "J"	ug/kg	21.1	67.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/6/2013	5/6/2013	MDK	1
Indeno(1,2,3-cd)pyrene	34 "J"	ug/kg	23.9	76.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
1-Methyl naphthalene	< 20.7	ug/kg	20.7	65.8	1	M8270D	5/6/2013	5/6/2013	MDK	1
2-Methyl naphthalene	< 20.6	ug/kg	20.6	65.4	1	M8270D	5/6/2013	5/6/2013	MDK	1
Naphthalene	< 22.1	ug/kg	22.1	70.2	1	M8270D	5/6/2013	5/6/2013	MDK	1
Phenanthrene	< 22.4	ug/kg	22.4	71.1	1	M8270D	5/6/2013	5/6/2013	MDK	1
Pyrene	31.6 "J"	ug/kg	23.1	73.6	1	M8270D	5/6/2013	5/6/2013	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069J
Sample ID G-4-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069J
Sample ID G-4-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069K
Sample ID G-4-4
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.5	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069L
Sample ID G-5-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.1	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Cadmium, Total	< 0.08	mg/kg	0.08	0.25	1	6010B		5/1/2013	CWT	1
Lead, Total	9.42	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PAH SIM										
Acenaphthene	< 21.8	ug/kg	21.8	69.3	1	M8270D	5/6/2013	5/7/2013	MDK	1
Acenaphthylene	< 19.2	ug/kg	19.2	60.9	1	M8270D	5/6/2013	5/7/2013	MDK	1
Anthracene	< 19.5	ug/kg	19.5	62.1	1	M8270D	5/6/2013	5/7/2013	MDK	1
Benzo(a)anthracene	< 22.9	ug/kg	22.9	72.9	1	M8270D	5/6/2013	5/7/2013	MDK	1
Benzo(a)pyrene	< 17.4	ug/kg	17.4	55.3	1	M8270D	5/6/2013	5/7/2013	MDK	1
Benzo(b)fluoranthene	< 19.6	ug/kg	19.6	62.3	1	M8270D	5/6/2013	5/7/2013	MDK	1
Benzo(g,h,i)perylene	24.1 "J"	ug/kg	22.7	72.2	1	M8270D	5/6/2013	5/7/2013	MDK	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069L
Sample ID G-5-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Benzo(k)fluoranthene	< 21.6	ug/kg	21.6	68.8	1	M8270D	5/6/2013	5/7/2013	MDK	1
Chrysene	< 18.1	ug/kg	18.1	57.7	1	M8270D	5/6/2013	5/7/2013	MDK	1
Dibenzo(a,h)anthracene	< 22.3	ug/kg	22.3	71	1	M8270D	5/6/2013	5/7/2013	MDK	1
Fluoranthene	< 21.1	ug/kg	21.1	67.2	1	M8270D	5/6/2013	5/7/2013	MDK	1
Fluorene	< 22.2	ug/kg	22.2	70.6	1	M8270D	5/6/2013	5/7/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 23.9	ug/kg	23.9	76.1	1	M8270D	5/6/2013	5/7/2013	MDK	1
1-Methyl naphthalene	< 20.7	ug/kg	20.7	65.8	1	M8270D	5/6/2013	5/7/2013	MDK	1
2-Methyl naphthalene	< 20.6	ug/kg	20.6	65.4	1	M8270D	5/6/2013	5/7/2013	MDK	1
Naphthalene	< 22.1	ug/kg	22.1	70.2	1	M8270D	5/6/2013	5/7/2013	MDK	1
Phenanthrene	< 22.4	ug/kg	22.4	71.1	1	M8270D	5/6/2013	5/7/2013	MDK	1
Pyrene	< 23.1	ug/kg	23.1	73.6	1	M8270D	5/6/2013	5/7/2013	MDK	1
PVOC										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Toluene	41	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	25.2 "J"	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	41	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069M
Sample ID G-5-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.9	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	31	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069N
Sample ID G-5-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069N
Sample ID G-5-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069O
Sample ID G-5-4
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.2	%			1	5021		4/26/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		5/2/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069P
Sample ID G-6-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.4	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	10.0	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
General										
Gasoline Range Organics	630	mg/kg	23	73	10	GRO95/8021		5/3/2013	CJR	1
VOC's										
Benzene	< 92	ug/kg	92	290	10	8260B		5/8/2013	CJR	1
Bromobenzene	< 130	ug/kg	130	400	10	8260B		5/8/2013	CJR	1
Bromodichloromethane	< 270	ug/kg	270	850	10	8260B		5/8/2013	CJR	1
Bromoform	< 300	ug/kg	300	950	10	8260B		5/8/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069P
Sample ID G-6-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
tert-Butylbenzene	< 200	ug/kg	200	640	10	8260B		5/8/2013	CJR	1
sec-Butylbenzene	2090	ug/kg	410	1320	10	8260B		5/8/2013	CJR	1
n-Butylbenzene	7100	ug/kg	260	820	10	8260B		5/8/2013	CJR	1
Carbon Tetrachloride	< 250	ug/kg	250	790	10	8260B		5/8/2013	CJR	1
Chlorobenzene	< 160	ug/kg	160	520	10	8260B		5/8/2013	CJR	1
Chloroethane	< 420	ug/kg	420	1330	10	8260B		5/8/2013	CJR	1
Chloroform	< 490	ug/kg	490	1570	10	8260B		5/8/2013	CJR	1
Chloromethane	< 1810	ug/kg	1810	5770	10	8260B		5/8/2013	CJR	1
2-Chlorotoluene	< 160	ug/kg	160	520	10	8260B		5/8/2013	CJR	1
4-Chlorotoluene	< 140	ug/kg	140	430	10	8260B		5/8/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 480	ug/kg	480	1540	10	8260B		5/8/2013	CJR	1
Dibromochloromethane	< 140	ug/kg	140	450	10	8260B		5/8/2013	CJR	1
1,4-Dichlorobenzene	< 330	ug/kg	330	1030	10	8260B		5/8/2013	CJR	1
1,3-Dichlorobenzene	< 300	ug/kg	300	950	10	8260B		5/8/2013	CJR	1
1,2-Dichlorobenzene	< 380	ug/kg	380	1220	10	8260B		5/8/2013	CJR	1
Dichlorodifluoromethane	< 570	ug/kg	570	1820	10	8260B		5/8/2013	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		5/8/2013	CJR	1
1,1-Dichloroethane	< 190	ug/kg	190	600	10	8260B		5/8/2013	CJR	1
1,1-Dichloroethene	< 210	ug/kg	210	660	10	8260B		5/8/2013	CJR	1
cis-1,2-Dichloroethene	< 240	ug/kg	240	770	10	8260B		5/8/2013	CJR	1
trans-1,2-Dichloroethene	< 290	ug/kg	290	930	10	8260B		5/8/2013	CJR	1
1,2-Dichloropropane	< 95	ug/kg	95	300	10	8260B		5/8/2013	CJR	1
2,2-Dichloropropane	< 460	ug/kg	460	1480	10	8260B		5/8/2013	CJR	1
1,3-Dichloropropane	< 210	ug/kg	210	680	10	8260B		5/8/2013	CJR	1
Di-isopropyl ether	< 110	ug/kg	110	340	10	8260B		5/8/2013	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		5/8/2013	CJR	1
Ethylbenzene	6800	ug/kg	100	330	10	8260B		5/8/2013	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3040	10	8260B		5/8/2013	CJR	1
Isopropylbenzene	2620	ug/kg	250	800	10	8260B		5/8/2013	CJR	1
p-Isopropyltoluene	1300	ug/kg	310	980	10	8260B		5/8/2013	CJR	1
Methylene chloride	< 570	ug/kg	570	1820	10	8260B		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		5/8/2013	CJR	1
Naphthalene	12500	ug/kg	1140	3630	10	8260B		5/8/2013	CJR	1
n-Propylbenzene	12000	ug/kg	240	750	10	8260B		5/8/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 120	ug/kg	120	380	10	8260B		5/8/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 230	ug/kg	230	740	10	8260B		5/8/2013	CJR	1
Tetrachloroethene	< 490	ug/kg	490	1570	10	8260B		5/8/2013	CJR	7
Toluene	< 200	ug/kg	200	650	10	8260B		5/8/2013	CJR	1
1,2,4-Trichlorobenzene	< 790	ug/kg	790	2510	10	8260B		5/8/2013	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4110	10	8260B		5/8/2013	CJR	1
1,1,1-Trichloroethane	< 380	ug/kg	380	1200	10	8260B		5/8/2013	CJR	1
1,1,2-Trichloroethane	< 230	ug/kg	230	740	10	8260B		5/8/2013	CJR	1
Trichloroethene (TCE)	< 280	ug/kg	280	880	10	8260B		5/8/2013	CJR	1
Trichlorofluoromethane	< 860	ug/kg	860	2730	10	8260B		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	44000	ug/kg	260	810	10	8260B		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	410 "J"	ug/kg	260	840	10	8260B		5/8/2013	CJR	1
Vinyl Chloride	< 210	ug/kg	210	660	10	8260B		5/8/2013	CJR	1
m&p-Xylene	5200	ug/kg	680	2160	10	8260B		5/8/2013	CJR	1
o-Xylene	< 310	ug/kg	310	980	10	8260B		5/8/2013	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			10	8260B		5/8/2013	CJR	1
SUR - Dibromofluoromethane	101	Rec %			10	8260B		5/8/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			10	8260B		5/8/2013	CJR	1
SUR - Toluene-d8	92	Rec %			10	8260B		5/8/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069Q
Sample ID G-6-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.0	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	74	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	400	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	8100	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	3900	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	65	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	171	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	570	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	1080	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	38	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 5025069R
Sample ID G-6-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.7	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/2/2013	CJR	1
Benzene	35	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	83	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069S
Sample ID G-7-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.8	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	6.30	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/2/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069S
Sample ID G-7-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	29.8 "J"	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Lab Code 5025069T
Sample ID G-7-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.0	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	162	mg/kg	23	73	10	GRO95/8021		5/3/2013	CJR	1
Benzene	1140	ug/kg	79	250	10	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	5500	ug/kg	77	250	10	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	81	260	10	GRO95/8021		5/3/2013	CJR	1
Naphthalene	4600	ug/kg	220	700	10	GRO95/8021		5/3/2013	CJR	1
Toluene	257 "J"	ug/kg	84	270	10	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	1060	ug/kg	100	330	10	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	1930	ug/kg	93	300	10	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	1290	ug/kg	160	500	10	GRO95/8021		5/3/2013	CJR	1
o-Xylene	360	ug/kg	100	320	10	GRO95/8021		5/3/2013	CJR	1

Lab Code 5025069U
Sample ID G-7-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.1	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/2/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/2/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/2/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/2/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/2/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069V
Sample ID G-8-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.9	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	57.9	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/3/2013	CJR	1
Benzene	263	ug/kg	7.9	25	1	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	210	ug/kg	7.7	25	1	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/3/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/3/2013	CJR	1
Toluene	140	ug/kg	8.4	27	1	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	294	ug/kg	10	33	1	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	141	ug/kg	9.3	30	1	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	670	ug/kg	16	50	1	GRO95/8021		5/3/2013	CJR	1
o-Xylene	224	ug/kg	10	32	1	GRO95/8021		5/3/2013	CJR	1

Lab Code 5025069W
Sample ID G-8-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	101	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	1930	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	460	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	1300	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	147	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	154	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	231	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	600	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	312	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 5025069X
Sample ID G-8-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.8	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	32	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 5025069X
Sample ID G-8-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	181	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 5025069Y
Sample ID G-9-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.9	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	6.70	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 5025069Z
Sample ID G-9-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	199	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	860	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	10900	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	4500	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	128	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	11000	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	1380	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	8200	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	215	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069AA
Sample ID G-9-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.0	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/8/2013	CJR	1

Lab Code 525069BB
Sample ID G-10-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.8	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	13.6	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	520	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	194	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	76	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	27.6	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	43	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	35	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	85	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	54	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069CC
Sample ID G-10-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.4	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	96	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	1010	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069CC
Sample ID G-10-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	5200	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	2300	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	177	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	7000	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	2540	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	4000	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	220	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069DD
Sample ID G-10-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	92	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	292	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	218	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	266	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	38	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	690	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	268	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	720	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	191	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069EE
Sample ID G-11-1
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.3	%			1	5021		4/26/2013	MDK	1
Inorganic										
Metals										
Lead, Total	7.30	mg/kg	0.3	0.96	1	6010B		5/1/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069FF
Sample ID G-11-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.9	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	79	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069GG
Sample ID G-11-3
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.5	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		5/6/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	87	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069HH
Sample ID G-12-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.0	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	470	mg/kg	23	73	10	GRO95/8021		5/9/2013	CJR	1
Benzene	6200	ug/kg	7.9	25	1	GRO95/8021		5/6/2013	CJR	1
Ethylbenzene	1830	ug/kg	7.7	25	1	GRO95/8021		5/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/6/2013	CJR	1
Naphthalene	5100	ug/kg	22	70	1	GRO95/8021		5/6/2013	CJR	1
Toluene	301	ug/kg	8.4	27	1	GRO95/8021		5/6/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069HH
Sample ID G-12-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trimethylbenzene	89	ug/kg	10	33	1	GRO95/8021		5/6/2013	CJR	1
1,3,5-Trimethylbenzene	510	ug/kg	9.3	30	1	GRO95/8021		5/6/2013	CJR	1
m&p-Xylene	2460	ug/kg	16	50	1	GRO95/8021		5/6/2013	CJR	1
o-Xylene	750	ug/kg	10	32	1	GRO95/8021		5/6/2013	CJR	1

Lab Code 525069II
Sample ID G-13-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	75.6	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	173	mg/kg	2.3	7.3	1	GRO95/8021		5/7/2013	CJR	1
Benzene	1550	ug/kg	7.9	25	1	GRO95/8021		5/7/2013	CJR	1
Ethylbenzene	5200	ug/kg	7.7	25	1	GRO95/8021		5/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		5/7/2013	CJR	1
Naphthalene	5800	ug/kg	22	70	1	GRO95/8021		5/7/2013	CJR	1
Toluene	89	ug/kg	8.4	27	1	GRO95/8021		5/7/2013	CJR	1
1,2,4-Trimethylbenzene	520	ug/kg	10	33	1	GRO95/8021		5/7/2013	CJR	1
1,3,5-Trimethylbenzene	1000	ug/kg	9.3	30	1	GRO95/8021		5/7/2013	CJR	1
m&p-Xylene	550	ug/kg	16	50	1	GRO95/8021		5/7/2013	CJR	1
o-Xylene	190	ug/kg	10	32	1	GRO95/8021		5/7/2013	CJR	1

Lab Code 525069JJ
Sample ID G-14-2
Sample Matrix Soil
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.9	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	540	mg/kg	23	73	10	GRO95/8021		5/9/2013	CJR	1
Benzene	10600	ug/kg	7.9	25	1	GRO95/8021		5/7/2013	CJR	1
Ethylbenzene	13100	ug/kg	7.7	25	1	GRO95/8021		5/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	8.1	26	1	GRO95/8021		5/7/2013	CJR	1
Naphthalene	4600	ug/kg	22	70	1	GRO95/8021		5/7/2013	CJR	1
Toluene	710	ug/kg	8.4	27	1	GRO95/8021		5/7/2013	CJR	1
1,2,4-Trimethylbenzene	111	ug/kg	10	33	1	GRO95/8021		5/7/2013	CJR	1
1,3,5-Trimethylbenzene	1560	ug/kg	9.3	30	1	GRO95/8021		5/7/2013	CJR	1
m&p-Xylene	2170	ug/kg	16	50	1	GRO95/8021		5/7/2013	CJR	1
o-Xylene	500	ug/kg	10	32	1	GRO95/8021		5/7/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069KK
Sample ID G-15-2
Sample Matrix Soil
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	5021		4/26/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	286	mg/kg	2.3	7.3	1	GRO95/8021		5/7/2013	CJR	1
Benzene	1410	ug/kg	7.9	25	1	GRO95/8021		5/7/2013	CJR	1
Ethylbenzene	4700	ug/kg	7.7	25	1	GRO95/8021		5/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		5/7/2013	CJR	1
Naphthalene	3700	ug/kg	22	70	1	GRO95/8021		5/7/2013	CJR	1
Toluene	185	ug/kg	8.4	27	1	GRO95/8021		5/7/2013	CJR	1
1,2,4-Trimethylbenzene	301	ug/kg	10	33	1	GRO95/8021		5/7/2013	CJR	1
1,3,5-Trimethylbenzene	530	ug/kg	9.3	30	1	GRO95/8021		5/7/2013	CJR	1
m&p-Xylene	1300	ug/kg	16	50	1	GRO95/8021		5/7/2013	CJR	1
o-Xylene	299	ug/kg	10	32	1	GRO95/8021		5/7/2013	CJR	1

Lab Code 525069LL
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069MM
Sample ID G-1-W
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	101	ug/l	2.7	8.5	10	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	123	ug/l	8.2	26	10	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	58	ug/l	3.7	12	10	GRO95/8021		5/1/2013	CJR	1
Naphthalene	52	ug/l	12	38	10	GRO95/8021		5/1/2013	CJR	1
Toluene	34	ug/l	8	26	10	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	54	ug/l	8.3	26	10	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	26 "J"	ug/l	8.6	27	10	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	314	ug/l	16	52	10	GRO95/8021		5/1/2013	CJR	1
o-Xylene	85	ug/l	8.1	26	10	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069NN
Sample ID G-2-W
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	14	ug/l	0.27	0.85	1	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	18.9	ug/l	0.82	2.6	1	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	38	ug/l	0.37	1.2	1	GRO95/8021		5/3/2013	CJR	1
Naphthalene	9.0	ug/l	1.2	3.8	1	GRO95/8021		5/3/2013	CJR	1
Toluene	2.24 "J"	ug/l	0.8	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	14.4	ug/l	0.83	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	8.7	ug/l	0.86	2.7	1	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	18.4	ug/l	1.6	5.2	1	GRO95/8021		5/3/2013	CJR	1
o-Xylene	3.01	ug/l	0.81	2.6	1	GRO95/8021		5/3/2013	CJR	1

Lab Code 525069OO
Sample ID G-3-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.038 "J"	ug/l	0.021	0.068	1	M8270D	4/29/2013	4/29/2013	MDK	1
Acenaphthylene	0.032 "J"	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Anthracene	0.022 "J"	ug/l	0.02	0.064	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(a)anthracene	0.030 "J"	ug/l	0.025	0.078	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(a)pyrene	0.025 "J"	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(b)fluoranthene	0.030 "J"	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(g,h,i)perylene	0.091	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	4/29/2013	4/29/2013	MDK	1
Chrysene	0.03 "J"	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/29/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	4/29/2013	4/29/2013	MDK	1
Fluoranthene	0.027 "J"	ug/l	0.026	0.084	1	M8270D	4/29/2013	4/29/2013	MDK	1
Fluorene	0.036 "J"	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	4/29/2013	4/29/2013	MDK	1
1-Methyl naphthalene	4.1	ug/l	0.019	0.061	1	M8270D	4/29/2013	4/29/2013	MDK	1
2-Methyl naphthalene	1.31	ug/l	0.016	0.052	1	M8270D	4/29/2013	4/29/2013	MDK	1
Naphthalene	3.5	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/29/2013	MDK	1
Phenanthrene	0.086	ug/l	0.018	0.059	1	M8270D	4/29/2013	4/29/2013	MDK	1
Pyrene	0.06 "J"	ug/l	0.025	0.08	1	M8270D	4/29/2013	4/29/2013	MDK	1
PVOC										
Benzene	5.5	ug/l	0.27	0.85	1	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	5.9	ug/l	0.82	2.6	1	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	8.0	ug/l	0.37	1.2	1	GRO95/8021		5/3/2013	CJR	1
Toluene	1.28 "J"	ug/l	0.8	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	53	ug/l	0.83	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	2.1 "J"	ug/l	0.86	2.7	1	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	13.4	ug/l	1.6	5.2	1	GRO95/8021		5/3/2013	CJR	1
o-Xylene	1.3 "J"	ug/l	0.81	2.6	1	GRO95/8021		5/3/2013	CJR	1

Lab Code 525069PP
Sample ID G-4-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	4/29/2013	4/29/2013	MDK	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069PP
Sample ID G-4-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/29/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	4/29/2013	4/29/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/29/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	4/29/2013	4/29/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	4/29/2013	4/29/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/29/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	4/29/2013	4/29/2013	MDK	1
1-Methyl naphthalene	0.033 "J"	ug/l	0.019	0.061	1	M8270D	4/29/2013	4/29/2013	MDK	1
2-Methyl naphthalene	0.031 "J"	ug/l	0.016	0.052	1	M8270D	4/29/2013	4/29/2013	MDK	1
Naphthalene	0.053 "J"	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/29/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	4/29/2013	4/29/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	4/29/2013	4/29/2013	MDK	1
PVOC										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	5.4	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069QQ
Sample ID G-5-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.021	ug/l	0.021	0.068	1	M8270D	4/29/2013	4/30/2013	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/30/2013	MDK	1
Anthracene	< 0.02	ug/l	0.02	0.064	1	M8270D	4/29/2013	4/30/2013	MDK	1
Benzo(a)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270D	4/29/2013	4/30/2013	MDK	1
Benzo(a)pyrene	< 0.018	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/30/2013	MDK	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/30/2013	MDK	1
Benzo(g,h,i)perylene	< 0.023	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/30/2013	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	4/29/2013	4/30/2013	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	4/29/2013	4/30/2013	MDK	1
Dibenzo(a,h)anthracene	< 0.023	ug/l	0.023	0.072	1	M8270D	4/29/2013	4/30/2013	MDK	1
Fluoranthene	< 0.026	ug/l	0.026	0.084	1	M8270D	4/29/2013	4/30/2013	MDK	1
Fluorene	< 0.02	ug/l	0.02	0.063	1	M8270D	4/29/2013	4/30/2013	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.085	1	M8270D	4/29/2013	4/30/2013	MDK	1
1-Methyl naphthalene	0.035 "J"	ug/l	0.019	0.061	1	M8270D	4/29/2013	4/30/2013	MDK	1
2-Methyl naphthalene	0.019 "J"	ug/l	0.016	0.052	1	M8270D	4/29/2013	4/30/2013	MDK	1
Naphthalene	0.032 "J"	ug/l	0.023	0.075	1	M8270D	4/29/2013	4/30/2013	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.059	1	M8270D	4/29/2013	4/30/2013	MDK	1
Pyrene	< 0.025	ug/l	0.025	0.08	1	M8270D	4/29/2013	4/30/2013	MDK	1
PVOC										
Benzene	0.42 "J"	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	25.8	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069QQ
Sample ID G-5-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069RR
Sample ID G-6-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	65	ug/l	2.7	8.5	10	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	1230	ug/l	8.2	26	10	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	105	ug/l	3.7	12	10	GRO95/8021		5/1/2013	CJR	1
Naphthalene	1070	ug/l	12	38	10	GRO95/8021		5/1/2013	CJR	1
Toluene	13.9 "J"	ug/l	8	26	10	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	690	ug/l	8.3	26	10	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	113	ug/l	8.6	27	10	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	690	ug/l	16	52	10	GRO95/8021		5/1/2013	CJR	1
o-Xylene	26.3	ug/l	8.1	26	10	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069SS
Sample ID G-7-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	42	ug/l	2.7	8.5	10	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	580	ug/l	8.2	26	10	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	65	ug/l	3.7	12	10	GRO95/8021		5/1/2013	CJR	1
Naphthalene	350	ug/l	12	38	10	GRO95/8021		5/1/2013	CJR	1
Toluene	< 8	ug/l	8	26	10	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	370	ug/l	8.3	26	10	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	245	ug/l	8.6	27	10	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	236	ug/l	16	52	10	GRO95/8021		5/1/2013	CJR	1
o-Xylene	8.4 "J"	ug/l	8.1	26	10	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069TT
Sample ID G-8-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	34	ug/l	0.27	0.85	1	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	16.5	ug/l	0.82	2.6	1	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	90	ug/l	0.37	1.2	1	GRO95/8021		5/3/2013	CJR	1
Naphthalene	6.5	ug/l	1.2	3.8	1	GRO95/8021		5/3/2013	CJR	1
Toluene	3.2	ug/l	0.8	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	11.4	ug/l	0.83	2.6	1	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	11.8	ug/l	0.86	2.7	1	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	25.7	ug/l	1.6	5.2	1	GRO95/8021		5/3/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069TT
Sample ID G-8-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
o-Xylene	4.0	ug/l	0.81	2.6	1	GRO95/8021		5/3/2013	CJR	1

Lab Code 525069UU
Sample ID G-9-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	57	ug/l	2.7	8.5	10	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	2880	ug/l	8.2	26	10	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	78	ug/l	3.7	12	10	GRO95/8021		5/1/2013	CJR	1
Naphthalene	780	ug/l	12	38	10	GRO95/8021		5/1/2013	CJR	1
Toluene	28.9	ug/l	8	26	10	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	3100	ug/l	8.3	26	10	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	262	ug/l	8.6	27	10	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	2590	ug/l	16	52	10	GRO95/8021		5/1/2013	CJR	1
o-Xylene	30.1	ug/l	8.1	26	10	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069VV
Sample ID G-10-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	5600	ug/l	27	85	100	GRO95/8021		5/2/2013	CJR	1
Ethylbenzene	4700	ug/l	82	260	100	GRO95/8021		5/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	155	ug/l	37	120	100	GRO95/8021		5/2/2013	CJR	1
Naphthalene	630	ug/l	120	380	100	GRO95/8021		5/2/2013	CJR	1
Toluene	1220	ug/l	80	260	100	GRO95/8021		5/2/2013	CJR	1
1,2,4-Trimethylbenzene	3200	ug/l	83	260	100	GRO95/8021		5/2/2013	CJR	1
1,3,5-Trimethylbenzene	1030	ug/l	86	270	100	GRO95/8021		5/2/2013	CJR	1
m&p-Xylene	10900	ug/l	160	520	100	GRO95/8021		5/2/2013	CJR	1
o-Xylene	2830	ug/l	81	260	100	GRO95/8021		5/2/2013	CJR	1

Lab Code 525069WW
Sample ID G-11-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	1.97	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	3.15	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	3.9	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		5/1/2013	CJR	1
Toluene	1.18 "J"	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	2.25 "J"	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	5.2 "J"	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	1.91 "J"	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 525069XX
Sample ID G-12-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	46	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	206	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	10.9	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	103	ug/l	1.2	3.8	1	GRO95/8021		5/1/2013	CJR	1
Toluene	3.3	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	11.2	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	3.4	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	19.4	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	2.84	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 525069YY
Sample ID G-13-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	121	ug/l	2.7	8.5	10	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	1200	ug/l	8.2	26	10	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		5/3/2013	CJR	1
Naphthalene	460	ug/l	12	38	10	GRO95/8021		5/3/2013	CJR	1
Toluene	< 8	ug/l	8	26	10	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	131	ug/l	8.3	26	10	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	89	ug/l	8.6	27	10	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	65	ug/l	16	52	10	GRO95/8021		5/3/2013	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		5/3/2013	CJR	1

Lab Code 525069ZZ
Sample ID G-14-W
Sample Matrix Water
Sample Date 4/22/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	19.5	ug/l	0.27	0.85	1	GRO95/8021		5/1/2013	CJR	1
Ethylbenzene	112	ug/l	0.82	2.6	1	GRO95/8021		5/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	10.7	ug/l	0.37	1.2	1	GRO95/8021		5/1/2013	CJR	1
Naphthalene	43	ug/l	1.2	3.8	1	GRO95/8021		5/1/2013	CJR	1
Toluene	1.51 "J"	ug/l	0.8	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,2,4-Trimethylbenzene	2.19 "J"	ug/l	0.83	2.6	1	GRO95/8021		5/1/2013	CJR	1
1,3,5-Trimethylbenzene	6.7	ug/l	0.86	2.7	1	GRO95/8021		5/1/2013	CJR	1
m&p-Xylene	6.4	ug/l	1.6	5.2	1	GRO95/8021		5/1/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		5/1/2013	CJR	1

Lab Code 55069AAA
Sample ID G-15-W
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	14.4	ug/l	1.35	4.25	5	GRO95/8021		5/3/2013	CJR	1

Project Name KIPPS AUTO & TOWING **Invoice #** E25069
Project #

Lab Code 55069AAA
Sample ID G-15-W
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	269	ug/l	4.1	13	5	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.85	ug/l	1.85	6	5	GRO95/8021		5/3/2013	CJR	1
Naphthalene	208	ug/l	6	19	5	GRO95/8021		5/3/2013	CJR	1
Toluene	21.6	ug/l	4	13	5	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	68	ug/l	4.15	13	5	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	18.4	ug/l	4.3	13.5	5	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	106	ug/l	8	26	5	GRO95/8021		5/3/2013	CJR	1
o-Xylene	27.1	ug/l	4.05	13	5	GRO95/8021		5/3/2013	CJR	1

Lab Code 55069BBB
Sample ID G-16-W
Sample Matrix Water
Sample Date 4/23/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	3.3 "J"	ug/l	1.35	4.25	5	GRO95/8021		5/3/2013	CJR	1
Ethylbenzene	12.7 "J"	ug/l	4.1	13	5	GRO95/8021		5/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	13.6	ug/l	1.85	6	5	GRO95/8021		5/3/2013	CJR	1
Naphthalene	6.7 "J"	ug/l	6	19	5	GRO95/8021		5/3/2013	CJR	1
Toluene	24.3	ug/l	4	13	5	GRO95/8021		5/3/2013	CJR	1
1,2,4-Trimethylbenzene	27.4	ug/l	4.15	13	5	GRO95/8021		5/3/2013	CJR	1
1,3,5-Trimethylbenzene	9.3 "J"	ug/l	4.3	13.5	5	GRO95/8021		5/3/2013	CJR	1
m&p-Xylene	56	ug/l	8	26	5	GRO95/8021		5/3/2013	CJR	1
o-Xylene	25.2	ug/l	4.05	13	5	GRO95/8021		5/3/2013	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.
7	The LCS not within established limits.
43	Oil contamination indicated outside DRO window.
	CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # № 946

Page 1 of 6

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

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

Project (Name / Location): Kipps Auto & Towing

Reports To: Melvin Kipp	Invoice To: Melvin Kipp c/o Jason Powell
Company Kipps Auto & Towing	Company METCO
Address 5507 W. Hampton Ave	Address 709 Gillette St, Ste 3
City State Zip Milwaukee, WI 53218	City State Zip La Crosse, WI 54603
Phone (414) 527-3917	Phone (608) 781-8879
FAX	FAX 8893

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8 RCRA METALS	Cadmium	PID/FID
531-5691-A	Meth Blank	4/24/13					1	S	HCl		X						X						
B	G-1-1		9:55		X		3		None		X		X				X						
C	G-1-3		10:05				2				X						X						
D	G-2-1		10:20				3		None		X		X				X						
E	G-2-3		10:35				2				X						X						
F	G-3-1		10:55				5		None	X			X		X	X						X	
G	G-3-2		11:00				3		None	X							X						
H	G-3-3		11:05				3		None	X							X						
I	G-4-1		11:30				5		None	X			X		X	X						X	
J	G-4-3		11:40				3		None	X							X						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Lab to send copy of report to METCO
Use C Rates Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign.)	Time	Date
	11:04 AM	4/25/13			

Received in Laboratory By: [signature] Time: 8:00 AM Date: 4-26-13

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 947
Page 2 of 6

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

Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler: (signature) E Pac

Project (Name / Location): Kipps Auto & Towing

Reports To: See Page 1	Invoice To: =>
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	Cadmium												PID/ FID
582569 K	G-4-4	4/24/13	11:45		X		3	S	MEOH/None	X							X																	
L	G-5-1		11:55				5		/None	X			X		X	X						X													
M	G-5-2		12:00				3		/None	X							X																	
N	G-5-3		12:05				3		/None	X							X																	
O	G-5-4		12:10				3		/None	X							X																	
P	G-6-1		1:30				3		/None		X		X							X														
Q	G-6-2		1:35				2				X						X																	
R	G-6-3		1:40				2				X						X																	
S	G-7-1		2:00				3		/None		X		X				X																	
T	G-7-2		2:05				2				X						X																	

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
E Pac	11:00AM	4/25/13			

Received In Laboratory By: [signature] Time: 8:30 Am Date: 4-26-13

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 0948
Page 3 of 6

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location): Kipps Auto Towing	
Reports To: See Page 1	Invoice To: →
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
S25869-04	G-7-3	4/24/13	2:10		X		2	S	MeOH		X						X					
05	G-8-1		2:25				3		/None		X		X				X					
06	G-8-2		2:30				2				X						X					
07	G-8-3		2:35				2				X						X					
08	G-9-1		3:05				3		/None		X		X				X					
09	G-9-2		3:10				2				X						X					
S25869DD	G-9-3		3:15				2				X						X					
02	G-10-1		3:35				3		/None		X		X				X					
03	G-10-2		3:40				2				X						X					
DD	G-10-3	↓	3:45		↓		2	↓	↓		X						X					

Analysis Requested | Other Analysis

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	11:00AM	4/25/13			

Received In Laboratory By: [signature] Time: 8:00 AM Date: 4-26-13

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 1949
Page 4 of 6

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

Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler: (signature) E Pierce

Project (Name / Location): Kipps Auto Towing

Reports To: See Page 2	Invoice To:
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
S25269 EE	G-11-1	4/22/13	4:05		X		3	S	MeOH/Nuc	X		X					X					
FF	G-11-2		4:10				2			X							X					
GG	G-11-3		4:15				2			X							X					
HH	G-12-2		4:50				2			X							X					
II	G-13-2		5:20				2			X							X					
JJ	G-14-2		5:45				2			X							X					
KK	G-15-2	4/23/13	11:50				2			X							X					
LL	Trip Blank	4/22/13					1		HCl								X					
MM	G-1-W		10:10			N	3	GW									X					
NN	G-2-W		10:20			N	3	GW									X					

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
E Pierce	11:00AM	4/25/13			

Received in Laboratory By: [signature] - SEL Time: 8:50 AM Date: 4-26-13

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 950
Page 5 of 6

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

Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler: (signature) E Pine

Project (Name / Location): Kipps Auto eTowing

Reports To: See Page 1	Invoice To:
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod.DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8 RCRA METALS	PID/ FID
525069 00	G-3-W	4/24/13	11:15		X	N	4	GW	HCl/None						X	X						
PP	G-4-W		1:00				4		/None						X	X						
QQ	G-5-W		1:20				4		/None						X	X						
RR	G-6-W		1:45				3										X					
SS	G-7-W		3:25														X					
TT	G-8-W		2:45														X					
UU	G-9-W		4:35														X					
VV	G-10-W		3:50														X					
WW	G-11-W		5:55														X					
XX	G-12-W		5:00														X					

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

Sample Integrity - To be completed by receiving lab
Method of Shipment: Driver Express
Temp. of Temp. Blank: ____ C On Ice
Cooler seal intact upon receipt: ___ Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
E Pine	11:00AM	4/25/13			

Received In Laboratory By: [signature] - JEC Time: 8:00 AM Date: 4-26-13

CHAIN OF CUSTODY RECORD

Chain # No 2 151

Page 6 of 6

Synergy
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

Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler: (signature) E Vine
Project (Name / Location): Kipps Auto Towing

Reports To: See Page 1	Invoice To:
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8 RCRA METALS	PID/ FID
525069 VC	G-13-W	4/24/13	5:20		X	N	3	GW	HCl								X					
12	G-14-W	4/24/13	6:30		↓	↓	↓	↓	↓								X					
525069 AM	G-15-W	4/25/13	12:40		↓	↓	↓	↓	↓								X					
RAB	G-16-W	4/25/13	12:25		↓	↓	↓	↓	↓								X					

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign.)	Time	Date
E Vine	11:10AM	4/26/13			

Received in Laboratory By: [signature] Time: 8:20 AM Date: 4-26-13

Synergy Environmental Lab,

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

MELVIN KIPP
KIPPS AUTO & TOWING
5507 W. HAMPTON AVENUE
MILWAUKEE, WI 53218

Report Date *18-Apr-14*

Project Name KIPP'S AUTO & TOWING **Invoice #** E26771
Project #

Lab Code 5026771A
Sample ID METH BLANK
Sample Matrix Soil
Sample Date 3/31/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/14/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/14/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/14/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/14/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/14/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/14/2014	CJR	1

Lab Code 5026771B
Sample ID G-17-2
Sample Matrix Soil
Sample Date 3/31/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.1	%			1	5021		4/8/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/14/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/14/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/14/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/14/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/14/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/14/2014	CJR	1

Project Name KIPP'S AUTO & TOWING **Invoice #** E26771
Project #

Lab Code 5026771C
Sample ID G-17-3
Sample Matrix Soil
Sample Date 3/31/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.5	%			1	5021		4/8/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/14/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/14/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/14/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/14/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/14/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/14/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/14/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/14/2014	CJR	1

Lab Code 5026771D
Sample ID G-18-2
Sample Matrix Soil
Sample Date 3/31/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		4/8/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	7500	ug/kg	7.9	25	1	GRO95/8021		4/14/2014	CJR	1
Ethylbenzene	1540	ug/kg	7.7	25	1	GRO95/8021		4/14/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/14/2014	CJR	1
Naphthalene	1290	ug/kg	22	70	1	GRO95/8021		4/14/2014	CJR	1
Toluene	530	ug/kg	8.4	27	1	GRO95/8021		4/14/2014	CJR	1
1,2,4-Trimethylbenzene	19100	ug/kg	10	33	1	GRO95/8021		4/14/2014	CJR	1
1,3,5-Trimethylbenzene	7100	ug/kg	9.3	30	1	GRO95/8021		4/14/2014	CJR	1
m&p-Xylene	6300	ug/kg	16	50	1	GRO95/8021		4/14/2014	CJR	1
o-Xylene	720	ug/kg	10	32	1	GRO95/8021		4/14/2014	CJR	1

Project Name KIPP'S AUTO & TOWING **Invoice #** E26771
Project #

Lab Code 5026771E
Sample ID G-18-3
Sample Matrix Soil
Sample Date 3/31/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.5	%			1	5021		4/8/2014	MDK	1
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		4/16/2014	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		4/16/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		4/16/2014	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		4/16/2014	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		4/16/2014	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		4/16/2014	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		4/16/2014	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		4/16/2014	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		4/16/2014	CJR	1

Lab Code 5026771F
Sample ID MW-1-2
Sample Matrix Soil
Sample Date 4/1/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
TCLP Lead	< 0.45	mg/l	0.45	5	1	6010B		4/13/2014	ESC	1
Organic										
TCLP										
TCLP Benzene	< 0.05	mg/l	0.05		1	8260B		4/10/2014	ESC	1

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

Code	*Comment*
1	Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # № 263

Page 1 of 1

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

Lab I.D. #

Account No. : | Quote No.:

Project #:

Sampler: (signature) E Pace

Project (Name / Location): Kipp's Auto - Towing Service

Reports To:	Invoice To:
Melvin Kipp	Melvin Kipp c/o
Company	Company METCO
Address 5507 W Hampton Ave	Address 709 Gillette St, Ste 3
City State Zip Milwaukee, WI 53218	City State Zip La Crosse, WI 54603
Phone (414) 527-3417	Phone (608) 781-8879
FAX	FAX 8893

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8 RCRA METALS	TCLP - Lead	TCLP - Benzene	PID/FID
502671-A	Meth Blank	3/31					1		MeOH								X								
B	G-17-2		2:05		X		2	S									X								
C	G-17-3		2:10				2										X								
D	G-18-2		2:20				2										X								
E	G-18-3		2:25				2										X								
F	MW-1-2	4/1	7:30				4		None														X	X	

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

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

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
E Pace	3:55 PM	4/3/14			

Received in Laboratory By: Chuck Rose Time: 10:00 Date: 4/5/14

Synergy Environmental Lab,

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

MELVIN KIPP
KIPPS AUTO & TOWING
5507 W. HAMPTON AVENUE
MILWAUKEE, WI 53218

Report Date *16-Oct-14*

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759A
Sample ID MW-3
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	437	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/30/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/30/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/30/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/30/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/30/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/30/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/30/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/30/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/30/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/30/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759A
Sample ID MW-3
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/30/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/30/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/30/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/30/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/30/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/30/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/30/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/30/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/30/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/30/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/30/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/30/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/30/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/30/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/30/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/30/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		9/30/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		9/30/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		9/30/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		9/30/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	9.33	mg/l	0.15	0.48	1	353.2		10/10/2014	MDK	1
Sulfate, Filtered	88.5	mg/l	9.45	30.05	5	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759B
Sample ID MW-4
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	477	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/30/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/30/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/30/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/30/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/30/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/30/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/30/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/30/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/30/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/30/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/30/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/30/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/30/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/30/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/30/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/30/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/30/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/30/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/30/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/30/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/30/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/30/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/30/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/30/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/30/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/30/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759B
Sample ID MW-4
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		9/30/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		9/30/2014	CJR	1
SUR - 4-Bromofluorobenzene	91	REC %			1	8260B		9/30/2014	CJR	1
SUR - Dibromofluoromethane	90	REC %			1	8260B		9/30/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.98	mg/l	0.15	0.48	1	353.2		10/10/2014	MDK	1
Sulfate, Filtered	87.2	mg/l	18.9	60.1	10	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759C
Sample ID MW-5
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	183	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/30/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/30/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/30/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/30/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/30/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/30/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/30/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/30/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/30/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/30/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/30/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/30/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/30/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/30/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/30/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/30/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/30/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/30/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/30/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/30/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/30/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/30/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/30/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/30/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/30/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/30/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759C
Sample ID MW-5
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/30/2014	CJR	1
SUR - 4-Bromofluorobenzene	87	REC %			1	8260B		9/30/2014	CJR	1
SUR - Dibromofluoromethane	90	REC %			1	8260B		9/30/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		9/30/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	18.7	mg/l	0.3	0.96	2	353.2		10/14/2014	MDK	1
Sulfate, Filtered	48.2	mg/l	3.78	12.02	2	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759D
Sample ID MW-7
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	338	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.018	ug/l	0.018	0.056	1	M8270D	9/29/2014	10/3/2014	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	9/29/2014	10/3/2014	MDK	1
Anthracene	< 0.018	ug/l	0.018	0.057	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(a)anthracene	0.037 "J"	ug/l	0.023	0.073	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(a)pyrene	0.034 "J"	ug/l	0.02	0.063	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(b)fluoranthene	0.076	ug/l	0.019	0.06	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(g,h,i)perylene	0.042 "J"	ug/l	0.024	0.076	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(k)fluoranthene	0.032 "J"	ug/l	0.027	0.087	1	M8270D	9/29/2014	10/3/2014	MDK	1
Chrysene	0.059	ug/l	0.018	0.058	1	M8270D	9/29/2014	10/3/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.028	ug/l	0.028	0.092	1	M8270D	9/29/2014	10/3/2014	MDK	1
Fluoranthene	0.126	ug/l	0.022	0.069	1	M8270D	9/29/2014	10/3/2014	MDK	1
Fluorene	< 0.022	ug/l	0.022	0.069	1	M8270D	9/29/2014	10/3/2014	MDK	1
Indeno(1,2,3-cd)pyrene	0.03 "J"	ug/l	0.027	0.086	1	M8270D	9/29/2014	10/3/2014	MDK	1
1-Methyl naphthalene	< 0.021	ug/l	0.021	0.065	1	M8270D	9/29/2014	10/3/2014	MDK	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270D	9/29/2014	10/3/2014	MDK	1
Naphthalene	0.027 "J"	ug/l	0.023	0.073	1	M8270D	9/29/2014	10/3/2014	MDK	1
Phenanthrene	0.045 "J"	ug/l	0.018	0.057	1	M8270D	9/29/2014	10/3/2014	MDK	1
Pyrene	0.096	ug/l	0.022	0.071	1	M8270D	9/29/2014	10/3/2014	MDK	1
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/2/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/2/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/2/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/2/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/2/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/2/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/2/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/2/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/2/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/2/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/2/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/2/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/2/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/2/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/2/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759D
Sample ID MW-7
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/2/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	15.8	ug/l	0.23	0.74	1	8260B		10/2/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/2/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/2/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/2/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/2/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/2/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		10/2/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	111	REC %			1	8260B		10/2/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/2/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.15	mg/l	0.15	0.48	1	353.2		10/14/2014	MDK	1
Sulfate, Filtered	104	mg/l	18.9	60.1	10	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759E
Sample ID MW-6
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	219	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
VOC's										
Benzene	0.57 "J"	ug/l	0.24	0.77	1	8260B		10/2/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/2/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/2/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/2/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/2/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/2/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/2/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/2/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/2/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/2/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/2/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/2/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/2/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/2/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/2/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/2/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/2/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/2/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/2/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/2/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/2/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/2/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759E
Sample ID MW-6
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		10/2/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		10/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		10/2/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/2/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.78	mg/l	0.15	0.48	1	353.2		10/10/2014	MDK	1
Sulfate, Filtered	71.8	mg/l	9.45	30.05	5	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759F
Sample ID MW-2
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 0.06	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	1160	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.018	ug/l	0.018	0.056	1	M8270D	9/29/2014	10/3/2014	MDK	1
Acenaphthylene	< 0.02	ug/l	0.02	0.063	1	M8270D	9/29/2014	10/3/2014	MDK	1
Anthracene	< 0.018	ug/l	0.018	0.057	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(a)anthracene	< 0.023	ug/l	0.023	0.073	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(a)pyrene	< 0.02	ug/l	0.02	0.063	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(b)fluoranthene	< 0.019	ug/l	0.019	0.06	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(g,h,i)perylene	< 0.024	ug/l	0.024	0.076	1	M8270D	9/29/2014	10/3/2014	MDK	1
Benzo(k)fluoranthene	< 0.027	ug/l	0.027	0.087	1	M8270D	9/29/2014	10/3/2014	MDK	1
Chrysene	< 0.018	ug/l	0.018	0.058	1	M8270D	9/29/2014	10/3/2014	MDK	1
Dibenzo(a,h)anthracene	< 0.028	ug/l	0.028	0.092	1	M8270D	9/29/2014	10/3/2014	MDK	1
Fluoranthene	< 0.022	ug/l	0.022	0.069	1	M8270D	9/29/2014	10/3/2014	MDK	1
Fluorene	< 0.022	ug/l	0.022	0.069	1	M8270D	9/29/2014	10/3/2014	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.027	ug/l	0.027	0.086	1	M8270D	9/29/2014	10/3/2014	MDK	1
1-Methyl naphthalene	< 0.021	ug/l	0.021	0.065	1	M8270D	9/29/2014	10/3/2014	MDK	1
2-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270D	9/29/2014	10/3/2014	MDK	1
Naphthalene	0.046 "J"	ug/l	0.023	0.073	1	M8270D	9/29/2014	10/3/2014	MDK	1
Phenanthrene	< 0.018	ug/l	0.018	0.057	1	M8270D	9/29/2014	10/3/2014	MDK	1
Pyrene	< 0.022	ug/l	0.022	0.071	1	M8270D	9/29/2014	10/3/2014	MDK	1
VOC's										
Benzene	0.74 "J"	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/30/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
sec-Butylbenzene	1.07	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
n-Butylbenzene	0.53 "J"	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/30/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/30/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/30/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/30/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/30/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/30/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/30/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/30/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/30/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/30/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/30/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/30/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/30/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/30/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/30/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/30/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/30/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/30/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759F
Sample ID MW-2
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Isopropylbenzene	4.4	ug/l	0.3	0.96	1	8260B		9/30/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/30/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/30/2014	CJR	1
Methyl tert-butyl ether (MTBE)	5.2	ug/l	0.23	0.74	1	8260B		9/30/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/30/2014	CJR	1
n-Propylbenzene	1.36	ug/l	0.25	0.81	1	8260B		9/30/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/30/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/30/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/30/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/30/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/30/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/30/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/30/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/30/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/30/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/30/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/30/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/30/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/30/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/30/2014	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		9/30/2014	CJR	1
SUR - Dibromofluoromethane	90	REC %			1	8260B		9/30/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.21	mg/l	0.15	0.48	1	353.2		10/10/2014	MDK	1
Sulfate, Filtered	121	mg/l	18.9	60.1	10	ASTM D516-		10/15/2014	MDK	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759G
Sample ID MW-1
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.32	mg/l	0.06	0.21	1	200.7		10/3/2014	CWT	1
Lead, Dissolved	1.5 "J"	ug/L	0.7	2.5	1	7421		10/1/2014	CWT	1
Manganese, Dissolved	621	ug/L	4.8	15.4	1	200.7		10/3/2014	CWT	1
Organic										
VOC's										
Benzene	2010	ug/l	2.4	7.7	10	8260B		10/1/2014	CJR	1
Bromobenzene	< 3.2	ug/l	3.2	10	10	8260B		10/1/2014	CJR	1
Bromodichloromethane	< 3.7	ug/l	3.7	12	10	8260B		10/1/2014	CJR	1
Bromoform	< 3.5	ug/l	3.5	11	10	8260B		10/1/2014	CJR	1
tert-Butylbenzene	< 3.6	ug/l	3.6	12	10	8260B		10/1/2014	CJR	1
sec-Butylbenzene	14.8	ug/l	3.3	10	10	8260B		10/1/2014	CJR	1
n-Butylbenzene	39	ug/l	3.5	11	10	8260B		10/1/2014	CJR	1
Carbon Tetrachloride	< 3.3	ug/l	3.3	11	10	8260B		10/1/2014	CJR	1
Chlorobenzene	< 2.4	ug/l	2.4	7.7	10	8260B		10/1/2014	CJR	1
Chloroethane	< 6.3	ug/l	6.3	20	10	8260B		10/1/2014	CJR	1
Chloroform	< 2.8	ug/l	2.8	8.8	10	8260B		10/1/2014	CJR	1
Chloromethane	< 8.1	ug/l	8.1	26	10	8260B		10/1/2014	CJR	1
2-Chlorotoluene	< 2.1	ug/l	2.1	6.6	10	8260B		10/1/2014	CJR	1
4-Chlorotoluene	< 2.1	ug/l	2.1	6.8	10	8260B		10/1/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 8.8	ug/l	8.8	28	10	8260B		10/1/2014	CJR	1
Dibromochloromethane	< 2.2	ug/l	2.2	7	10	8260B		10/1/2014	CJR	1
1,4-Dichlorobenzene	< 3	ug/l	3	9.6	10	8260B		10/1/2014	CJR	1
1,3-Dichlorobenzene	< 2.8	ug/l	2.8	8.9	10	8260B		10/1/2014	CJR	1
1,2-Dichlorobenzene	< 3.6	ug/l	3.6	12	10	8260B		10/1/2014	CJR	1
Dichlorodifluoromethane	< 4.4	ug/l	4.4	14	10	8260B		10/1/2014	CJR	1
1,2-Dichloroethane	< 4.1	ug/l	4.1	13	10	8260B		10/1/2014	CJR	1
1,1-Dichloroethane	< 3	ug/l	3	9.7	10	8260B		10/1/2014	CJR	1
1,1-Dichloroethene	< 4	ug/l	4	13	10	8260B		10/1/2014	CJR	1
cis-1,2-Dichloroethene	< 3.8	ug/l	3.8	12	10	8260B		10/1/2014	CJR	1
trans-1,2-Dichloroethene	< 3.5	ug/l	3.5	11	10	8260B		10/1/2014	CJR	1
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	10	8260B		10/1/2014	CJR	1
2,2-Dichloropropane	< 3.6	ug/l	3.6	12	10	8260B		10/1/2014	CJR	1
1,3-Dichloropropane	< 3.3	ug/l	3.3	10	10	8260B		10/1/2014	CJR	1
Di-isopropyl ether	< 2.3	ug/l	2.3	7.3	10	8260B		10/1/2014	CJR	1
EDB (1,2-Dibromoethane)	< 4.4	ug/l	4.4	14	10	8260B		10/1/2014	CJR	1
Ethylbenzene	1970	ug/l	5.5	17	10	8260B		10/1/2014	CJR	1
Hexachlorobutadiene	< 15	ug/l	15	48	10	8260B		10/1/2014	CJR	1
Isopropylbenzene	84	ug/l	3	9.6	10	8260B		10/1/2014	CJR	1
p-Isopropyltoluene	6.7 "J"	ug/l	3.1	9.8	10	8260B		10/1/2014	CJR	1
Methylene chloride	< 5	ug/l	5	16	10	8260B		10/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	52	ug/l	2.3	7.4	10	8260B		10/1/2014	CJR	1
Naphthalene	370	ug/l	17	55	10	8260B		10/1/2014	CJR	1
n-Propylbenzene	230	ug/l	2.5	8.1	10	8260B		10/1/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 4.5	ug/l	4.5	14	10	8260B		10/1/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 3.3	ug/l	3.3	11	10	8260B		10/1/2014	CJR	1
Tetrachloroethene	< 3.3	ug/l	3.3	11	10	8260B		10/1/2014	CJR	1
Toluene	83	ug/l	6.9	22	10	8260B		10/1/2014	CJR	1
1,2,4-Trichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		10/1/2014	CJR	1
1,2,3-Trichlorobenzene	< 18	ug/l	18	58	10	8260B		10/1/2014	CJR	1
1,1,1-Trichloroethane	< 3.3	ug/l	3.3	10	10	8260B		10/1/2014	CJR	1
1,1,2-Trichloroethane	< 3.4	ug/l	3.4	11	10	8260B		10/1/2014	CJR	1
Trichloroethene (TCE)	< 3.3	ug/l	3.3	10	10	8260B		10/1/2014	CJR	1
Trichlorofluoromethane	< 7.1	ug/l	7.1	23	10	8260B		10/1/2014	CJR	1
1,2,4-Trimethylbenzene	480	ug/l	22	69	10	8260B		10/1/2014	CJR	1
1,3,5-Trimethylbenzene	111	ug/l	14	45	10	8260B		10/1/2014	CJR	1
Vinyl Chloride	< 1.8	ug/l	1.8	5.7	10	8260B		10/1/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759G
Sample ID MW-1
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	1380	ug/l	6.9	22	10	8260B		10/1/2014	CJR	1
o-Xylene	68	ug/l	6.3	20	10	8260B		10/1/2014	CJR	1
SUR - Toluene-d8	102	REC %			10	8260B		10/1/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			10	8260B		10/1/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			10	8260B		10/1/2014	CJR	1
SUR - 4-Bromofluorobenzene	84	REC %			10	8260B		10/1/2014	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.21	mg/l	0.15	0.48	1	353.2		10/10/2014	MDK	1
Sulfate, Filtered	11.7	mg/l	3.78	12.02	2	ASTM D516-		10/15/2014	MDK	3

Lab Code 5027759H
Sample ID 5433 SUMP
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/6/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/6/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/6/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/6/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/6/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/6/2014	CJR	1

Lab Code 5027759I
Sample ID 5431 SUMP
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/6/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/6/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/6/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/6/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/6/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/6/2014	CJR	1

Project Name KIPPS AUTO&TOWING **Invoice #** E27759
Project #

Lab Code 5027759J
Sample ID TB
Sample Matrix Water
Sample Date 9/23/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/1/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/1/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/1/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/1/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/1/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/1/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/1/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/1/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/1/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/1/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/1/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/1/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/1/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/1/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/1/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/1/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/1/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/1/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/1/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/1/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/1/2014	CJR	8
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/1/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/1/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/1/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/1/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/1/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/1/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/1/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/1/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/1/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/1/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/1/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/1/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/1/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/1/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/1/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/1/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/1/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/1/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/1/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/1/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/1/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/1/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/1/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/1/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/1/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/1/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/1/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/1/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/1/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/1/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		10/1/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		10/1/2014	CJR	1
SUR - 4-Bromofluorobenzene	88	REC %			1	8260B		10/1/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		10/1/2014	CJR	1

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

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

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

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

Chain # N2 2760
Page 1 of 1

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

Lab I.D. #
Account No. :
Quote No.:
Project #:
Sampler: (signature) Jacob Zahn

Project (Name / Location): Kipps Auto & Towing - Milwaukee, WI

Reports To: Melvin Kipp	Invoice To: Melvin Kipp c/o METCO
Company	Company METCO
Address 5507 W. Hampton Ave.	Address 709 Gillette St
City State Zip Milwaukee, WI, 53218	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Lab I.D	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation H_2SO_4 / HCl / HNO_3
502-79541 A	MW - 3	9-23	10:10			Y	6	GW	HCl
B	MW - 4		10:30				6		
C	MW - 5		10:50				6		
D	MW - 7		11:10				7		
E	MW - 6		12:00				6		
F	MW - 2		11:30				7		
G	MW - 1		12:20				6		
H	5433 Sump		9:30				3		
I	5431 Sump		9:30				3		
J	TB						1		

Analysis Requested / **Other Analysis**

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

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

Lab to send copy to METCO / Jason P (invoice)

U & C rates apply * Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Jacob Zahn	9:15	9-24-14			

Received in Laboratory By: [signature] Time: 8:05 Date: 9/25/14

Synergy Environmental Lab,

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

MELVIN KIPP
KIPPS AUTO & TOWING
5507 W. HAMPTON AVENUE
MILWAUKEE, WI 53218

Report Date *24-Dec-14*

Project Name KIPP'S AUTO&TOWING **Invoice #** E28266
Project #

Lab Code 5028266A
Sample ID MW-3
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/20/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/20/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/20/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/20/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/20/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/20/2014	CJR	1

Lab Code 5028266B
Sample ID MW-4
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/20/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/20/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/20/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/20/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/20/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/20/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/20/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/20/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/20/2014	CJR	1

Project Name KIPP'S AUTO&TOWING **Invoice #** E28266
Project #

Lab Code 5028266C
Sample ID MW-5
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/22/2014	CJR	1

Lab Code 5028266D
Sample ID MW-7
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	0.53 "J"	ug/l	0.27	0.85	1	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	3.3	ug/l	0.37	1.2	1	GRO95/8021		12/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/22/2014	CJR	1

Lab Code 5028266E
Sample ID MW-6
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/22/2014	CJR	1

Project Name KIPP'S AUTO&TOWING **Invoice #** E28266
Project #

Lab Code 5028266F
Sample ID MW-2
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	1.39	ug/l	0.27	0.85	1	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	4.0	ug/l	0.37	1.2	1	GRO95/8021		12/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/22/2014	CJR	1

Lab Code 5028266G
Sample ID MW-1
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	1.9 "J"	ug/L	0.7	2.5	1	7421		12/23/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	2010	ug/l	2.7	8.5	10	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	2280	ug/l	8.2	26	10	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	70	ug/l	3.7	12	10	GRO95/8021		12/22/2014	CJR	1
Naphthalene	340	ug/l	12	38	10	GRO95/8021		12/22/2014	CJR	1
Toluene	103	ug/l	8	26	10	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	530	ug/l	8.3	26	10	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	72	ug/l	8.6	27	10	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	1200	ug/l	16	52	10	GRO95/8021		12/22/2014	CJR	1
o-Xylene	61	ug/l	8.1	26	10	GRO95/8021		12/22/2014	CJR	1

Lab Code 5028266H
Sample ID TB
Sample Matrix Water
Sample Date 12/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		12/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		12/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		12/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		12/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		12/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		12/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		12/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		12/22/2014	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.

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

Synergy

Environmental Lab, Inc.

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

Chain # Nº 316

Page 1 of 1

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

Lab I.D. #

Account No. : | Quote No.:

Project #:

Sampler: (signature) Jacob Zahn

Project (Name / Location): Kipps Auto & Towing

Reports To: Melvin Kipp	Invoice To: Melvin Kipp c/o METCO
Company	Company METCO
Address 5507 W. Hampton Ave	Address 709 Gillette St. Ste. 3
City State Zip Milwaukee, WI, 53218	City State Zip La Crosse, WI, 54603
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
502826 A	MW-3	12/17	7:30				3	GW	HCl
K	MW-4		8:20				3		
C	MW-5		9:10				3		
D	MW-7		10:00				4		
E	MW-6		10:50				3		
F	MW-2		11:40				4		
G	MW-1		12:30				4		HCl / HNO_3
H	TB								

Analysis Requested | **Other Analysis**

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

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

- Send copy of results and invoice to METCO / Jason P.
- U&C rates apply.
- Agent status site

MW-2 + MW-7 PAH vials received broken - CSA 12-19-14

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Jacob Zahn	9:00am	12/18/14			

Received in Laboratory By: [signature] Time: 9:00 Date: 12/19/14

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

State of Wisconsin
Department of Natural Resources

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

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Kipp's Auto & Towing Service	241199530		1/29/2015	Jon Jensen/METCO

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			323591.36	X																	
VO510	MW-1		586630.78	X		3/31/2014	2	P	660.4	660.7	X		5		15	10	11/mw	A	X	D	15
			323532.95	X																	
VO511	MW-2		586614.96	X		3/31/2014	2	P	663.75	660.9	X		5		15	10	11/mw	A	X	U	5
			323597.95	X																	
VO512	MW-3		586544.18	X		3/31/2014	2	P	661.94	662.3	X		5		15	10	11/mw	A	X	U	45
			323666.63	X																	
VO513	MW-4		586678.19	X		3/31/2014	2	P	659.99	660.58	X		5		15	10	11/mw	A	X	D	93
			323608.16	X																	
VO514	MW-5		586736.34	X		3/31/2014	2	P	658.49	658.8	X		5		15	10	11/mw	A	X	D	122
			323526.9	X																	
VO515	MW-6		586733.63	X		3/31/2014	2	P	657.87	658.25	X		6		16	10	11/mw	A	X	S	125
			323509.24	X																	
VO516	MW-7		586685.03	X		3/31/2014	2	P	657.75	658.08	X		4		14	10	11/mw	A	X	S	75

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

Grid Origin Location: (Check if estimated: ☐)
Lat. 43 ° 6 ' 16 " Long. 87 ° 58 ' 56 " or
St. Plane _____ ft. N. _____ ft. E. S/C/N Zone

Remarks:

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO510 / DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed: 8/01/2014 (m m d d y y y y)
Type of Well: Well Code 11/MW	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice / Geiss Soil & Samples LLC
Distance from Waste/Source: _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 6 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

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

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

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 15 ft.

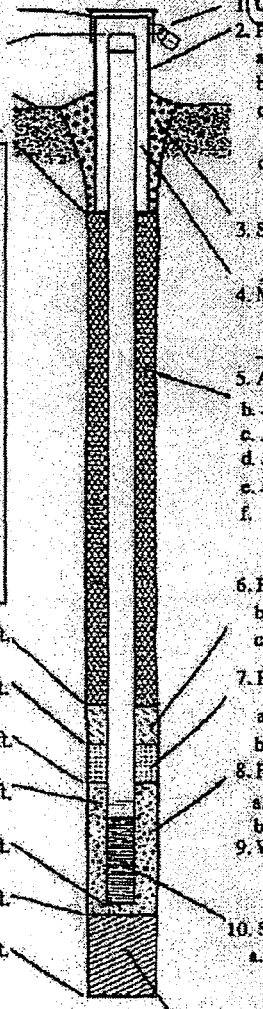
J. Filter pack, bottom _____ ft. MSL or 15.5 ft.

K. Borehole, bottom _____ ft. MSL or 15.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.40 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14 / Other ☒ _____

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

Signature: Darrin Prentice | Firm: Geiss Soil & Samples LLC

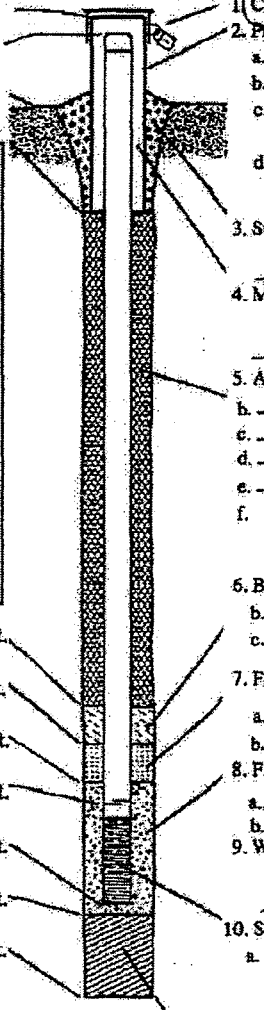
Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295,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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO511 / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04,01,2014 (m m d d y y y y)
Type of Well: Well Code 11/MW	Section Location of Waste/Source: 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice / Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____
15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe _____
17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or 5 ft.
F. Fine sand, top _____ ft. MSL or 3 ft.
G. Filter pack, top _____ ft. MSL or 4 ft.
H. Screen joint, top _____ ft. MSL or 5 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 15.5 ft.
K. Borehole, bottom _____ ft. MSL or 15.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer MonoFlex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☒ _____

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

Signature: Darrin Prentice | Firm: Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: ft. ☐N. ☐S. ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO512 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed: 04,01,2014 (m m d d y y y y)
Type of Well: Well Code 11/MW	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N. R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice, Geiss Soil & Samples LLC
Distance from Waste/Source ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number

A. Protective pipe, top elevation ft. MSL
B. Well casing, top elevation ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No
Describe

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

E. Bentonite seal, top ft. MSL or 5 ft.
F. Fine sand, top ft. MSL or 3 ft.
G. Filter pack, top ft. MSL or 4 ft.
H. Screen joint, top ft. MSL or 5 ft.
I. Well bottom ft. MSL or 15 ft.
J. Filter pack, bottom ft. MSL or 15.5 ft.
K. Borehole, bottom ft. MSL or 15.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.06 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30 Concrete ☒ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight . . . . Bentonite slurry ☐ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 20 ft.
11. Backfill material (below filter pack): None ☐ 14 Other ☒

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

Signature: Darrin Prentice Firm: Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: ____ ft. ☐N ☐S, ____ ft. ☐E ☐W	Well Name: MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO513 / DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 04,01,2014 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec, ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice / Geiss Soil & Samples LLC
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

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

E. Bentonite seal, top _____ ft. MSL or 5 ft.
F. Fine sand, top _____ ft. MSL or 3 ft.
G. Filter pack, top _____ ft. MSL or 4 ft.
H. Screen joint, top _____ ft. MSL or 5 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 15.5 ft.
K. Borehole, bottom _____ ft. MSL or 15.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☒ _____

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

Signature: Darrin Prentice | Firm: Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ ° _____ ' _____ " Long. _____ ° _____ ' _____ " or	Wis. Unique Well No.: VO514 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04,01,2014 (m m d d y y y y)
Type of Well: Well Code 11, MW	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N, R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice, Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

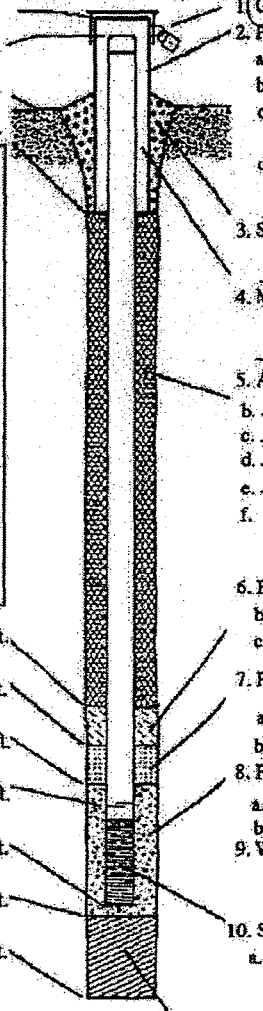
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

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

E. Bentonite seal, top _____ ft. MSL or 5 ft.
F. Fine sand, top _____ ft. MSL or 3 ft.
G. Filter pack, top _____ ft. MSL or 4 ft.
H. Screen joint, top _____ ft. MSL or 5 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 15.5 ft.
K. Borehole, bottom _____ ft. MSL or 15.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer: MonoFlex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☒ _____

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

Signature	Firm
Darrin Prentice	Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: ft. ☐N ☐S, ft. ☐E ☐W	Well Name: MW-6
Facility/License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO515 / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 04/01/2014 (m m d d y y y y)
Type of Well: Well Code 11/MW	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N. R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice, Geiss Soil & Samples LLC
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ft. MSL
B. Well casing, top elevation ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No
Describe

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

E. Bentonite seal, top ft. MSL or 5 ft.
F. Fine sand, top ft. MSL or 4 ft.
G. Filter pack, top ft. MSL or 5 ft.
H. Screen joint, top ft. MSL or 6 ft.
I. Well bottom ft. MSL or 16 ft.
J. Filter pack, bottom ft. MSL or 16.5 ft.
K. Borehole, bottom ft. MSL or 16.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.06 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer MonoFlex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☒

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

Signature: Darrin Prentice Firm: Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Kipps Automotive	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VO516 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04/01/2014 (m m d d y y y y)
Type of Well: Well Code 11/MW	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. ____ T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Darrin Prentice / Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

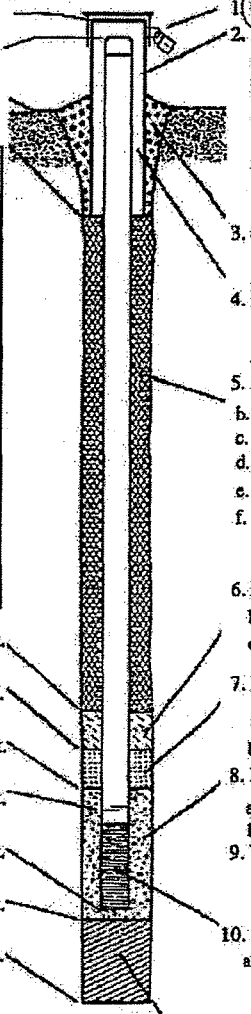
16. Drilling additives used? ☐ Yes ☒ No

Describe _____

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

_____

E. Bentonite seal, top _____ ft. MSL or 5 ft.
F. Fine sand, top _____ ft. MSL or 3 ft.
G. Filter pack, top _____ ft. MSL or 3.5 ft.
H. Screen joint, top _____ ft. MSL or 4 ft.
I. Well bottom _____ ft. MSL or 14 ft.
J. Filter pack, bottom _____ ft. MSL or 14.5 ft.
K. Borehole, bottom _____ ft. MSL or 14.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.40 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Red Flint
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer MonoFlex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☒ _____

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

Signature: Darrin Prentice | Firm: Geiss Soil & Samples LLC

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO510	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	[X] 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ [illegible]

3. Time spent developing well 55 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 11.9 gal.

7. Volume of water removed from well 55 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.15 ft.	4.48 ft.
Date	b. 04 / 03 / 2014 (m m / d d / y y y y)	4/ /3 / 14 (m m / d d / y y y y)
Time	c. 08 : 55 [X] a.m. ☐ p.m.	09 : 50 [X] a.m. ☐ p.m.
12. Sediment in well bottom	6 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Clear
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:
Hand bailed 35 gallons, pumped 20 gallons.

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO511	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 30 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9.1 gal.

7. Volume of water removed from well 30 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.72 ft.	14.94 ft.
Date	b. 04 / 03 / 2014 (m m / d d / y y y y)	4/ / 3 / 14 (m m / d d / y y y y)
Time	c. 08 : 20 [X] a.m. ☐ p.m.	08 : 50 [X] a.m. ☐ p.m.
12. Sediment in well bottom	6 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan / High Turbidity	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan / Low Turbidity
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO512	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 35 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 5.2 gal.

7. Volume of water removed from well 6 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 10.31 ft.	14.82 ft.
Date	b. 04 / 01 / 2014 (m m / d d / y y y y)	4/ /1 / 14 (m m / d d / y y y y)
Time	c. 08 : 25 [X] a.m. ☐ p.m.	09 : 00 [X] a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:
Purged dry 3 times

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO513	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 15 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 7.8 gal.

7. Volume of water removed from well 8 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.94 ft.	14.65 ft.
Date	b. 04 / 03 / 2014 (m m / d d / y y y y)	4/ /3 / 14 (m m / d d / y y y y)
Time	c. 08 : 00 [X] a.m. ☐ p.m.	08 : 15 [X] a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO514	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X] 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 15 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.39 ft.	14.04 ft.
Date	b. 04 / 01 / 2014 (m m d d y y y y)	4/ /1 / 14 (m m d d y y y y)
Time	c. 09 : 55 [X] a.m. ☐ p.m.	10 : 10 [X] a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-6

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO515	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 25 min.

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

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 13.3 gal.

7. Volume of water removed from well 13 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.86 ft.	13.25 ft.
Date	b. 04 / 01 / 2014 (m m d d y y y y)	4/ /1 / 14 (m m d d y y y y)
Time	c. 09 : 30 [X] a.m. ☐ p.m.	09 : 55 [X] a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan
	High Turbidity	Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
Kipps Auto & Towing Service	MILWAUKEE	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VO516	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 20 min.

4. Depth of well (from top of well casisng) 14 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9.6 gal.

7. Volume of water removed from well 10 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.31 ft.	13.08 ft.
Date	b. 04 / 01 / 2014 (m m d d y y y y)	4/ /1 / 14 (m m d d y y y y)
Time	c. 09 : 05 [X] a.m. ☐ p.m.	09 : 25 [X] a.m. ☐ p.m.
12. Sediment in well bottom	1 inches	inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Tan	Clear [X] 20 Turbid ☐ 25 (Describe) Light Tan
	High Turbidity	Low Turbidity

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

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Melvin Last Name: Kipp
Facility/Firm: Kipps Auto & Towing Service
Street: 5507 West Hampton Avenue
City/State/Zip: Milwaukee WI 53218-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Eric Dahl
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 (0-4 feet)	24		1 2 3 4	Tan sand and gravel	FILL			0			M			No Petro Odor
			5 6 7											
G-1-2 (4-8 feet)	24		8	Tan pea gravel	FILL			50			M/W			Slight Petro Odor
			9	8'-9' Tan pea gravel	FILL									
			10 11											
G-1-3 (8-12 feet) G-1-W (7-12 feet)	36		12	9'-12' Tan clay EOB 12 Feet Groundwater sample G-1-W collected.. Borehole Abandoned.	CL			70			W			Slight Petro Odor

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-2-1 (0-4 feet)	12		4	Tan sand and gravel	FILL			30			M			Slight Petro Odor
G-2-2 (4-8 feet)	24		8	Tan pea gravel	FILL			50			M/W			Slight Petro Odor
			11	8'-11' Tan pea gravel	FILL									
G-2-3 (8-12 feet) G-2-W (7-12 feet)	24		12	11'-12' Gray clay	CL			50			W			Slight Petro Odor
				EOB 12 Feet Groundwater sample G-2-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-3-1 (0-4 feet)	18		4	Brown gravely clay	CL			0			M			No Petro Odor
			5	4'-5' Brown gravely clay	CL									
G-3-2 (4-8 feet)	24		8	5'-8' Brown clay	CL			20			M			Slight Petro Odor
			9	8'-9' Brown gravely clay	CL									
G-3-3 (8-12 feet) G-3-W (7-12 feet)	36		12	9'-12' Brown clay	CL			5			W			No Petro Odor
				EOB 12 Feet Groundwater sample G-3-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-4-1 (0-4 feet)	36		4	Brown sandy clay	CL			0			M			No Petro Odor
G-4-2 (4-8 feet)	0		8	No Recovery				-			-			
G-4-3 (8-12 feet)	48		12	Brown to gray clay	CL			0			M			No Petro Odor
G-4-4 (12-16 feet)	48		16	Brown to gray clay	CL			0			M/W			No Petro Odor
G-4-W (11-16 feet)				EOB 16 Feet Groundwater sample G-4-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Firm: Geiss	04/22/13 MM/ DD/ YYYY	04/22/13 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-5-1 (0-4 feet)	12		4	Brown clay	CL			0			M			No Petro Odor
G-5-2 (4-8 feet)	36		8	Brown clay	CL			0			M			No Petro Odor
G-5-3 (8-12 feet)	42		12	Brown clay	CL			0			M			No Petro Odor
			14	12'-14' Tan sandy/gravely clay	CL									
G-5-4 (12-16 feet) G-5-W (11-16 feet)	48		16	14'-16' Gray clay	CL			0			M/W			No Petro Odor
				EOB 16 Feet Groundwater sample G-5-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Firm: Geiss	04/22/13 MM/ DD/ YYYY	04/22/13 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation	Borehole Diameter
					2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
			0	Concrete										
G-6-1 (0-4 feet)	36		4	Green sandy clay	CL			420			M			Petro Odor
G-6-2 (4-8 feet)	42		8	Green clay	CL			200			M			Petro Odor
			10	8'-10' Green sandy clay	CL									
G-6-3 (8-12 feet) G-6-W (7-12 feet)	48		12	10'-12' Green clay	CL			100			W			Petro Odor
				EOB 12 Feet Groundwater sample G-6-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
				Concrete										
G-7-1 (0-4 feet)	30		4	Brown sandy clay	CL			0			M			No Petro Odor
G-7-2 (4-8 feet)	42		8	Brown to green clay	CL			270			M			Petro Odor from 5-8 feet
G-7-3 (8-12 feet) G-7-W (7-12 feet)	48		12	Green sandy/gravely clay	CL			160			W			Petro Odor
				EOB 12 Feet Groundwater sample G-7-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-8-1 (0-4 feet)	24		1 2 3 4	Brown clay	CL			0			M			No Petro Odor
			5 6 7											
G-8-2 (4-8 feet)	24		8	Brown clay with pea gravel	CL			100			M			Slight Petro Odor from 5-8 feet
			9	8'-9' Pea gravel	FILL									
			10 11											
G-8-3 (8-12 feet) G-8-W (7-12 feet)	36		12	9'-12' Gray clay EOB 12 Feet Groundwater sample G-8-W collected.. Borehole Abandoned.	CL			40			W			Slight Petro Odor

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-9-1 (0-4 feet)	36		1 2 3 4	Brown clay	CL			0			M			No Petro Odor
			5 6 7											
G-9-2 (4-8 feet)	42		8 9 10 11	Brown to gray sandy/gravely clay	CL			300			M			Petro Odor from 6-8 feet
G-9-3 (8-12 feet) G-9-W (7-12 feet)	48		12	Gray to green sandy clay EOB 12 Feet Groundwater sample G-9-W collected.. Borehole Abandoned.	CL			130			M/W			Petro Odor

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-10-1 (0-4 feet)	24		4	Brown sandy clay	CL			0			M			No Petro Odor
G-10-2 (4-8 feet)	24		8	Gray sandy/gravely clay	CL			280			M			Petro Odor from 5-8 feet
G-10-3 (8-12 feet)	48		12	Gray sandy/gravely clay	CL			90			M/W			Petro Odor
G-10-W (7-12 feet)				EOB 12 Feet Groundwater sample G-10-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-11-1 (0-4 feet)	42		1 2 3 4	Brown clay	CL			0			M			No Petro Odor
			5 6 7											
G-11-2 (4-8 feet)	48		8	Brown sandy/gravely clay	CL			0			M			No Petro Odor
			9 10 11											
G-11-3 (8-12 feet)	48		12	Brown to gray sandy/gravely clay	CL			0			M/W			No Petro Odor
G-11-W (7-12 feet)				EOB 12 Feet Groundwater sample G-11-W collected.. Borehole Abandoned.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-12-1 (0-4 feet)	36		4	Brown sandy clay	CL			0			M			No Petro Odor
G-12-2 (4-8 feet)	42		8	Gray sandy clay	CL			210			M			Petro Odor from 5-8 feet
G-12-3 (8-12 feet) G-12-W (7-12 feet)	48		12	Gray sandy clay	CL			0			M/W			Petro Odor from 8-10 feet
				EOB 12 Feet Groundwater sample G-12-W collected.. Borehole Abandoned.										

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location
State Plane N, E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E

Lat 43 ° 6 ' 15.9"
Long 87 ° 58 ' 55.6 "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-13-1 (0-4 feet)	30		1–4	Brown sandy/gravely clay	CL			0			M			No Petro Odor
G-13-2 (4-8 feet)	42		5–8	Gray sandy clay	CL			300			M			Petro Odor
G-13-3 (8-12 feet) G-13-W (7-12 feet)	48		9–12	Gray sandy clay EOB 12 Feet Groundwater sample G-13-W collected.. Borehole Abandoned.	CL			0			M/W			Petro Odor from 8-9 feet

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/22/13	04/22/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-14-1 (0-4 feet)	30		1 2 3 4	Gray to green clay	CL			0			M			No Petro Odor
			5 6 7											
G-14-2 (4-8 feet)	48		8 9 10 11	Gray sandy clay	CL			260			M			Petro Odor from 6-8 feet
G-14-3 (8-12 feet) G-14-W (7-12 feet)	48		12	Gray sandy clay EOB 12 Feet Groundwater sample G-14-W collected.. Borehole Abandoned.	CL			0			M/W			Petro Odor from 8-10 feet

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-15

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Firm: Geiss	04/23/13 MM/ DD/ YYYY	04/23/13 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-15-1 (0-4 feet)	36		1 2 3 4	Brown sandy clay	CL			0			M			No Petro Odor
			5 6 7											
G-15-2 (4-8 feet)	42		8 9 10 11	Gray sandy clay	CL			170			M			Petro Odor from 6-8 feet
G-15-3 (8-12 feet) G-15-W (7-12 feet)	48		12	Gray sandy clay EOB 12 Feet Groundwater sample G-15-W collected.. Borehole Abandoned.	CL			10			M/W			Petro Odor from 8-10 feet

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Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-16

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last:	04/23/13	04/23/13	Geoprobe
Firm: Geiss	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL		2 inches

Local Grid Origin (estimated X) or Boring Location
State Plane N, E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E

Lat 43 ° 6 ' 15.9"
Long 87 ° 58 ' 55.6 "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-16-1 (0-4 feet)	30		4	Brown sandy/gravely clay	CL			0			M			No Petro Odor
G-16-2 (4-8 feet)	36		8	Brown sandy/gravely clay	CL			0			M			No Petro Odor
G-16-3 (8-12 feet)	48		12	Tan sandy/gravely clay	CL			0			M			No Petro Odor
G-16-4 (12-16 feet) G-16-W (11-16 feet)	42		16	Tan sandy/gravely clay EOB 16 Feet Groundwater sample G-16-W collected.. Borehole Abandoned.	CL			0			W			No Petro Odor

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	04/01/2014 MM/ DD/ YYYY	04/01/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO510		MW-1	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-1-1 (0-4 feet)	48 36		2	Gray sandy clay	CL		See Well Construction Form	80		M				Slight Petro Odor
			4											
MW-1-2 (4-8 feet)	48 48		6	Gray sandy clay w/ gravel	CL			515		M				Petro Odor
			8	Gray clayey sand w/ gravel (8-10')	SC									
MW-1-3 (8-12 feet)	48 48		10	Gray sandy clay w/ gravel (10-12')	CL			60		W				Petro Odor
			12											
			14											
			16	EOB @ 15 feet. Installed monitoring well MW-1 to 15 feet.										
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	04/01/2014 MM/ DD/ YYYY	04/01/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO511		MW-2	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-2-1 (0-4 feet)	48 24		2	Tan sandy/gravely clay	Fill		See Well Construction Form	0		M				No Petro Odor
			4											
				Tan sandy/gravely clay (4-6')	Fill									
MW-2-2 (4-8 feet)	48 24		6					10		M				Slight Petro Odor From 6-8 Feet
				Green sandy clay (6-8')	CL									
			8											
MW-2-3 (8-12 feet)	48 48		10	Tan sandy clay w/ gravel	CL			0		W				No Petro Odor
			12											
			14											
				EOB @ 15 feet. Installed monitoring well MW-2 to 15 feet.										
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		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 Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO512		MW-3	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-3-1 (0-4 feet)	48 0		2	No Recovery			See Well Construction Form							
			4											
MW-3-2 (4-8 feet)	48 42		6	Tan clayey sand	CL			0		M				No Petro Odor
			8											
MW-3-3 (8-12 feet)	48 48		10	Tan to gray sandy clay	CL			0		W				No Petro Odor
			12											
			14											
			16	EOB @ 15 feet. Installed monitoring well MW-3 to 15 feet.										
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		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 Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO513		MW-4	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat 43 ° 6 ' 15.9"	N	E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-4-1 (0-4 feet)	48 24		2	Brown clay	CL		See Well Construction Form	0		M				No Petro Odor
			4											
MW-4-2 (4-8 feet)	48 12		6	Tan clay	CL			0		M				No Petro Odor
			8											
MW-4-3 (8-12 feet)	48 42		10	Tan sandy clay w/ gravel	CL			0		W				No Petro Odor
			12											
			14											
			16	EOB @ 15 feet. Installed monitoring well MW-4 to 15 feet.										
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		MW-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO514		MW-5	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-5-1 (0-4 feet)	48 30		2	Tan sandy clay	CL		See Well Construction Form	0		M				No Petro Odor
			4											
MW-5-2 (4-8 feet)	48 48		6	Tan sandy clay w/ gravel	CL			0		M/W				No Petro Odor
			8											
MW-5-3 (8-12 feet)	48 48		10	Tan to gray sandy clay	CL			0		W				No Petro Odor
			12											
			14											
			16	EOB @ 15 feet. Installed monitoring well MW-5 to 15 feet.										
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		MW-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO515		MW-6	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-6-1 (0-4 feet)	48 36		2	Gray clay	CL		See Well Construction Form	0		M				No Petro Odor
MW-6-2 (4-8 feet)	48 48		6	Tan sandy clay w/ gravel	CL			0		M				No Petro Odor
MW-6-3 (8-12 feet)	48 48		10	Tan sandy clay w/ gravel	CL			0		M				No Petro Odor
MW-6-4 (12-16 feet)	48 48		14	Tan to gray clay	CL			0		W				No Petro Odor
			16	EOB @ 16 feet. Installed monitoring well MW-6 to 16 feet.										
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		MW-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VO516		MW-7	650 Feet MSL	660 Feet MSL	8 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-7-1 (0-4 feet)	48 30		2	Tan clay	CL		See Well Construction Form	0		M				No Petro Odor
			4											
MW-7-2 (4-8 feet)	48 48		6	Tan clay	CL			0		M				No Petro Odor
			8	Tan clayey sand (8-10')	SC									
MW-7-3 (8-12 feet)	48 48		10					0		W				No Petro Odor
			12	Tan sandy clay w/ gravel (10-12')	CL									
			14	EOB @ 14 feet. Installed monitoring well MW-7 to 14 feet.										
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-17

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil & Samples, LLC	03/31/2014 MM/ DD/ YYYY	03/31/2014 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			650 Feet MSL	660 Feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-17-1 (0-4 feet)	48 30		2	Tan sandy clay	CL			0		M				No Petro Odor
			4											
G-17-2 (4-8 feet)	48 48		6	Tan sandy clay w/ gravel	CL			0		M				No Petro Odor
			8											
G-17-3 (8-12 feet)	48 48		10	Tan sandy clay w/ gravel	CL			0		M/W				No Petro Odor
			12	EOB @ 12 feet. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Kipp's Auto & Towing Service		G-18

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	03/31/2014	03/31/2014	Geoprobe
Firm: Geiss Soil & Samples, LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			650 Feet MSL	660 Feet MSL	2 inches

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43 ° 6 ' 15.9"	N E
NW¼ of NW¼ of Section 02 , T 07 N, R 21 E	Long 87 ° 58 ' 55.6 "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
241199530	Milwaukee	41	Milwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-18-1 (0-4 feet)	48 30		2	Tan sandy clay	CL			0		M				No Petro Odor
G-18-2 (4-8 feet)	48 48		6	Tan to gray sandy clay	CL			160		M/W				Petro Odor From 7-8 Feet
G-18-3 (8-12 feet)	48 48		10	Tan sandy clay w/ gravel	CL			3		W				No Petro Odor
			12	EOB 12 feet. Borehole abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report 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 this form may result in a forteiture 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 the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-1 | Gov't Lot (If applicable):

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report 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 this form may result in a forteiture 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 the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-2 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-3 | Gov't Lot (If applicable):

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report 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 this form may result in a forteiture 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 the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-4 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608) 781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-5 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: E Dahl | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY

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Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-6 | Gov't Lot (If applicable):

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: Eric Dahl | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION

WI Unique Well No. - - - - - | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-7 | Gov't Lot (If applicable):

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: - - - - -

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: Eric Dahl | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-8 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-9 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-10 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-11 Gov't Lot (If applicable)

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-12 Gov't Lot (If applicable)

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-13 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-14 | Gov't Lot (If applicable):

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/22/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/22/2013

Signature of Person Doing Work: E Dahl | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-15 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/23/2013

[X] Borehole / Drillhole
☐ Monitoring Well
☐ Water Well

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) | Casing Diameter (in.) 2 | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/23/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form may result in a forteiture 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 the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-16 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipp's Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.:

Street Address of Well: 5507 W Hampton Ave

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner:

Street Address or Route of Owner: 5507 W. Hampton Ave

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 4/23/2013

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16 (From groundsurface) Casing Diameter (in.) 2

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	24	

(6) Comments: Abandoned by Geiss under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl (METCO) | Date of Abandonment: 4/23/2013

Signature of Person Doing Work: [signature] | Date Signed: 5/15/13

Street or Route: 709 Gillette St. Ste. 3 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION

WI Unique Well No.: _ _ _ _ _ _
DNR Well ID No.:
County: MILWAUKEE

Common Well Name: G-17 Gov't Lot (If applicable):

NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W
Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling Complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Kipps Auto & Towing Service

Facility ID: 241199530

License/Permit/Monitoring No.:

Street Address of Well: 5507 West Hampton Avenue

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp

Original Owner:

Street Address or Route of Owner: 5507 West Hampton Avenue

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/31/2014

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface)
Casing Diameter (in.)
Casing Depth (ft.)
Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 11

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
[X] Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Pounds	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl/METCO

Date of Abandonment: 3/31/2014

Signature of Person Doing Work

Date Signed: 5/1/14

Street or Route: 709 Gillette Street, Suite 3

Telephone Number: (608)781-8879

City, State, Zip Code: La Crosse WI 54603-

FOR DNR OR COUNTY USE ONLY

Date Received: Noted By:

Comments:

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: G-18 | Gov't Lot (If applicable)

Grid Location: NW 1/4 of NW 1/4 of Sec. 2 ; T. 7 N; R. 21 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 43 ° 6 ' 15.9 " Long 87 ° 58 ' 55.6 " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Sampling Complete | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name: Kipps Auto & Towing Service

Facility ID: 241199530 | License/Permit/Monitoring No.

Street Address of Well: 5507 West Hampton Avenue

City, Village, or Town: Milwaukee

Present Well Owner: Melvin Kipp | Original Owner

Street Address or Route of Owner: 5507 West Hampton Avenue

City, State, Zip Code: Milwaukee WI 53218-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/31/2014

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12 (From groundsurface) Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 7

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
[X] Bentonite Chips

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☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Pounds	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	18	

(6) Comments: Abandoned by Geiss Soil & Samples, LLC under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Eric Dahl/METCO | Date of Abandonment: 3/31/2014

Signature of Person Doing Work: [signature] | Date Signed: 5/1/14

Street or Route: 709 Gillette Street, Suite 3 | Telephone Number: (608)781-8879

City, State, Zip Code: La Crosse WI 54603-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

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

INVOICE

6-3 20 14

CUSTOMER
Melvin Kipp % MRO
709 Gillette ST
La Crosse WI 54603

JOB NAME
Kipps Auto
Milwaukee

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	274 —	274 —
	5	Haul soil drums to Advanced Disposal	5	103 —	515 —
				TOTAL	789 —

Thank You

Due upon receipt of invoice.
1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE _____

92

APPENDIX E/ OTHER DOCUMENTATION

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

Abbreviations:

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

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

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

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

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

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

Test	Original Sample Container	Preserved	Holding Time to Analysis
WET CHEMISTRY			
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H_2SO_4	28 days
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days
Cyanide SW846 9012A/SM4500-CN-C	1000 mL HDPE	4°C, pH>12 with NaOH	14 days
Flashpoint SW846 1010	250 mL HDPE	4°C	28 days
Fluoride EPA 300.0	250 mL HDPE	4°C	28 days
Hardness SW846 6010B	250 mL HDPE	4°C, pH<2 with HNO_3	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrate EPA 300.0	250 mL HDPE	4°C	48 hours
Nitrate+Nitrite EPA 300.0	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrite EPA 300.0	250 mL HDPE	4°C	48 hours
Oil & Grease EPA 1664	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H_2SO_4 or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Sulfate EPA 300.0	250 mL HDPE	4°C	28 days
Total Dissolved Solids EPA 160.1	250 ml HDPE	4°C	7 days
Total Solids EPA 160.3	250 ml HDPE	4°C	7 days
Total Suspended Solids EPA 160.2	250 mL HDPE	4°C	7 days
METALS			
Metals	250 mL HDPE	4°C, pH<2 with HNO_3	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO_3	28 days
ORGANICS			
Semivolatiles SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr
PAH SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted	4°C	7 days extr. 40 days following extr
PCB SW846 8082	1 Liter amber glass, collect 2 for one of the samples submitted.	4°C	7 days extr. 40 days following extr
DRO, Modified DNR Sep 95	1 Liter amber glass with Teflon lined cap	4°C, 5 mL 50% HCl	7 days extr. 40 days following extr
VOC'S SW846 8260B/EPA524.2	(3) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl, No Headspace	14 days
GRO/VOC	(4) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO, Modified DNR Sep 95	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO/PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days

All samples are to be cooled to 4°C until tested.
HDPE = High Density Polyethylene.

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

Test	Original Sample Container	Preserved	Holding Times from Date and Time of Collection			
			Solvent Addition	Shipping	Extraction	Analysis
METALS						
Metals	2 oz glass or soil cup	4°C	NA	NA	NA	180 days
Mercury SW846 7471	2 oz glass or soil cup	4°C	NA	NA	NA	28 days
Chromium Hexavalent SM3500-Cr	2 oz glass or soil cup	4°C	NA	NA	NA	24 hours
ORGANICS						
Any combinations of GRO, VOC, PVOC	1- tared VOC vial with 10 mls methanol, 13 grams of soil collected with syringe	4°C, 1:1 with methanol	Immediately	4 days	21 days	21 days
DRO, Modified	1- tared VOC vial, 13 grams of soil collected with syringe jar	4°C, Hexane	10 days	4 days	47 days	47 days
PAH, SW846 8270C	2 oz glass untared	4°C	NA	NA	14 days	40 days
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://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search* (Chicago as climatic zone) Basis: ca

= cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%.

------> If web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in RSL Users Guide), Not-to-Exceed D-C RCL defaults to 100,000 ppm.

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 872.*

Site Name:

Sample ID:

Contaminant	CAS Number	Ind. RCL (mg/kg)	Ing. RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	ca/nc/Csat	INPUT Site Data (mg/kg)	Exceedance Flag (Ceiling or Not-To-Exceed)	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trichloroethylene	79-01-6	6.05	0.64	0.64	ca				
Tetrachloroethylene	127-18-4	115	30.7	30.7	ca				
Vinyl Chloride	75-01-4	93.3	0.07	0.07	ca				
Dichloroethylene, 1,1-	75-35-4	342	-	342	nc				
Dichloroethylene, 1,2-trans-	156-60-5	211	-	211	nc				
Dichloroethylene, 1,2-cis-	156-59-2	156	-	156	nc				
Trichloroethane, 1,1,1-	71-55-6	12300	-	640	Csat				
Carbon Tetrachloride	56-23-5	137	0.65	0.65	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc				
Test1Chem(DRO)	Wis. DRO			100					
Test2Chem(GRO)	Wis. GRO			100					

Comparison / Hazard Index / Cumulative Cancer Risk:

Type BRRTS No. Here (If Known)	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	0.00E+00	0.0E+00

To Pass, data must meet all these criteria: Exceedance Count = 0 | HI ≤ 1.00E+00 | Cumulative CR ≤ 1e-05

Bottom-Line: Soil Data Entry Needed!

DRAFT

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

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF --> 2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag = Individual Exceedance	*Type BRRTS No. Here (If Known). Assess groundwater levels separately.*
Acetochlor	34256-82-1	-	7	5.58E-03				
Acetone	67-64-1	-	9000	1.85E+00				
Alachlor	15972-60-8	2	2	1.65E-03				
Aldicarb	116-06-3	3	10	2.49E-03				
Aluminum	7429-90-5	-	200	3.01E+02				
Antimony	7440-36-0	6	6	2.71E-01				
Anthracene	120-12-7	-	3000	9.84E+01				
Arsenic	7440-38-2	10	10	2.92E-01				
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03				
Barium	7440-39-3	2000	2000	8.24E+01				
Bentazon	25057-89-0	-	300	6.59E-02				
Benzene	71-43-2	5	5	2.56E-03				
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01				
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01				
Beryllium	7440-41-7	4	4	3.16E+00				
Boron	7440-42-8	-	1000	3.20E+00				
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04				
Bromoform (THM)	75-25-2	80	4.4	1.17E-03				
Bromomethane	74-83-9	-	10	2.53E-03				
Butylate	2008-41-5	-	400	3.88E-01				
Cadmium	7440-43-9	5	5	3.76E-01				
Carbaryl	63-25-2	-	40	3.64E-02				
Carbofuran	1563-66-2	40	40	1.56E-02				
Carbon disulfide	75-15-0	-	1000	2.97E-01				
Carbon tetrachloride	56-23-5	5	5	1.94E-03				
Chloramben	133-90-4	-	150	3.63E-02				
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00				
Chloroethane	75-00-3	-	400	1.13E-01				
Chloroform (THM)	67-66-3	80	6	1.67E-03				
Chlorpyrifos	2921-88-2	-	2	2.95E-02				
Chloromethane	74-87-3	-	30	7.76E-03				
Chromium (total)	7440-47-3	100	100	1.80E+05				Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02				
Cobalt	7440-48-4	-	40	1.81E+00				
Copper	7440-50-8	1300	1300	4.58E+01				
Cyanazine	21725-46-2	-	1	4.68E-04				
Cyanide, free	57-12-5	200	200	2.02E+00				
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02				
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05				
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02				
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05				
Dibutyl phthalate	84-74-2	-	1000	2.52E+00				
Dicamba	1918-00-9	-	300	7.76E-02				
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01				
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01				
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02				
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00				
1,1-Dichloroethane	75-34-3	-	850	2.42E-01				
1,2-Dichloroethane	107-06-2	5	5	1.42E-03				
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03				
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02				
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02				
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02				
1,2-Dichloropropane	78-87-5	5	5	1.66E-03				
1,3-Dichloropropene (cis/trans) (Telone)	542-75-6	-	0.4	1.43E-04				
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00				
Dimethoate	60-51-5	-	2	4.51E-04				
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05				
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05				
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05				
Dinoseb	88-85-7	7	7	6.15E-02				
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04				
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05				
Endrin	72-20-8	2	2	8.08E-02				
EPTC	759-94-4	-	250	1.32E-01				

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

DRAFT

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

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag Individual Exceedances
Ethylbenzene	100-41-4	700	700	7.85E-01				
Ethyl Ether (Diethyl Ether)	60-29-7	-	1000	2.24E-01				
Ethylene glycol	107-21-1	-	14000	2.82E+00				
Fluoranthene	206-44-0	-	400	4.44E+01				
Fluorene (PAH)	86-73-7	-	400	7.41E+00				
Fluoride	7782-41-4	4000	4000	6.01E+02				
Fluorotrichloromethane	75-69-4	-	3490	2.23E+00				
Formaldehyde	50-00-0	-	1000	2.02E-01				
Heptachlor	76-44-8	0.4	0.4	3.31E-02				
Heptachlor epoxide	1024-57-3	0.2	0.2	4.08E-03				
Hexachlorobenzene	118-74-1	1	1	1.26E-02				
n-Hexane	110-54-3	-	600	4.22E+00				
Lead	7439-92-1	15	15	1.35E+01				
Lindane	58-89-9	0.2	0.2	1.16E-03				
Manganese	7439-96-5	-	300	1.96E+01				
Mercury	7439-97-6	2	2	1.04E-01				
Methanol	67-56-1	-	5000	1.01E+00				
Methoxychlor	72-43-5	40	40	2.16E+00				
Methylene chloride	75-09-2	5	5	1.28E-03				
Methyl ethyl ketone (MEK)	78-93-3	-	4000	8.39E-01				
Methyl isobutyl ketone (MIBK)	108-10-1	-	500	1.13E-01				
Methyl tert-butyl ether (MTBE)	1634-04-4	-	60	1.35E-02				
Metolachlor/s-Metolachlor	51218-45-2	-	100	1.17E-01				
Metribuzin	21087-64-9	-	70	2.14E-02				
Molybdenum	7439-98-7	-	40	8.08E-01				
Monochlorobenzene	108-90-7	100	100	6.79E-02				
Naphthalene	91-20-3	-	100	3.29E-01				
Nickel	7440-02-0	-	100	6.50E+00				
N-Nitrosodiphenylamine (NDPA)	86-30-6	-	7	3.82E-02				
Pentachlorophenol (PCP)	87-86-5	1	1	1.01E-02				
Phenol	108-95-2	-	2000	1.15E+00				
Picloram	1918-02-1	500	500	1.39E-01				
Polychlorinated biphenyls (PCBs)	1336-36-3	0.5	0.03	4.69E-03				
Prometon	1610-18-0	-	100	4.75E-02				
Propazine	139-40-2	-	10	8.86E-03				
Pyrene (PAH)	129-00-0	-	250	2.72E+01				
Pyridine	110-86-1	-	10	3.44E-03				
Selenium	7782-49-2	50	50	2.60E-01				
Silver	7440-22-4	-	50	4.25E-01				
Simazine	122-34-9	4	4	1.97E-03				
Styrene	100-42-5	100	100	1.10E-01				
Tertiary Butyl Alcohol (TBA)	75-65-0	-	12	2.45E-03				
1,1,1,2-Tetrachloroethane	630-20-6	-	70	2.67E-02				
1,1,2,2-Tetrachloroethane	79-34-5	-	0.2	7.80E-05				
Tetrachloroethylene (PCE)	127-18-4	5	5	2.27E-03				
Tetrahydrofuran	109-99-9	-	50	1.11E-02				
Thallium	7440-28-0	2	2	1.42E-01				
Toluene	108-88-3	1000	800	5.54E-01				
Toxaphene	8001-35-2	3	3	4.64E-01				
1,2,4-Trichlorobenzene	120-82-1	70	70	2.04E-01				
1,1,1-Trichloroethane	71-55-6	200	200	7.01E-02				
1,1,2-Trichloroethane	79-00-5	5	5	1.62E-03				
Trichloroethylene (TCE)	79-01-6	5	5	1.79E-03				
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	93-72-1	50	50	2.75E-02				
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02				
Trifluralin	1582-09-8	-	7.5	2.48E-01				
Trimethylbenzenes (1,2,4- and 1,3,5- combined)	95-63-6 / 108-67-8	-	480	6.90E-01				
Vanadium	7440-62-2							
Vinyl chloride	75-01-4	2	0.2	6.90E-05				
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00				

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

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

Site-specific

Resident Equation Inputs for Soil

Variable	Value
TR (target cancer risk) unitless	1.0E-6
ED_r (exposure duration - resident) year	30
ET_{rs} (exposure time - resident) hour	24
ED_c (exposure duration - child) year	6
ED_a (exposure duration - adult) year	24
BW_a (body weight - adult) kg	70
BW_c (body weight - child) kg	15
SA_a (skin surface area - adult) cm^2/day	5700
SA_c (skin surface area - child) cm^2/day	2800
THQ (target hazard quotient) unitless	1
LT (lifetime - resident) year	70
EF_r (exposure frequency) day/year	350
IRS_a (soil intake rate - adult) mg/day	100
IRS_c (soil intake rate - child) mg/day	200
AF_a (skin adherence factor - adult) mg/cm^2	0.07
AF_c (skin adherence factor - child) mg/cm^2	0.2
IFS_{adj} (age-adjusted soil ingestion factor) mg-year/kg-day	114
DFS_{adj} (age-adjusted soil dermal factor) mg-year/kg-day	361
$IFSM_{adj}$ (mutagenic age-adjusted soil ingestion factor) mg-year/kg-day	489.5
$DFSM_{adj}$ (mutagenic age-adjusted soil dermal factor) mg-year/kg-day	1445
ED_{0-2} (exposure duration first phase) year	2
ED_{2-6} (exposure duration second phase) year	4
ED_{6-16} (exposure duration third phase) year	10
ED_{16-30} (exposure duration fourth phase) year	14
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres) PEF Selection	0.5
Q/C_{wp} (g/m^2-s per kg/m^3) PEF Selection	98.43071
PEF (particulate emission factor) m^3/kg	1560521108
A (PEF Dispersion Constant)	16.8653

Site-specific

Resident Equation Inputs for Soil

Variable	Value
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_m/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres) VF Selection	0.5
Q/C_{wp} (g/m^2-s per kg/m^3) VF Selection	98.43071
foc (fraction organic carbon in soil) g/g	0.006
ρ$_b$ (dry soil bulk density) g/cm^3	1.5
ρ$_s$ (soil particle density) g/cm^3	2.65
θ$_w$ (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	9.5e8
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624

Site-specific

Resident Screening Levels (RSL) for Soil

(c = cancer; nc = noncancer; cat = (where nc SL ≥ 100 x ca SL))
sat (where nc SL ≥ 10 x ca SL) = max = SL exceeds ceiling limit (see User's Guide); csat = SL exceeds csat (see User's Guide)
Smax = Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
Ssat = Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF ($(mg/kg\text{-}day)^{-1}$)	SFO Ref	Inhalation Unit Risk ($(ug/m^3)^{-1}$)	IUR Ref	Chronic RfD (mg/kg-day)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1	-	1
Cadmium (Diet)	7440-43-9	No	No	-		1.80E-03	I	1.00E-03	I	1.00E-05	A	0.025	0.001	1
Carbon Tetrachloride	56-23-5	No	Yes	7.00E-02	I	6.00E-06	I	4.00E-03	I	1.00E-01	I	1	-	1
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I	1	-	1
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1	-	1
Dichloroethylene, 1,1-	75-35-4	No	Yes	-		-		5.00E-02	I	2.00E-01	I	1	-	1
Dichloroethylene, 1,2-cis-	156-59-2	No	Yes					2.00E-03	I	-		1	-	1
Dichloroethylene, 1,2-trans-	156-60-5	No	Yes	-		-		2.00E-02	I	6.00E-02	P	1	-	1
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1	-	1
Lead and Compounds	7439-92-1	No	No	-		-		-		-		1	-	1
Methyl-tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-		3.00E+00	I	1	-	1
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-		1	0.13	1
Anthracene	120-12-7	No	Yes					3.00E-01	I	-		1	0.13	1
Benz[a]anthracene	56-55-3	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Benzo(j)fluoranthene	205-82-3	No	No	7.30E+00	C	1.10E-04	C	-		-		1	0.13	1
Benzo[a]pyrene	50-32-8	Yes	No	7.30E+00	I	1.10E-03	C	-		-		1	0.13	1
Benzo[b]fluoranthene	205-99-2	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Benzo[k]fluoranthene	207-08-9	Yes	No	7.30E-02	W	1.10E-04	C	-		-		1	0.13	1
Chrysene	218-01-9	Yes	No	7.30E-03	W	1.10E-05	C	-		-		1	0.13	1
Dibenz[a,h]anthracene	53-70-3	Yes	No	7.30E+00	W	1.20E-03	C	-		-		1	0.13	1
Dibenzo(a,e)pyrene	192-65-4	No	No	7.30E+01	C	1.10E-03	C	-		-		1	0.13	1
Dimethylbenz(a)anthracene, 7,12-	57-97-6	Yes	No	2.50E+02	C	7.10E-02	C	-		-		1	0.13	1
Fluoranthene	206-44-0	No	No					4.00E-02	I	-		1	0.13	1
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-		1	0.13	1
Indeno(1,2,3-cd)pyrene	193-39-5	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-		7.00E-02	A	-		1	0.13	1
Methylnaphthalene, 2-	91-57-6	No	Yes					4.00E-03	I			1	0.13	1
Naphthalene	91-20-3	No	Yes	-		3.40E-05	C	2.00E-02	I	3.00E-03	I	1	0.13	1

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer; nc=Noncancer; cat=(Where nc SL < 100 x ca SL); cat=(Where nc SL < 10 x ca SL); max=SL exceeds ceiling limit (see User's Guide); sat=SL exceeds csat; Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide); Ssat=Soil Inhalation SL exceeds csat and has been substituted with the csat

Chemical	Volatilization Factor, (m³/kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor, (m³/kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Benzene	5.49E+03	1.82E+03	1.56E+09	1.16E+01	-	1.71E+00	1.49E+00	3.13E+02	-	1.72E+02
Cadmium (Diet)	-	-	1.56E+09	-	-	2.11E+03	2.11E+03	7.82E+01	6.98E+02	1.63E+04
Carbon tetrachloride	2.52E+03	4.58E+02	1.56E+09	9.15E+00	-	9.42E-01	8.54E-01	3.13E+02	-	2.42E+02
Dibromoethane, 1,2-	1.34E+04	1.34E+03	1.56E+09	3.20E-01	-	5.45E-02	4.65E-02	7.04E+02	-	1.26E+02
Dichloroethane, 1,2-	7.16E+03	2.98E+03	1.56E+09	7.04E+00	-	6.65E-01	6.08E-01	4.69E+02	-	5.19E+01
Dichloroethylene, 1,1-	1.80E+03	1.19E+03	1.56E+09	-	-	-	-	3.91E+03	-	3.75E+02
Dichloroethylene, 1,2-cis	3.88E+03	2.37E+03	1.56E+09	-	-	-	-	1.56E+02	-	-
Dichloroethylene, 1,2-trans-	3.90E+03	1.67E+03	1.56E+09	-	-	-	-	1.56E+03	-	2.44E+02
Ethylbenzene	8.81E+03	4.80E+02	1.56E+09	5.82E+01	-	8.57E+00	7.47E+00	7.82E+03	-	9.18E+03
Lead and Compounds	-	-	1.56E+09	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	7.62E+03	8.87E+03	1.56E+09	3.56E+02	-	7.13E+01	5.94E+01	-	-	2.38E+04
Acenaphthene	2.19E+05	-	1.56E+09	-	-	-	-	4.69E+03	1.29E+04	-
Anthracene	8.13E+05	-	1.56E+09	-	-	-	-	2.35E+04	6.45E+04	-
Benz[a]anthracene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[b]fluoranthene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[a]pyrene	-	-	1.56E+09	2.04E-02	5.32E-02	1.36E+03	1.48E-02	-	-	-
Benzo[g,h,i]perylene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Benzo[k]fluoranthene	-	-	1.56E+09	2.04E+00	5.32E+00	1.36E+04	1.48E+00	-	-	-
Chrysene	-	-	1.56E+09	2.04E+01	5.32E+01	1.36E+05	1.48E+01	-	-	-
Dibenz[a,h]anthracene	-	-	1.56E+09	2.04E-02	5.32E-02	1.25E+03	1.48E-02	-	-	-
Dibenzofuran	1.56E+05	-	1.56E+09	5.34E-02	1.30E-01	3.45E+03	3.78E-02	-	-	-
Dimethylbenz(a)anthracene, 7,12-	-	-	1.56E+09	5.97E-04	1.55E-03	2.11E+01	4.31E-04	-	-	-
Fluoranthene	4.37E+05	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Indeno[1,2,3-cd]pyrene	-	-	1.56E+09	2.04E-01	5.32E-01	1.36E+04	1.48E-01	-	-	-
Methylnaphthalene, 1-	9.11E+04	-	1.56E+09	2.21E+01	5.36E+01	-	1.56E+01	5.48E+03	1.50E+04	-
Methylnaphthalene, 2-	9.01E+04	-	1.56E+09	-	-	-	-	3.13E+02	8.59E+02	-
Naphthalene	7.20E+04	-	1.56E+09	-	-	5.15E+00	5.15E+00	1.56E+03	4.30E+03	2.25E+02

Site-specific

Residents Screening Levels (RSL) for Soil

ca=Cancer; nc=Noncancer; cal (Where nc SL < 100 x ca SL)

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

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

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

Chemical	Noncarcinogenic SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Benzene	1.11E+02	2.92E+03	-	1.72E+02	1.62E+02	1.49E+00 ca
Cadmium (Diet)	7.00E+01	7.30E+02	4.57E+03	1.63E+04	6.06E+02	7.00E+01 nc
Carbon Tetrachloride	1.37E+02	2.92E+03	-	2.12E+02	2.24E+02	8.54E-01 ca
Dibromoethane, 1,2-	1.07E+02	6.57E+03	-	1.26E+02	1.24E+02	4.65E-02 ca
Dichloroethane, 1,2-	4.67E+01	4.38E+03	-	5.19E+01	5.13E+01	6.08E-01 ca
Dichloroethylene, 1,1-	3.42E+02	3.65E+04	-	3.75E+02	3.71E+02	3.42E+02 nc
Dichloroethylene, 1,2-cis-	1.56E+02	1.46E+03	-	-	1.46E+03	1.56E+02 nc
Dichloroethylene, 1,2-trans-	2.11E+02	1.46E+04	-	2.44E+02	2.40E+02	2.11E+02 nc
Ethylbenzene	4.22E+03	7.30E+04	-	9.18E+03	8.16E+03	7.47E+00 ca
Lead and Compounds	-	-	-	-	-	4.00E+02 nc
Methyl-tert-Butyl Ether (MTBE)	1.38E+04	-	-	2.38E+04	2.38E+04	5.94E+01 ca
Acenaphthene	3.44E+03	4.38E+04	8.44E+04	-	2.88E+04	3.44E+03 nc
Anthracene	1.72E+04	2.19E+05	4.22E+05	-	1.44E+05	1.72E+04 nc
Benz[a]anthracene	-	-	-	-	-	1.48E+01 ca
Benzo(b)fluoranthene	-	-	-	-	-	5.48E+01 ca
Benzo[a]pyrene	-	-	-	-	-	1.48E+00 ca
Benzo(j,k)fluoranthene	-	-	-	-	-	1.48E+01 ca
Benzo[k]fluoranthene	-	-	-	-	-	1.48E+00 ca
Chrysene	-	-	-	-	-	1.48E+01 ca
Dibenz[a,h]anthracene	-	-	-	-	-	1.48E-02 ca
Dibenzo(a,e)pyrene	-	-	-	-	-	5.48E-02 ca
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	1.31E-04 ca
Fluoranthene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03 nc
Fluorene	2.29E+03	2.92E+04	5.63E+04	-	1.92E+04	2.29E+03 nc
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	1.48E-01 ca
Methylnaphthalene, 1-	4.01E+03	5.11E+04	9.85E+04	-	3.36E+04	4.01E+03 nc
Methylnaphthalene, 2-	2.29E+02	2.92E+03	5.63E+03	-	1.92E+03	2.29E+02 nc
Naphthalene	1.88E+02	1.46E+04	2.81E+04	2.25E+02	2.20E+02	5.61E+00 ca

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Site-specific

Resident Screening Levels (RSL) for Soil

ca=cancer; nc=Non-cancer; Cal (Where nc SL < 100 x ca SL);
ca=ca; nc=nc; SL=SL exceeds ceiling limit (see User's Guide); sat=SL exceeds csat;
Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide);
Ssat=Soil Inhalation SL exceeds csat and has been substituted with the csat.

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF ($(mg/kg\text{-}day)^{-1}$)	SFO Ref	Inhalation Unit Risk ($(ug/m^3)^{-1}$)	IUR Ref	Chronic RfD (mg/kg-day)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
Nitrobenzene, 4-	5-835-92-4	No	No	1.20E+00	C	1.10E-04	C	-		-		1	0.13	1
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1	0.13	1
Tetrachloroethylene	127-18-4	No	Yes	2.10E-03	I	2.60E-07	S	6.00E-03	I	4.00E-02	I	1	-	1
Toluene	108-88-3	No	Yes	-		-		8.00E-02	I	5.00E+00	I	1	-	1
Trichlorofluoromethane (Freon 11)	7-155-6	No	Yes					2.00E+00	I	5.00E+00	I	1	-	1
Trichloroethylene	79-01-6	Yes	Yes	4.60E-02	I	4.10E-06	I	5.00E-04	I	2.00E-03	I	1	-	1
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes							7.00E-03	P	1	-	1
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-		-		1.00E-02	X	-		1	-	1
Vinyl Chloride	75-01-4	Yes	Yes	7.20E-01	I	4.40E-06	I	3.00E-03	I	1.00E-01	I	1	-	1
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	I	1.00E-01	I	1	-	1

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
ca* (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Volatilization Factor (m^3/kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m^3/kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Nitropyrene, 4-	-	-	1.56E+09	5.34E-01	1.30E+00	3.45E+04	3.78E-01	-	-	-
Pyrene	3.70E+06	-	1.56E+09	-	-	-	-	2.35E+03	6.45E+03	-
Tetrachloroethylene	3.05E+03	1.66E+02	1.56E+09	3.05E-02	-	3.41E+01	3.07E+01	4.69E+02	-	1.52E+02
Toluene	6.66E+03	8.18E+02	1.56E+09	-	-	-	-	6.26E+03	-	3.47E+04
Trichloroethane, 1,1,2-	2.56E+03	6.40E+02	1.56E+09	-	-	-	-	1.56E+05	-	1.34E+04
Trichloroethylene	3.43E+03	6.92E+02	1.56E+09	3.24E+00	-	8.04E-01	6.44E-01	3.91E+01	-	7.16E+00
Trimethylbenzene, 1,2,4-	1.23E+04	2.19E+02	1.56E+09	-	-	-	-	-	-	8.98E+01
Trimethylbenzene, 1,3,5-	1.03E+04	1.82E+02	1.56E+09	-	-	-	-	7.82E+02	-	-
Vinyl chloride	1.49E+03	3.92E+03	1.56E+09	9.32E-02	-	2.39E-01	6.71E-02	2.35E+02	-	1.55E+02
Xylenes	9.05E+03	2.58E+02	1.56E+09	-	-	-	-	1.56E+04	-	9.44E+02

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, cal (where ncSL < 100 x caSL)
car (where ncSL > 100 x caSL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat
Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide)
Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Noncarcinogenic SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Nitropyrene, 4-	-	-	-	-	-	8.78E-01 nc
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04	1.72E+03 nc
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.47E+02	5.07E-01 ca
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04	5.30E+03 sat
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04	1.25E+04 sat
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00	6.44E-01 ca
Trimethylbenzene, 1,2,4-	8.98E+01	-	-	8.98E+01	8.98E+01	8.98E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03	7.82E+02 sat
Vinyl Chloride	9.33E+01	2.19E+03	-	1.55E+02	1.45E+02	6.71E-02 ca
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02	8.90E+02 sat

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

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; cr. (1m), am. (7), (17) and (18), Register, October, 1988, No. 394, eff. 11–1–88; am. (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4–1–94; cr. (1s), (10e), (10s), (20k), r. and 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 02–134: cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7–1–03.

Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

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

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

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

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

[5] Dinitrotoluene, Total Residues includes the dinitrotoluene (DNT) isomers: 2,3–DNT, 2,4–DNT, 2,5–DNT, 2,6–DNT, 3,4–DNT and 3,5–DNT.

[6] Xylene includes meta–, ortho–, and para–xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am. table 1, Register, October, 1988, No. 394, eff. 11–1–88; am. table 1, Register, September, 1990, No. 417, eff. 10–1–90; am. Register, January, 1992, No. 433, eff. 2–1–92; am. Table 1, Register, March, 1994, No. 459, eff. 4–1–94; am. Table 1, Register, August, 1995, No. 476, eff. 9–1–95; am. Table 1, Register, December, 1998, No. 516, eff. 1–1–99; am. Table 1, boron, Register, December, 1998, No. 516, eff. 12–31–99; am. Table 1, Register, March, 2000, No. 531, eff. 4–1–00; CR 03–063: am Table 1, Register February 2004 No. 578, eff. 3–1–04; CR 02–095: am. Table 1, Register November 2006 No. 611, eff. 12–1–06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07–034: am. Table 1 Register January 2008 No. 625, eff. 2–1–08; CR 09–102: am. Table 1 Register December 2010 No. 660, eff. 1–1–11.

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

Table 2
Public Welfare Groundwater Quality Standards

Substance	Enforcement Standard (milligrams per liter – except as noted)	Preventive Action Limit (milligrams per liter – except as noted)
Chloride	250	125
Color	15 color units	7.5 color units
Foaming agents MBAS (Methylene–Blue Active Substances)	0.5	0.25
Iron	0.3	0.15
Manganese	0.05	0.025
Odor	3 (Threshold Odor No.)	1.5 (Threshold Odor No.)
Sulfate	250	125
Zinc	5	2.5

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am. table 2, Register, October, 1990, No. 418, eff. 11–1–90; am. Table 2, Register, March, 1994, No. 459, eff. 4–1–94.

NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:

(a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropriate regulatory agency that a standard has been attained or exceeded; and

(b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level of 0.05.

(2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests.

(3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:

(a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.

(b) If the preventive action limit or enforcement standard is less than the limit of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:

1. The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and

2. The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.

(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or

Kipp's Auto & Towing Service
Slug Test Calculations

MW-1

	ft/s	cm/s	m/yr
K	2.52E-05	7.68E-04	242.23
	sq ft/s	**sq cm/s**	
T	2.42E-04	2.25E-01	

MW-2

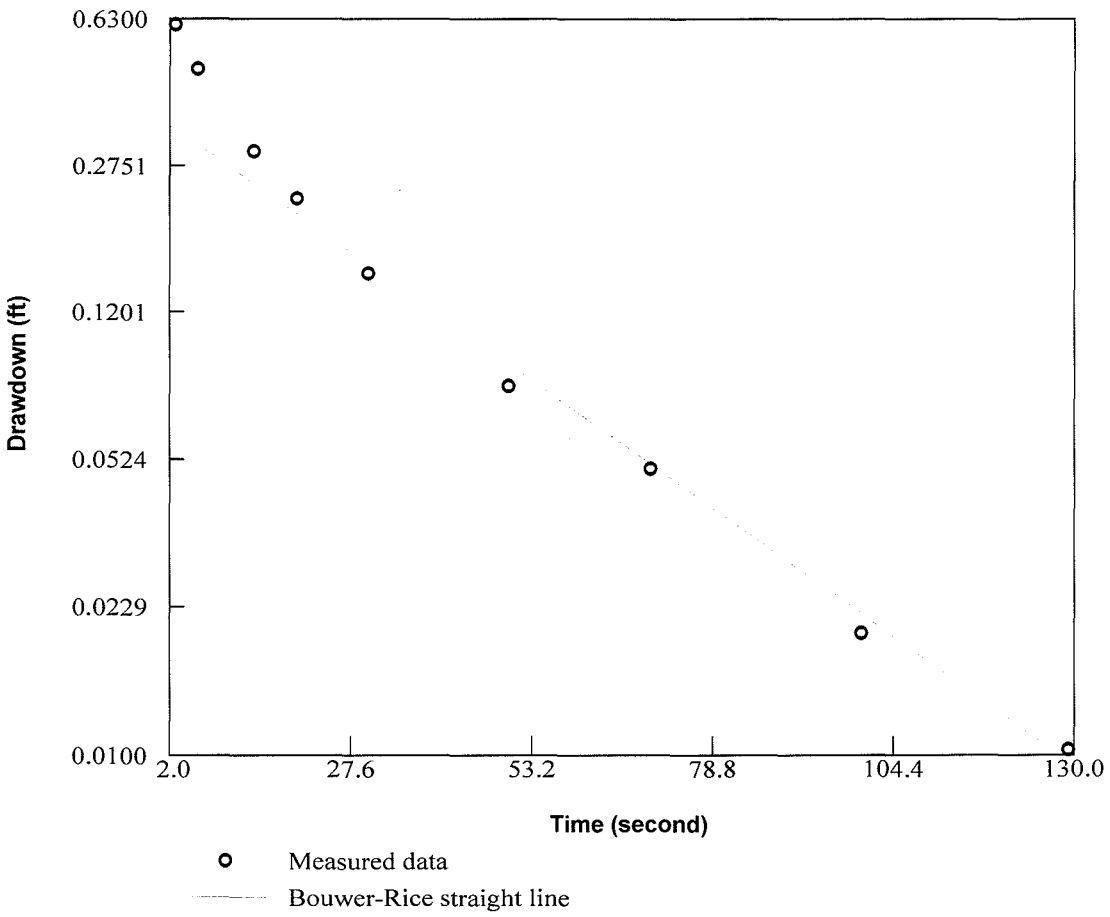
	ft/s	cm/s	m/yr
K	1.88E-05	5.73E-04	180.71
	sq ft/s	**sq cm/s**	
T	1.18E-04	1.10E-01	

MW-6

	ft/s	cm/s	m/yr
K	4.07E-06	1.24E-04	39.12
	sq ft/s	**sq cm/s**	
T	4.64E-05	4.31E-02	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
9/23/2014	656.00	653.00	89	0.0337079
12/17/2014	656.00	653.00	119	0.0252101
Average				0.0294590

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	242.23	0.0294590	0.3	23.78618
MW-2	180.71	0.0294590	0.3	17.74512
MW-6	39.12	0.0294590	0.3	3.84145



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	2.52e-005
Transmissivity (sq ft/s):	2.42e-004

Kipp's Auto and Towing Service MW-1 Slug In

Kipp's Auto & Towing Service
MW-1 Slug In

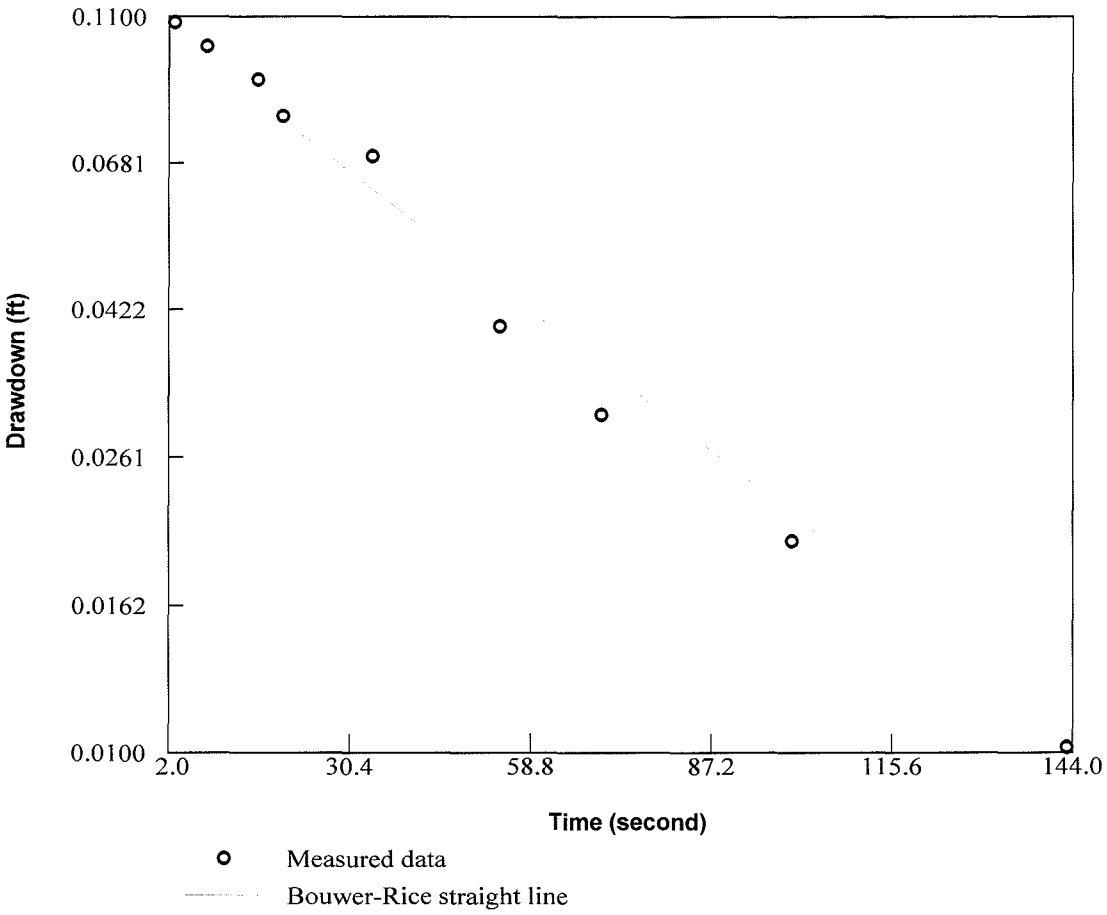
LEVEL[ft]	TEMPERATURE[°C]	Time (seconds)	Drawdown
44.98	15.2	0	0.73
44.88	15.2	2	0.63
44.8	15.2	4	0.55
44.73	15.2	6	0.48
44.68	15.2	8	0.42
44.63	15.19	10	0.38
44.59	15.19	12	0.34
44.55	15.19	14	0.3
44.52	15.18	16	0.27
44.5	15.18	18	0.25
44.48	15.18	20	0.23
44.45	15.18	22	0.2
44.44	15.18	24	0.19
44.42	15.17	26	0.17
44.41	15.16	28	0.16
44.4	15.16	30	0.15
44.39	15.16	32	0.14
44.38	15.16	34	0.13
44.37	15.16	36	0.12
44.36	15.15	38	0.11
44.35	15.15	40	0.1
44.35	15.15	42	0.09
44.35	15.14	44	0.09
44.35	15.14	46	0.09
44.34	15.14	48	0.09
44.33	15.14	50	0.08
44.32	15.14	52	0.07
44.32	15.14	54	0.07
44.31	15.14	56	0.06
44.31	15.14	58	0.06
44.31	15.13	60	0.06
44.3	15.13	62	0.05
44.3	15.13	64	0.05
44.3	15.12	66	0.05
44.3	15.12	68	0.05
44.3	15.12	70	0.05
44.29	15.12	72	0.04
44.29	15.12	74	0.04
44.29	15.12	76	0.04
44.29	15.12	78	0.04
44.29	15.11	80	0.04
44.29	15.11	82	0.04
44.28	15.11	84	0.03
44.28	15.1	86	0.03
44.28	15.1	88	0.03
44.27	15.1	90	0.02
44.28	15.1	92	0.03

Kipp's Auto & Towing Service
MW-1 Slug In

44.28	15.1	94	0.03
44.28	15.1	96	0.02
44.28	15.1	98	0.02
44.28	15.1	100	0.02
44.27	15.1	102	0.02
44.27	15.09	104	0.02
44.27	15.09	106	0.02
44.27	15.1	108	0.02
44.27	15.09	110	0.02
44.27	15.09	112	0.02
44.27	15.09	114	0.02
44.27	15.09	116	0.02
44.27	15.09	118	0.02
44.27	15.08	120	0.02
44.26	15.08	122	0.01
44.26	15.08	124	0.01
44.26	15.08	126	0.01
44.27	15.08	128	0.02
44.26	15.08	130	0.01
44.26	15.08	132	0.01
44.26	15.08	134	0.01
44.26	15.08	136	0.01
44.26	15.08	138	0.01
44.26	15.08	140	0.01
44.26	15.08	142	0.01
44.26	15.08	144	0.01
44.25	15.07	146	0
44.25	15.07	148	0
44.25	15.07	150	0
44.25	15.07	152	0
44.26	15.07	154	0.01
44.25	15.07	156	0
44.26	15.06	158	0.01
44.26	15.06	160	0.01
44.26	15.06	162	0.01
44.26	15.06	164	0.01
44.26	15.06	166	0.01
44.26	15.06	168	0.01
44.26	15.06	170	0.01
44.26	15.06	172	0.01
44.26	15.06	174	0.01
44.26	15.06	176	0.01
44.26	15.06	178	0.01
44.25	15.06	180	0
44.26	15.06	182	0.01
44.26	15.06	184	0.01
44.26	15.06	186	0.01
44.26	15.06	188	0.01

Kipp's Auto & Towing Service
MW-1 Slug In

44.26	15.05	190	0.01
44.26	15.05	192	0.01
44.25	15.05	194	0
44.26	15.05	196	0.01
44.25	15.05	198	0



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	1.88e-005
Transmissivity (sq ft/s):	1.18e-004

Kipp's Auto and Towing Service MW-2 Slug In

Kipp's Auto & Towing Service
MW-2 Slug In

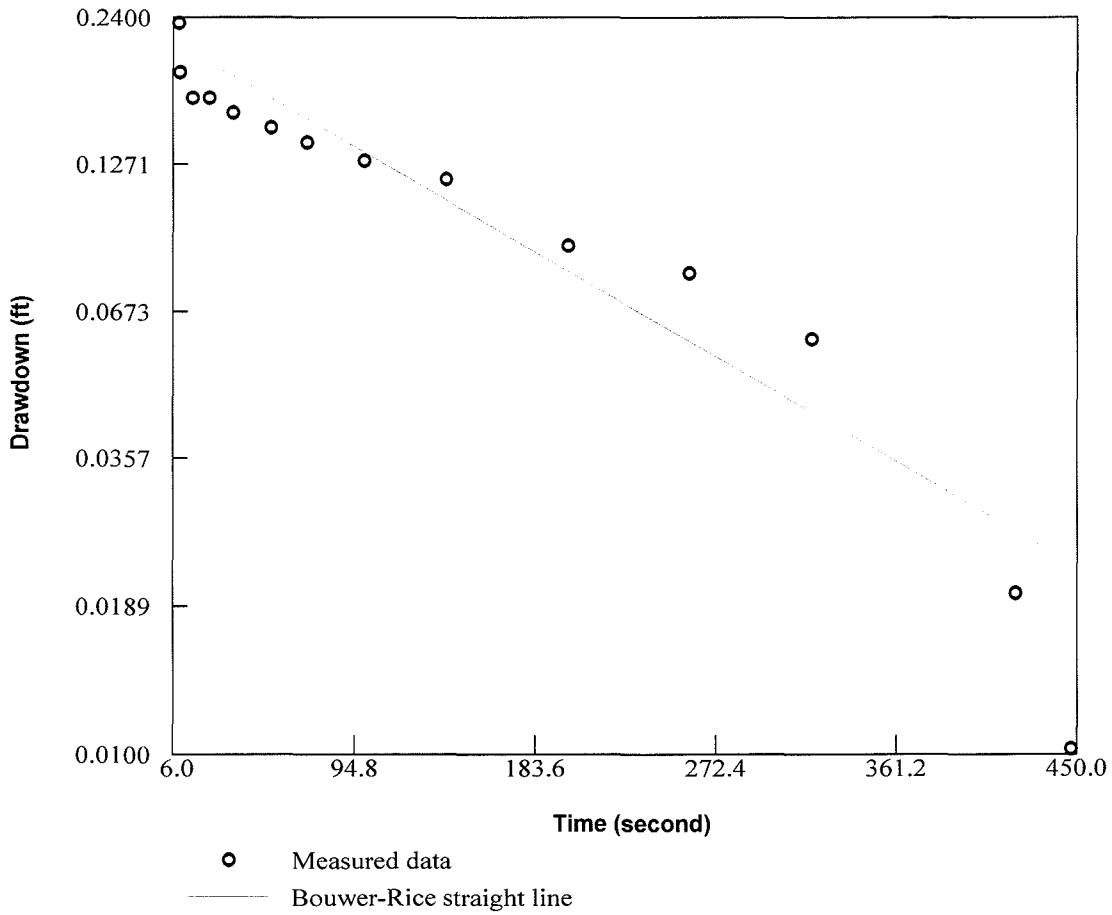
LEVEL[ft]	TEMPERATURE[°C]	Time (seconds)	Drawdown
41.3	12.24	0	0.12
41.29	12.24	2	0.11
41.29	12.24	4	0.11
41.29	12.24	6	0.11
41.28	12.24	8	0.1
41.28	12.24	10	0.1
41.28	12.24	12	0.1
41.28	12.24	14	0.1
41.27	12.24	16	0.09
41.26	12.23	18	0.08
41.26	12.23	20	0.08
41.26	12.22	22	0.08
41.26	12.22	24	0.08
41.26	12.22	26	0.08
41.26	12.22	28	0.08
41.26	12.22	30	0.08
41.26	12.22	32	0.08
41.25	12.21	34	0.07
41.25	12.21	36	0.07
41.25	12.21	38	0.07
41.24	12.2	40	0.06
41.24	12.2	42	0.06
41.24	12.2	44	0.06
41.24	12.2	46	0.06
41.23	12.2	48	0.05
41.23	12.2	50	0.05
41.23	12.2	52	0.05
41.22	12.19	54	0.04
41.23	12.19	56	0.05
41.22	12.19	58	0.04
41.22	12.18	60	0.04
41.22	12.18	62	0.04
41.22	12.18	64	0.04
41.22	12.18	66	0.04
41.21	12.18	68	0.03
41.21	12.18	70	0.03
41.21	12.18	72	0.03
41.21	12.18	74	0.03
41.21	12.18	76	0.03
41.21	12.18	78	0.03
41.21	12.18	80	0.03
41.22	12.17	82	0.04
41.22	12.17	84	0.04
41.22	12.17	86	0.04
41.21	12.17	88	0.03
41.21	12.16	90	0.03
41.21	12.16	92	0.02

Kipp's Auto & Towing Service
MW-2 Slug In

41.21	12.16	94	0.02
41.21	12.16	96	0.02
41.21	12.16	98	0.02
41.21	12.16	100	0.02
41.21	12.16	102	0.02
41.21	12.16	104	0.02
41.21	12.16	106	0.02
41.21	12.16	108	0.02
41.21	12.16	110	0.02
41.21	12.15	112	0.03
41.2	12.15	114	0.02
41.21	12.15	116	0.03
41.21	12.15	118	0.03
41.2	12.15	120	0.02
41.2	12.15	122	0.02
41.21	12.14	124	0.02
41.2	12.14	126	0.02
41.2	12.14	128	0.02
41.2	12.14	130	0.02
41.2	12.14	132	0.02
41.2	12.14	134	0.02
41.2	12.14	136	0.02
41.2	12.14	138	0.02
41.2	12.14	140	0.02
41.2	12.14	142	0.02
41.19	12.13	144	0.01
41.2	12.13	146	0.02
41.19	12.13	148	0.01
41.19	12.13	150	0.01
41.19	12.13	152	0.01
41.2	12.13	154	0.02
41.2	12.13	156	0.02
41.19	12.13	158	0.01
41.19	12.13	160	0.01
41.19	12.13	162	0.01
41.19	12.12	164	0.01
41.19	12.12	166	0.01
41.19	12.12	168	0.01
41.19	12.12	170	0.01
41.19	12.12	172	0.01
41.19	12.12	174	0.01
41.19	12.12	176	0.01
41.19	12.12	178	0.01
41.19	12.12	180	0.01
41.19	12.12	182	0.01
41.19	12.12	184	0.01
41.19	12.12	186	0.01
41.19	12.12	188	0.01

Kipp's Auto & Towing Service
MW-2 Slug In

41.19	12.12	190	0.01
41.19	12.12	192	0.01
41.19	12.12	194	0.01
41.19	12.12	196	0.01
41.19	12.12	198	0.01
41.19	12.12	200	0.01
41.19	12.12	202	0.01
41.18	12.12	204	0
41.18	12.12	206	0
41.19	12.11	208	0.01
41.19	12.11	210	0.01
41.18	12.11	212	0
41.18	12.11	214	0
41.18	12.11	216	0
41.18	12.1	218	0
41.18	12.1	220	0
41.18	12.1	222	0
41.18	12.1	224	0
41.18	12.1	226	0
41.18	12.1	228	0
41.18	12.1	230	0
41.18	12.1	232	0
41.18	12.1	234	0
41.18	12.1	236	0
41.18	12.1	238	0
41.18	12.1	240	0
41.18	12.1	242	0



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	4.07e-006
Transmissivity (sq ft/s):	4.64e-005

Kipp's Auto and Towing Service MW-6 Slug In

Kipp's Auto & Towing Service
MW-6 Slug In

LEVEL[ft]	TEMPERATURE[°C]	Time (seconds)	Drawdown
45.91	16.15	0	0.2
45.9	16.16	2	0.19
45.72	16.16	4	0.01
45.96	16.16	6	0.24
45.88	16.16	8	0.17
45.9	16.16	10	0.19
45.89	16.16	12	0.18
45.89	16.16	14	0.18
45.88	16.16	16	0.17
45.88	16.16	18	0.17
45.88	16.16	20	0.17
45.88	16.16	22	0.17
45.88	16.16	24	0.17
45.88	16.16	26	0.17
45.88	16.16	28	0.17
45.88	16.16	30	0.17
45.88	16.16	32	0.17
45.88	16.16	34	0.17
45.87	16.16	36	0.16
45.88	16.16	38	0.17
45.87	16.15	40	0.16
45.87	16.15	42	0.16
45.87	16.15	44	0.16
45.88	16.15	46	0.17
45.87	16.15	48	0.16
45.87	16.15	50	0.16
45.87	16.15	52	0.16
45.86	16.15	54	0.15
45.86	16.15	56	0.15
45.86	16.15	58	0.15
45.86	16.15	60	0.15
45.85	16.15	62	0.14
45.86	16.15	64	0.15
45.86	16.15	66	0.15
45.86	16.15	68	0.15
45.86	16.15	70	0.15
45.85	16.15	72	0.14
45.85	16.15	74	0.14
45.85	16.15	76	0.14
45.85	16.15	78	0.14
45.84	16.15	80	0.13
45.84	16.15	82	0.13
45.84	16.15	84	0.13
45.84	16.15	86	0.13
45.84	16.15	88	0.13
45.84	16.15	90	0.13
45.84	16.15	92	0.13

Kipp's Auto & Towing Service
MW-6 Slug In

45.84	16.15	94	0.13
45.84	16.15	96	0.13
45.84	16.15	98	0.13
45.84	16.15	100	0.13
45.84	16.15	102	0.13
45.84	16.15	104	0.13
45.84	16.15	106	0.13
45.84	16.15	108	0.13
45.84	16.15	110	0.13
45.84	16.15	112	0.13
45.84	16.15	114	0.13
45.84	16.15	116	0.13
45.84	16.15	118	0.13
45.83	16.15	120	0.12
45.83	16.15	122	0.12
45.83	16.15	124	0.12
45.83	16.15	126	0.12
45.83	16.15	128	0.12
45.82	16.15	130	0.11
45.82	16.15	132	0.11
45.82	16.15	134	0.11
45.82	16.15	136	0.11
45.82	16.15	138	0.11
45.83	16.16	140	0.12
45.82	16.15	142	0.11
45.82	16.16	144	0.11
45.82	16.16	146	0.11
45.82	16.16	148	0.11
45.82	16.16	150	0.11
45.82	16.16	152	0.11
45.82	16.15	154	0.11
45.82	16.15	156	0.1
45.82	16.15	158	0.1
45.82	16.15	160	0.1
45.82	16.15	162	0.11
45.82	16.15	164	0.1
45.82	16.15	166	0.1
45.82	16.15	168	0.1
45.81	16.15	170	0.1
45.81	16.15	172	0.1
45.81	16.15	174	0.1
45.81	16.15	176	0.1
45.82	16.15	178	0.1
45.81	16.15	180	0.1
45.81	16.15	182	0.1
45.81	16.15	184	0.1
45.8	16.15	186	0.09
45.81	16.15	188	0.1

Kipp's Auto & Towing Service
MW-6 Slug In

45.81	16.15	190	0.1
45.81	16.15	192	0.1
45.8	16.15	194	0.09
45.8	16.15	196	0.09
45.8	16.15	198	0.09
45.8	16.15	200	0.09
45.79	16.15	202	0.08
45.79	16.15	204	0.08
45.79	16.15	206	0.08
45.8	16.15	208	0.09
45.8	16.15	210	0.09
45.79	16.15	212	0.08
45.79	16.15	214	0.08
45.79	16.15	216	0.08
45.79	16.15	218	0.08
45.79	16.15	220	0.08
45.79	16.15	222	0.08
45.79	16.15	224	0.08
45.79	16.15	226	0.08
45.79	16.15	228	0.08
45.79	16.15	230	0.08
45.79	16.15	232	0.08
45.79	16.15	234	0.08
45.79	16.15	236	0.08
45.79	16.15	238	0.08
45.79	16.15	240	0.08
45.79	16.15	242	0.08
45.79	16.15	244	0.08
45.79	16.15	246	0.08
45.79	16.15	248	0.08
45.79	16.15	250	0.08
45.79	16.15	252	0.08
45.79	16.15	254	0.08
45.79	16.15	256	0.08
45.79	16.15	258	0.08
45.79	16.15	260	0.08
45.79	16.15	262	0.08
45.79	16.15	264	0.08
45.79	16.15	266	0.08
45.78	16.16	268	0.07
45.78	16.16	270	0.07
45.78	16.15	272	0.07
45.78	16.15	274	0.07
45.78	16.15	276	0.07
45.77	16.15	278	0.06
45.77	16.15	280	0.06
45.77	16.15	282	0.06
45.77	16.15	284	0.06

Kipp's Auto & Towing Service
MW-6 Slug In

45.77	16.15	286	0.06
45.78	16.15	288	0.07
45.77	16.15	290	0.06
45.78	16.15	292	0.07
45.77	16.15	294	0.06
45.77	16.15	296	0.06
45.77	16.15	298	0.06
45.77	16.15	300	0.06
45.77	16.15	302	0.06
45.77	16.15	304	0.06
45.76	16.15	306	0.05
45.77	16.15	308	0.06
45.76	16.15	310	0.05
45.77	16.15	312	0.06
45.77	16.15	314	0.06
45.76	16.15	316	0.05
45.77	16.15	318	0.06
45.77	16.15	320	0.06
45.77	16.15	322	0.06
45.76	16.15	324	0.05
45.76	16.16	326	0.05
45.76	16.16	328	0.05
45.76	16.16	330	0.05
45.76	16.15	332	0.05
45.76	16.15	334	0.05
45.76	16.15	336	0.05
45.76	16.15	338	0.05
45.76	16.15	340	0.05
45.76	16.15	342	0.05
45.76	16.16	344	0.05
45.76	16.16	346	0.05
45.76	16.16	348	0.05
45.76	16.16	350	0.05
45.76	16.16	352	0.05
45.76	16.16	354	0.05
45.76	16.16	356	0.05
45.76	16.16	358	0.05
45.76	16.16	360	0.05
45.75	16.15	362	0.04
45.76	16.15	364	0.05
45.75	16.15	366	0.04
45.75	16.16	368	0.04
45.75	16.16	370	0.04
45.74	16.16	372	0.03
45.75	16.16	374	0.04
45.75	16.16	376	0.04
45.75	16.16	378	0.04
45.75	16.16	380	0.04

Kipp's Auto & Towing Service
MW-6 Slug In

45.75	16.16	382	0.04
45.75	16.16	384	0.04
45.75	16.16	386	0.04
45.75	16.16	388	0.04
45.74	16.16	390	0.03
45.75	16.15	392	0.04
45.74	16.15	394	0.03
45.74	16.15	396	0.03
45.74	16.15	398	0.03
45.74	16.15	400	0.02
45.74	16.15	402	0.03
45.74	16.15	404	0.03
45.74	16.15	406	0.03
45.74	16.15	408	0.02
45.74	16.15	410	0.03
45.74	16.15	412	0.02
45.74	16.15	414	0.02
45.74	16.15	416	0.03
45.74	16.15	418	0.02
45.74	16.15	420	0.02
45.74	16.15	422	0.02
45.74	16.15	424	0.02
45.74	16.15	426	0.02
45.73	16.15	428	0.02
45.74	16.15	430	0.02
45.73	16.15	432	0.02
45.73	16.15	434	0.02
45.74	16.15	436	0.02
45.73	16.15	438	0.02
45.73	16.15	440	0.02
45.74	16.15	442	0.02
45.73	16.15	444	0.02
45.74	16.15	446	0.02
45.73	16.15	448	0.02
45.72	16.15	450	0.01
45.72	16.15	452	0.01
45.72	16.15	454	0.01
45.72	16.15	456	0.01
45.72	16.15	458	0.01
45.72	16.15	460	0.01
45.72	16.15	462	0.01
45.72	16.15	464	0.01
45.72	16.15	466	0.01
45.72	16.15	468	0.01
45.71	16.15	470	0
45.72	16.16	472	0.01
45.72	16.16	474	0.01
45.71	16.16	476	0

Kipp's Auto & Towing Service
MW-6 Slug In

45.71	16.16	478	0
45.71	16.16	480	0
45.71	16.16	482	0
45.71	16.16	484	0
45.71	16.16	486	0
45.71	16.15	488	0
45.72	16.15	490	0.01
45.71	16.15	492	0
45.71	16.15	494	0
45.71	16.15	496	0
45.71	16.15	498	0
45.71	16.15	500	0
45.71	16.15	502	0
45.71	16.15	504	0
45.71	16.15	506	0

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

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/DSPS 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.
- Member of the Wisconsin Fabricare Institute

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 700 environmental sites.

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Kipp's Auto & Towing Service

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.

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).
- 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 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.

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

Post-Graduate Education

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

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Jon Jensen

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1294924).

Education

Includes B.S. in Geography with 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.

Jacob Zahn

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1298982).

Education

Includes B.S. in Earth Science with Chemistry minor, University of Minnesota, Twin Cities. Applicable courses successfully completed include Field Geology, Analytical Chemistry, Mineralogy, Fluid Mechanics,Geodynamics, Earth Surface Dynamics, Thermodynamics, Sedimentology/Stratigraphy, Petrology, and Organic Chemistry.

Work Experience

With METCO since September, 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.

APPENDIX G/ STANDARD OF CARE

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

2/12/15
Date

"I Ronald J. Anderson, hereby certify that I am a hydrogeologist as that term is defined in s.NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

2/12/15
Date