

Site Investigation Report

Adell Auto Body Shop
610 Wisconsin Street
Adell, Wisconsin

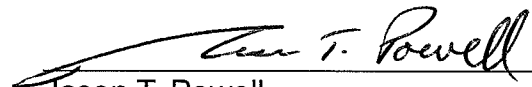
April 30, 2014
by METCO

WDNR File Reference #: 03-60-537761
PECFA Claim #: 53001-1186-10-A

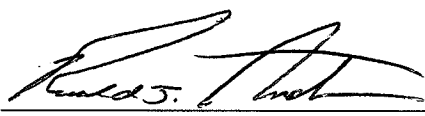


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This document was prepared by:



Jason T. Powell
Staff Scientist



Ronald J. Anderson, P.G.
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April 30, 2014

WDNR BRRTS#: 03-60-537761

PECFA Claim #: 53001-1186-10-A

Roderick Deckert
610 Wisconsin Street
Adell, WI 53001

Dear Mr. Deckert,

Enclosed is our "Site Investigation Report" concerning the Adell Auto Body Shop site in Adell, Wisconsin. This report presents the complete data from all investigation activities.

Due to the soil contamination in the area of the former UST's and dispenser islands exceeding the NR720 Direct Contact residual contamination levels, METCO recommends that the soil be excavated to eliminate the direct contact risks while also reducing the contaminant mass. METCO also recommends that at least one additional monitoring well be installed down-gradient of MW-3, in an effort to further define the groundwater contaminant plume followed by continued groundwater monitoring. If the state concurs, please contact METCO to discuss a workscope and budget.

Depending on soil confirmation results and post-remedial groundwater monitoring results, the WDNR may also require sub-slab vapor sampling of the on-site building prior to "Closure".

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: Tom Verstegen – WDNR

**Site Investigation Report - METCO
Adell Auto Body Shop**

EXECUTIVE SUMMARY

The subject property was first developed in the late 1930's or early 1940's as a repair shop for an excavation business. The property was later used for automobile and farm implement sales. Gasoline UST's and dispensers for retail fuel sales were installed in the 1940's or early 1950's. Rod Deckert purchased the property in 1973 and converted the building into an auto body shop, which is currently operating on the subject property. Retail fuel sales on the subject property continued until the mid to late 1990's.

On June 30, 2010, METCO removed three gasoline UST's (4,000, 1,000, and 500-gallons) from the subject property. During the UST removal, six soil samples were collected beneath the removed UST's to be analyzed for GRO, PVOC, and Naphthalene. Petroleum contamination was detected in all six soil samples.

On July 27, 2010, ten geoprobe borings were completed at the subject property for the Phase 2 ESA. One soil sample and one groundwater sample was collected from each boring to be analyzed for petroleum related compounds. The Phase 2 ESA results confirmed high levels of soil and groundwater contamination in the areas of the removed gasoline UST's and dispensers.

The Tank Closure Site Assessment, Geoprobe/Drilling Projects, and two rounds of groundwater monitoring clearly shows that released petroleum products have impacted the local soil and groundwater. Results of the investigation are as follows:

- Local unconsolidated material generally consists of inter-bedded layers of clay to sandy clay and very fine to coarse grained sand to sand with gravel.
- Bedrock was not encountered during the site investigation, but dolomite bedrock is estimated to exist at approximately 150-200 feet bgs.
- According to data collected from the monitoring wells, the depth to groundwater ranges from 6.47 to 9.30 feet below ground surface depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property varied from the northwest to the northeast.
- The area of soil contamination, which exceeds the NR720 Groundwater RCL's (PVOC's and/or PAH's), Direct Contact RCLs, and/or Soil Saturation Concentration (C-Sat) values, exists in two separate areas on the property. The larger area, which is located near the former UST's and dispenser islands, appears to measure an irregular shaped area up to 55 feet long, up to 55 feet wide, and up to 8 feet thick. The smaller area exists in the areas of G-8 and G-10, and measures approximately 25 feet long, up to 6 feet wide, and up to 4 feet thick. Eight soil samples (G-1, -8, -10, -11, -13, -14, -15, and -16) showed NR720 Direct Contact RCL exceedances for Benzene,

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Ethylbenzene, Naphthalene, 1,2,4-Trimethylbenzenes, 1,3,5-Trimethylbenzenes, Xylene, and Benzo(a)pyrene.

- A dissolved phase contaminant plume exceeding the NR140 Enforcement Standards (ES) and Preventive Action Limits (PAL) has formed at the watertable and has migrated toward the northeast. This plume is at least 235 feet long and 130 feet wide.
- Based on the most recent groundwater analytical results, three of the monitoring wells (MW-1, -2, and -3) show NR140 ES exceedances. The other four monitoring wells (MW-4, -5, -6, and -7) currently show “no detects” for any contaminants of concern.
- Based on the receptor survey, there appears to be no risk associated with the municipal water supply wells (both municipal wells were most recently sampled for VOC's in August 2012, both wells showed no detects), or the utility corridors that the contamination comes into contact with. However, direct contact in the soil is a risk at the site (a remedial excavation is proposed to eliminate this risk), and the potential for vapor intrusion may also pose as a risk to the on-site building (vapor risks should be evaluated following the proposed remedial project).

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 Benzene down-gradient of MW-3 which will be further defined following the proposed remediation project) to warrant a completed investigation as defined by the WDNR guidelines and regulations.

Due to the soil contamination in the area of the former UST's and dispenser islands exceeding the NR720 Direct Contact residual contamination levels, METCO recommends that the soil be excavated to eliminate the direct contact risks while also reducing the contaminant mass. METCO also recommends that at least one additional monitoring well be installed down-gradient of MW-3, in an effort to further define the groundwater contaminant plume followed by continued groundwater monitoring. If the state concurs, please contact METCO to discuss a workscope and budget.

Depending on soil confirmation results and post-remedial groundwater monitoring results, the WDNR may also require sub-slab vapor sampling of the on-site building prior to “Closure”.

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1.0 INTRODUCTION AND BACKGROUND

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

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

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

1.1 Responsible Party Information

Roderick Deckert
610 Wisconsin Street
Adell, WI 53001
(920) 457-0308

1.2 Consultant Information

Consultant

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

Subcontractors

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

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

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Geiss Soil & 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:
610 Wisconsin Street
Adell, WI 53001

Latitude and Longitude:
43° 37' 12" N and 87° 57' 5" W

WTM Coordinates:
685310, 351735

Township/Range:
NE ¼, SW ¼, Section 02, Township 13 North, Range 21 East, Sheboygan
County

1.4 Site History

The subject property was first developed in the late 1930's or early 1940's as a repair shop for an excavation business. The property was later used for automobile and farm implement sales. Gasoline UST's and dispensers for retail fuel sales were installed in the 1940's or early 1950's. Rod Deckert purchased the property in 1973 and converted the building into an auto body shop, which is currently operating on the subject property. Retail fuel sales on the subject property continued until the mid to late 1990's.

Petroleum contamination was discovered in 2004 during road construction adjacent to the subject property. The petroleum contamination was reported to the WDNR, who then required that a site investigation be conducted.

In 2010, the Village of Adell was awarded a Brownfield Site Assessment Grant (SAG) to conduct Phase 1 and Phase 2 Environmental Site Assessments (ESA) at the subject property. The Phase 1 ESA confirmed the presence of three gasoline UST's, which were formerly used for retail gasoline sales.

On June 30, 2010, under the SAG, METCO removed three gasoline UST's (4,000, 1,000, and 500-gallons) from the subject property. During the UST removal, six soil samples were collected beneath the removed UST's to be analyzed for GRO, PVOC, and Naphthalene. Petroleum contamination was detected in all six soil samples.

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On July 27, 2010, ten geoprobe borings were completed at the subject property for the Phase 2 ESA. The geoprobe borings were conducted in areas of concern identified during the Phase 1 ESA. One soil sample and one groundwater sample were collected from each boring to be analyzed for petroleum related compounds. The Phase 2 ESA results confirmed high levels of soil and groundwater contamination in the areas of the removed gasoline UST's and dispensers. The results also showed widespread groundwater contamination from the removed UST's and dispensers across most of the property.

The nearest known LUST site is the Adell Village Firehouse site (BRRTS #03-60-001919 "Closed"), which is located approximately 400 feet to the southeast. Numerous other LUST, ERP, and Spill sites exist in the Village of Adell, however it does not appear that any of these are influencing or being influenced 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, Adell is located in the central 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 unstratified clay, silt, sand, gravel, and boulders (till), exist in much of Sheboygan County.

The elevation of the site is approximately 900 feet above Mean Sea Level (MSL). See Section 6.0 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.

Geologic material in the area of investigation generally consists of the following in downward stratigraphic order:

- Fill materials consisting of tan to gray limestone screenings or sand and gravel was encountered from surface to depths ranging from 2-4 feet below ground surface (bgs). In the area of the removed UST's, the fill material extended to 8 feet bgs.

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- At depths ranging from 2-4 feet bgs and extending to depths ranging from 7 to 11 feet bgs, exists an orange to gray to green clay to sandy clay.
- At depths ranging from 7 to 11 bgs and extending to depths ranging from 12 to at least 14 feet bgs exists a tan to gray very fine to coarse grained sand to sand w/gravel.
- Tan clay was encountered in several soil borings from approximately 12 to at least 14 feet bgs.
- Bedrock was not encountered during the site investigation, but dolomite bedrock is estimated to exist at approximately 150-200 feet bgs.

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 6.47 to 9.30 feet below ground surface depending on well location and time of year.

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the subject property varied from the northwest to the northeast. Groundwater Flow Direction 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 area of soil and groundwater contamination appears to intersect several utility corridors (sanitary sewer line, storm sewer line, and water line). According to the Village of Adell, the sanitary sewer and water utility corridors exist from approximately 6 to 7.5 feet bgs. These lines were installed in 1962, and were backfilled with native soils. Although these utility corridors exist at the same depth as the watertable, it is unlikely that they are acting as a preferential contaminant migration pathway. The storm sewer line was installed in 2009 and exists from approximately 4 to 5 feet bgs, and is backfilled with a wash stone. The storm sewer line exists above the watertable, therefore it is unlikely acting as a preferential contaminant migration pathway.

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The NR140 ES contaminant plume also intersects several shallow utility corridors (natural gas, electric, and telephone). The depth at which these utilities exist is unknown at this time, but is likely less than three feet bgs. Based on the above information and field analysis of soil samples from Geoprobe boring G-6, it does not appear that these utility corridors are acting as a preferential migration pathway for contamination.

The extent of the soil contamination appears to extend up to and underneath the on-site building at depths ranging from 3.5-7 feet bgs, with levels exceeding the NR720 Groundwater RCL's, Direct Contact RCL's, and/or Soil Saturation Concentration (C-Sat) values. The groundwater contamination also appears to extend underneath the on-site building, and appears to show elevated levels in shallow groundwater (greater than 1,000 ppb Benzene at approximately 7-8 feet bgs (MW-2)). Therefore, vapor intrusion is a potential risk at this site.

It should also be noted that a large shop floor drain exists in the shop, which is connected to the sanitary sewer.

Municipal and Private Water Supply Wells

The Village of Adell has two municipal wells, which are located 940 feet (Well #2) and 1,300 feet (Well #1) to the southeast of the subject property. Five private potable wells exist within the village limits, the nearest being approximately 500 feet to the west of the subject property.

Surface Waters

Wetlands surround most of the Village of Adell and are as close as 100-200 feet to the east of the subject property. Silver Creek, which drains these wetlands, exists approximately 1,500 feet to the west 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 June 27, 2013, METCO prepared a LUST Investigation Field Procedures Workplan.
- 3) On July 31, 2013, and August 1, 2013, METCO completed thirteen soil borings and installed seven monitoring wells in seven of the completed borings (G-11 thru G-16 and MW-1 thru MW-7). Thirty-nine soil samples

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were collected for field and/or laboratory analysis. Upon completion of the monitoring wells, the wells were properly developed.

- 4) On October 10, 2013, METCO surveyed and collected groundwater samples from the seven monitoring wells for field and laboratory analysis (Round 1).
- 5) On January 15, 2014, METCO collected groundwater samples from six monitoring wells (MW-4 could not be located due to a large snowbank covering the well area) for field and laboratory analysis (Round 2). METCO also conducted slug tests on monitoring wells MW-1, MW-2, and MW-3.

Site Access Problems

No site access problems were encountered during the LUST investigation.

Analytical Methods

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

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

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

3.2 Data Discussion

Soil Sampling Data

On June 30, 2010, during the UST removal, METCO collected six soil samples (SA-1 thru SA-6) beneath the removed UST's for laboratory analysis (GRO, PVOC, and Naphthalene).

On July 27, 2010, during the Geoprobe Project, METCO completed ten geoprobe borings (G-1 thru G-10) for the subject property. Twenty-one soil samples were collected from each boring for laboratory analysis (PID, Lead, Cadmium, DRO, GRO, PVOC, PAH, and/or Naphthalene).

On July 31, 2013, and August 1, 2013, during the Geoprobe/Drilling Project, METCO completed thirteen soil borings and installed seven monitoring wells in seven of the completed borings (G-11 thru G-16 and MW-1 thru MW-7). Thirty-nine soil samples were collected for field and/or laboratory analysis (PID, GRO,

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Lead, VOC's (8260), PVOOC, Napthalene, and/or TCLP Lead and TCLP Benzene).

Soil analytical results are summarized in the Pre-remedial Soil Analytical Tables with exceedances of the NR720 Groundwater RCL's, Direct Contact RCL's and/or Soil Saturation Concentration (C-Sat) values noted.

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

Groundwater Sampling Data

On July 27, 2010, during the Geoprobe project, METCO collected one groundwater sample from each of the ten Geoprobe borings (G-1 thru G-10) for laboratory analysis (PVOOC and Napthalene).

On July 31, 2013, and August 1, 2013, during the Geoprobe/Drilling Project, seven monitoring wells were installed and subsequently developed (MW-1 thru MW-7).

On October 10, 2013, METCO personnel collected groundwater samples from the seven monitoring wells for field and laboratory analysis (VOC, Dissolved Lead, Dissolved Iron, Dissolved Manganese, Nitrate/Nitrite, and Sulfate).

On January 15, 2014, METCO personnel collected groundwater samples from six monitoring wells (MW-4 could not be located as a large snowbank was covering the well area) for field and laboratory analysis (PVOOC, Dissolved Lead, and Napthalene).

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

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

Laboratory Certification

Synergy Environmental Lab
Wisconsin Lab Certification #445037560

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3.3 Permeability and Hydraulic Conductivities

On January 15, 2014, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-3. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc.

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

Monitoring Well MW-1

Hydraulic Conductivity (K) = 2.95E-03 cm/sec

Transmissivity = 5.05E-01 cm²/sec

Flow Velocity (V=KI/n) = 32.45972 m/yr

Monitoring Well MW-2

Hydraulic Conductivity (K) = 1.92E-03 cm/sec

Transmissivity = 3.34E-01 cm²/sec

Flow Velocity (V=KI/n) = 15.84428 m/yr

Monitoring Well MW-3

Hydraulic Conductivity (K) = 1.24E-03 cm/sec

Transmissivity = 2.46E-01 cm²/sec

Flow Velocity (V=KI/n) = 10.21060 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, -2, and -3 were assumed as the lower extent of the aquifer for calculation purposes. Slug test data is presented in Appendix E.

3.4 Vapor Intrusion Assessment

Regarding vapor intrusion, the extent of the soil contamination appears to extend up to and underneath the on-site building at depths ranging from 3.5-7 feet bgs, with levels exceeding the NR720 Groundwater RCL's, Direct Contact RCL's, and/or C-Sat values. The groundwater contamination also appears to extend underneath the on-site building, and appears to show elevated levels greater than 1,000 ppb Benzene at approximately 7-8 feet bgs (MW-2). Therefore, vapor intrusion is a potential risk at this site (vapor risks should be evaluated following the proposed remedial project).

3.5 Discussion of Results

The Tank Closure Site Assessment, Geoprobe/Drilling Projects, and two rounds of groundwater monitoring clearly shows that released petroleum products have impacted the local soil and groundwater.

Local unconsolidated material generally consists of inter-bedded layers of clay to sandy clay and very fine to coarse grained sand to sand with gravel.

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Bedrock was not encountered during the site investigation, but dolomite bedrock is estimated to exist at approximately 150-200 feet bgs.

According to data collected from the monitoring wells, the depth to groundwater ranges from 6.47 to 9.30 feet below ground surface depending on well location and time of year. The local horizontal groundwater flow in the immediate area of the subject property varied from the northwest to the northeast.

The area of soil contamination, which exceeds the NR720 Groundwater RCL's (P VOC's and/or PAH's), Direct Contact RCLs, and/or C-Sat values, exists in two separate areas on the property. The larger area, which is located near the former UST's and dispenser islands, appears to measure an irregular shaped area up to 55 feet long, up to 55 feet wide, and up to 8 feet thick. The smaller area exists in the areas of G-8 and G-10, and measures approximately 25 feet long, up to 6 feet wide, and up to 4 feet thick. Eight soil samples (G-1, -8, -10, -11, -13, -14, -15, and -16) showed NR720 Direct Contact RCL exceedances for Benzene, Ethylbenzene, Naphthalene, 1,2,4-Trimethylbenzenes, 1,3,5-Trimethylbenzenes, Xylene, and Benzo(a)pyrene.

A dissolved phase contaminant plume exceeding the NR140 Enforcement Standards (ES) and Preventive Action Limits (PAL) has formed at the watertable and has migrated toward the northeast. This plume is at least 235 feet long and 130 feet wide.

Based on the most recent groundwater analytical results, three of the monitoring wells (MW-1, -2, and -3) show NR140 ES exceedances. The other four monitoring wells (MW-4, -5, -6, and -7) currently show "no detects" for any contaminants of concern.

Based on the receptor survey, there appears to be no risk associated with the municipal water supply wells (both municipal wells were most recently sampled for VOC's in August 2012, both wells showed no detects), or the utility corridors that the contamination comes into contact with. However, direct contact is a risk at the site (a remedial excavation is proposed to eliminate this risk), and the potential for vapor intrusion may also pose as a risk to the on-site building (vapor risks should be evaluated following the proposed remedial project).

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

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

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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 Adell Auto Body Shop site is currently a "high risk" site, because there are NR140 Enforcement Standard exceedances within 1,000 feet of a municipal well (Well #2).

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 Benzene down-gradient of MW-3 which will be further defined following the proposed remediation project) to warrant a completed investigation as defined by the WDNR guidelines and regulations.

4.2 Recommendations

Due to the soil contamination in the area of the former UST's and dispenser islands exceeding the NR720 Direct Contact residual contamination levels, METCO recommends that the soil be excavated to eliminate the direct contact

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risks while also reducing the contaminant mass. METCO also recommends that at least one additional monitoring well be installed down-gradient of MW-3, in an effort to further define the groundwater contaminant plume followed by continued groundwater monitoring. If the state concurs, please contact METCO to discuss a workscope and budget.

Depending on soil confirmation results and post-remedial groundwater monitoring results, the WDNR may also require sub-slab vapor sampling of the on-site building prior to "Closure".

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5.0 REFERENCES

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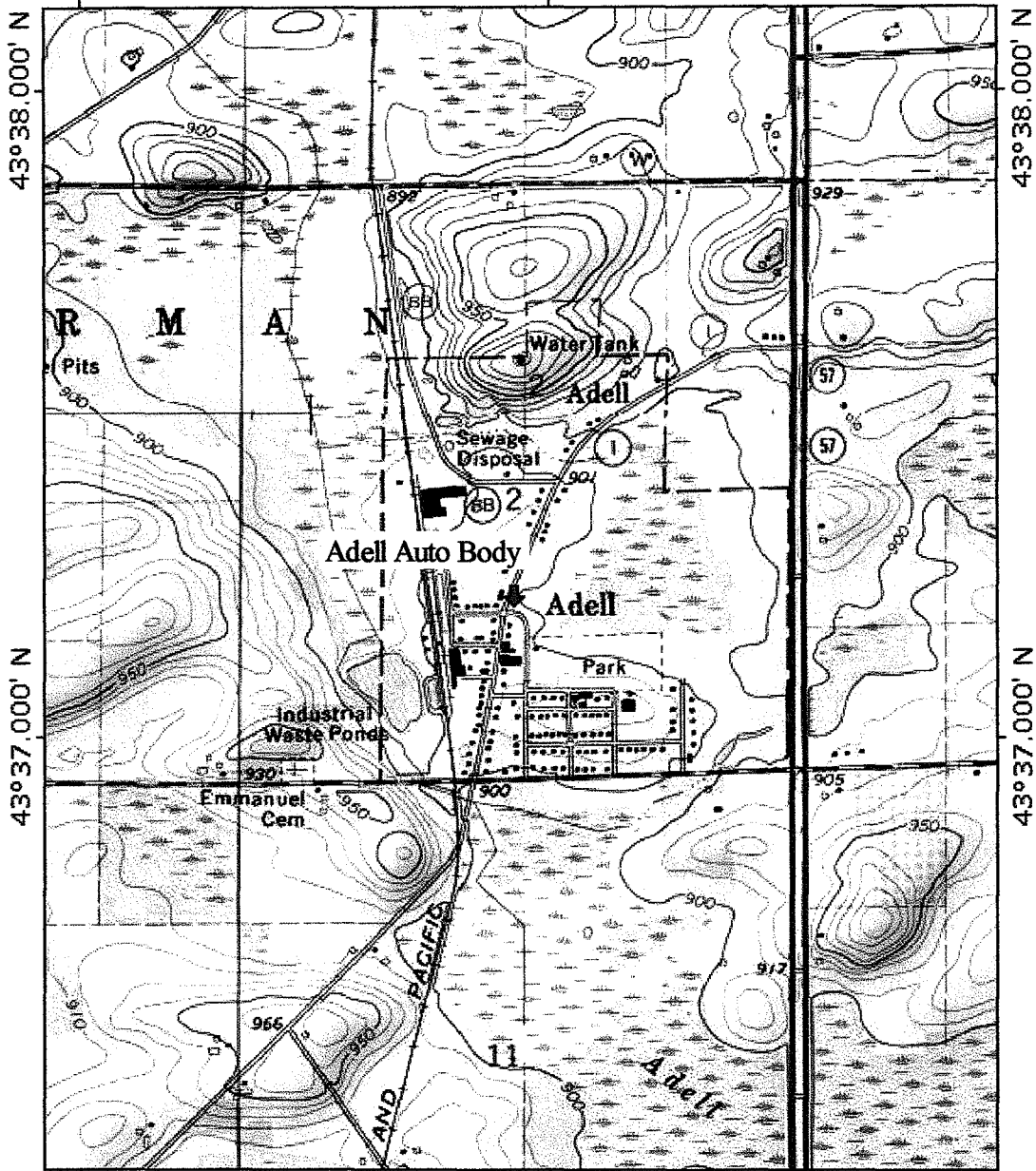
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Other information and data was collected from Rod Deckert, Greg Deckert, Diggers Hotline, Geiss Soil & Samples, LLC, Synergy Environmental Lab, Wisconsin Department of Natural Resources, and local people.

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6.0 FIGURES

TOPO! map printed on 06/02/10 from "wisconsin.tpo" and "Untitled.tpg"
 87°58.000' W WGS84 87°57.000' W

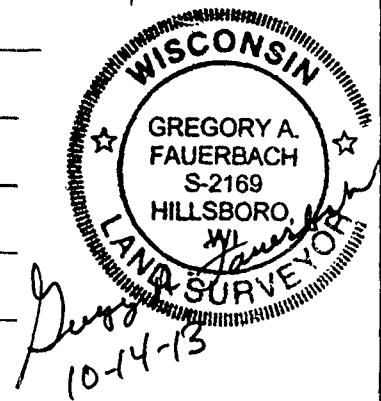


87°58.000' W WGS84 87°57.000' W
 0 5 1 MILE
 0 1000 FEET 0 500 1000 METERS
 MN TN
 3 1/2°
 Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET
ADELL AUTO BODY – ADELL, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

METCO
 Environmental Consulting, Fuel System Design, Installation and Service


WELL	SHEBOYGAN COUNTY COORD. SYSTEM NAD83 (2011)		TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
	NORTH	EAST		
MW-1	129120.65	155736.98	901.92'	901.36'
MW-2	129145.14	155718.37	901.77'	901.19'
MW-3	129182.27	155841.64	900.68'	900.30'
MW-4	129231.74	155763.36	901.87'	901.31'
MW-5	129053.67	155728.05	902.23'	901.76'
MW-6	129170.26	155672.10	901.96'	901.51'
MW-7	129095.01	155809.64	901.65'	901.12'



DRAWN BY: G. FAUERBACH DATE: 10-10-13 FIELD DWG. NO.: 54213	REVISIONS FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54834 PH/FAX 608-489-3363	PROJECT: ADELL AUTO BODY 610 WISCONSIN ST. (CTH I) ADELL, WI 53001	SHEET NAME DATA SHEET	PAGE 1 OF 1
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**CROSS-SECTION
(CLOSE-UP)**


ADELL AUTO BODY



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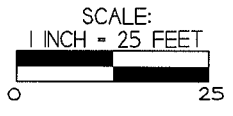
ADELL, WISCONSIN

DRAWN BY: TFP, 6/9/2010
MODIFIED BY: ED, 8/24/2010
ED, 6/7/2013
ED, 6/2/13

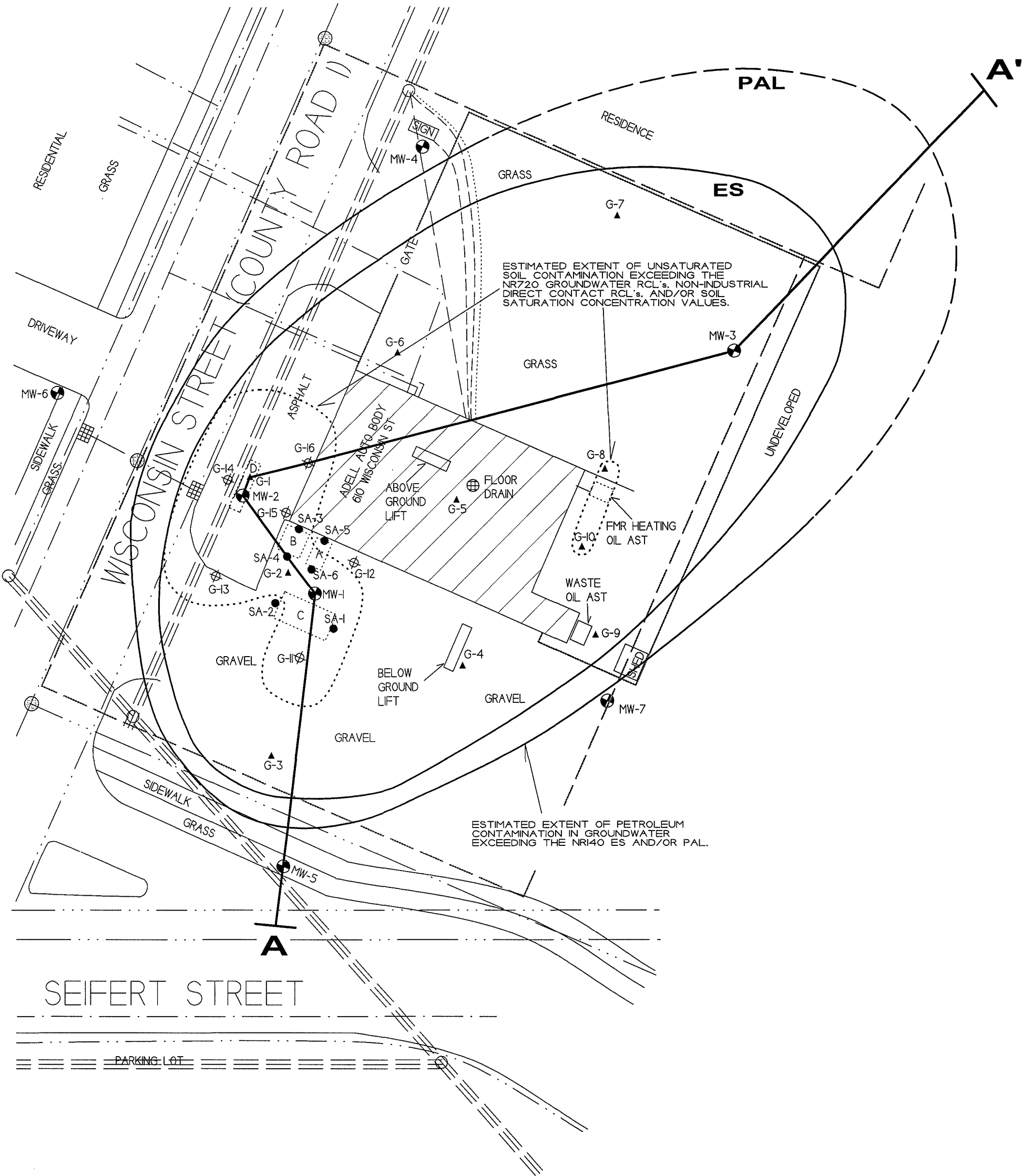


- - UST REMOVAL SOIL SAMPLE LOCATION
- ▲ - GEOPROBE BORING LOCATION (P2ESA)
- ⊙ - MONITORING WELL LOCATION
- ⊕ - GEOPROBE BORING LOCATION (JULY 31, 2013)
- ⊗ - SEWER MANHOLE
- ▣ - STORMWATER CATCH BASIN
- — — — — - WATER LINE
- · - · - · - · - SANITARY SEWER LINE
- · - · - · - · - · - STORM SEWER LINE
- · - · - · - · - · - NATURAL GAS LINE
- ≡ ≡ ≡ ≡ ≡ ≡ - OVERHEAD UTILITIES
- - - - - - BURIED ELECTRIC LINE
- PHONE LINE
- - - - - - PROPERTY BOUNDARY
- — — — — WOOD FENCE

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER




- KEY TO REMOVED UST SYSTEMS**
- A - 500 GALLON GASOLINE UST
 - B - 1000 GALLON GASOLINE UST
 - C - 4000 GALLON GASOLINE UST
 - D - PUMP ISLAND



**GEOLOGIC
CROSS-SECTION**

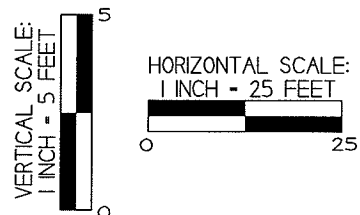
ADELL AUTO BODY



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AEDELL, WISCONSIN

DRAWN BY: BW
DATE: 04/07/2014



INFORMATION BASED ON AVAILABLE DATA.
ACTUAL CONDITIONS MAY DIFFER.

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


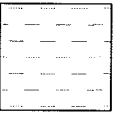
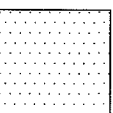
GROUNDWATER SAMPLE RESULTS ARE
PRESENTED IN PPB.

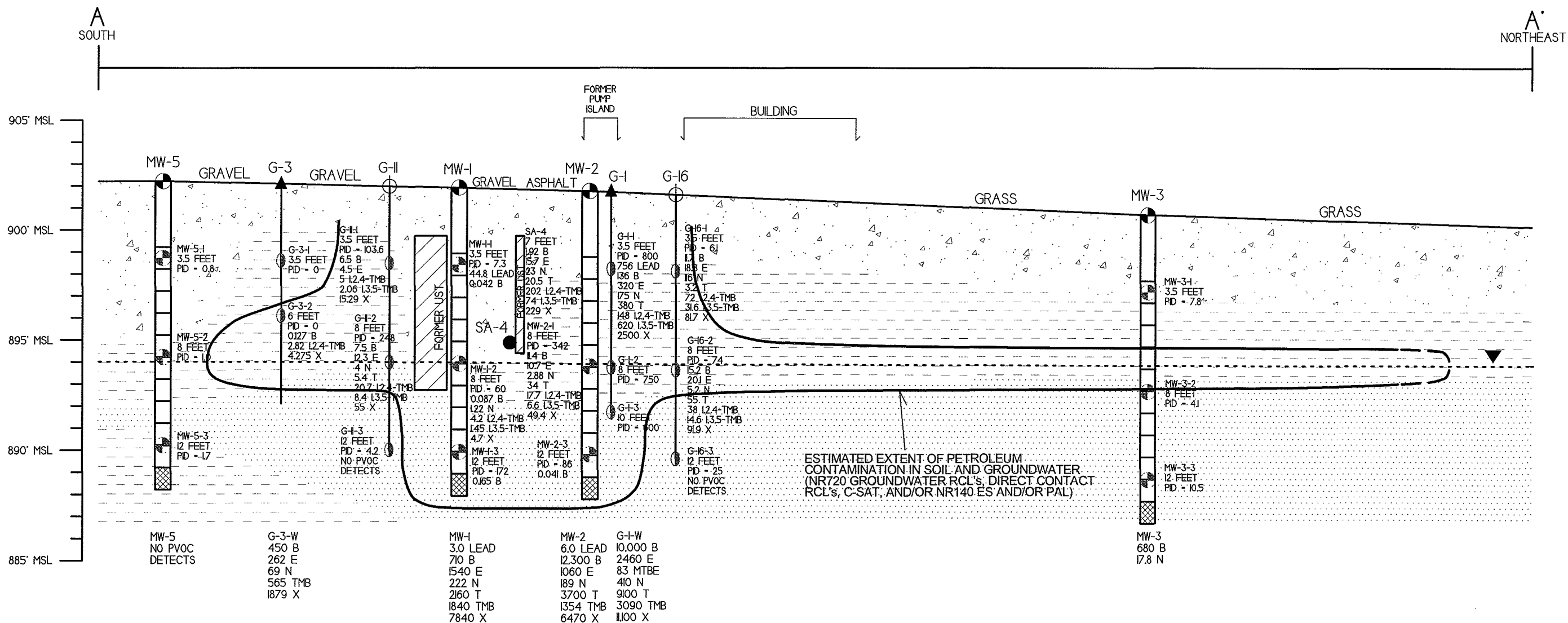
NOTE: ONLY SOIL AND GROUNDWATER
EXCEEDANCES HAVE BEEN DOCUMENTED
ON THE MAP. SEE DATA TABLES AND/OR
LABORATORY REPORTS FOR ALL RESULTS

NOTE: SOIL AND GROUNDWATER SAMPLE
DATA IS BASED ON LABORATORY RESULTS
FROM SAMPLES COLLECTED DURING THE:
TANK REMOVAL - (6/30/2010)
GEOPROBE/DRILLING PROJECTS - (7/27/2010 & 7/31/2013)
ROUND 2 GROUNDWATER SAMPLING - (1/15/2014)

- - UST REMOVAL SOIL SAMPLE LOCATION
- ▲ - GEOPROBE BORING LOCATION (P2ESA)
- ⊕ - GEOPROBE BORING LOCATION (JULY 31, 2013)
- - GEOPROBE BORING SAMPLING LOCATION
- ⊗ - MONITORING WELL LOCATION
- ⊙ - MONITORING WELL SAMPLING LOCATION
- ▼ - WATERTABLE

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

-  LIMESTONE SCREENINGS, SILT, SAND, AND GRAVEL (FILL)
-  ORANGE TO GRAY CLAY TO SANDY CLAY TO SILTY SAND
-  TAN TO GRAY VERY FINE TO COARSE GRAINED SAND



A.2. Pre-Remedial Soil Analytical Table
DRO, GRO, Cadmium, Lead, PVOC's, Naphthalene
Adell Auto Body Shop BRRTS# 03-60-537761

Sample ID	Depth (feet)	Date	PID	Lead (ppm)	Cadmium (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC & PAH COMBINED		
																	Individual Exceedance Count	Hazard Index	Cumulative Cancer Risk
SA-1	7.0	06/30/10	NS	NS	NS	NS	3900	7.7	8.8	<0.500	47	10.2	360*	122	333.1*	NS			
SA-2	7.0	06/30/10	NS	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	0.047	<0.025	<0.075	NS			
SA-3	7.0	06/30/10	NS	NS	NS	NS	760	0.66	1.73	<0.0250	2.57	1.17	49	23.2	44.8	NS			
SA-4	7.0	06/30/10	NS	NS	NS	NS	2530	1.92	15.7	<0.0250	23	20.5	202	74	229	NS			
SA-5	7.0	06/30/10	NS	NS	NS	NS	<10	<0.025	0.0275	<0.025	0.034	0.053	0.39	0.149	0.448	NS			
SA-6	7.0	06/30/10	NS	NS	NS	NS	26	0.078	0.184	<0.025	0.39	0.34	0.61	0.250	0.840	NS			
G-1-1	3.5	7/27/2010	800	756	NS	NS	25000	136	320	<1.250	175	380	148	620*	2500*	NS	7	9.44E+00	1.7E-04
G-1-2	8.0	7/27/2010	750													NS			
G-1-3	10.0	7/27/2010	600													NS			
G-2-1	3.5	7/27/2010	0													NS			
G-2-2	9.0	7/27/2010	500	11.7	NS	NS	6000	24.2	105	<0.500	23.5	307	194	63	479*	NS			
G-3-1	3.5	7/27/2010	0													NS			
G-3-2	6.0	7/27/2010	0	8	NS	NS	43	0.127	0.123	<0.025	0.0460	0.113	2.82	0.840	4.275	NS			
G-4-1	3.5	7/27/2010	0													NS			
G-4-2	8.0	7/27/2010	30	NS	NS	157	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
G-5-1	3.5	7/27/2010	0													NS			
G-5-2	6.0	7/27/2010	0	0.88	NS	<10	<10	<0.025	<0.025	<0.025	NS	0.0291	0.0271	<0.025	<0.075	NS			
G-6-1	3.5	7/27/2010	0													NS			
G-6-2	9.0	7/27/2010	40	0.42	NS	<10	<10	0.159	0.082	<0.025	NS	0.045	0.201	0.069	0.234-0.259	NS			
G-7-1	3.5	7/27/2010	0													NS			
G-7-2	9.0	7/27/2010	0	<0.3	NS	<10	<10	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.075	NS			
G-8-1	3.5	7/27/2010	0	NS	NS	43.3	NS	0.066	0.090	<0.025	NS	0.41	0.155	0.073	0.594	NS	1	5.24E-03	1.8E-06
G-8-2	8.0	7/27/2010	0													NS			
G-9-1	3.5	7/27/2010	0	0.81	<0.4	<10	NS	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.075	NS	0	2.03-E03	0.0E+00
G-9-2	9.5	7/27/2010	0													NS			
G-10-1	3.5	7/27/2010	0	18.1	2.14	<10	NS	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.075	NS	1	7.58E-02	5.3E-06
G-10-2	10.0	7/27/2010	0													NS			
G-11-1	3.5	07/31/13	103.6	9.0	NS	NS	69	6.5	4.5	<0.025	0.107	0.176	5	2.06	15.29	NS	1	1.58E-01	5.0E-06
G-11-2	8.0	07/31/13	248.0	NS	NS	NS	282	7.5	12.3	<0.0250	4	5.4	20.7	8.4	55	NS			
G-11-3	12.0	07/31/13	4.2	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-12-1	3.5	07/31/13	2.6	1.9	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	4.75E-03	0.0E+00
G-12-2	8.0	07/31/13	117.0	NS	NS	NS	1170	14.1	44	<0.0250	17.7	9.8	76	30.6	204	NS			
G-12-3	12.0	07/31/13	12.0	NS	NS	NS	<10	0.34	0.048	<0.025	0.047	0.049	0.069	0.035	0.200	NS			
G-13-1	3.5	07/31/13	14.2	25.5	NS	NS	92	7.4	4.2	<0.025	1.59	1.26	7.1	2.54	20.2	NS	1	2.45E-01	5.8E-06
G-13-2	7.5	07/31/13	73.0	NS	NS	NS	640	23.6	24.3	<0.0250	7.5	78	41	16.2	110.6	NS			
G-13-3	12.0	07/31/13	21.0	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	0.070	<0.025	0.071-0.096	NS			
G-14-1	3.5	07/31/13	36.0	4.5	NS	NS	2300	13.5	84	<1.250	35	2.1	320*	109	432*	NS	5	4.5E+00	2.7E-05
G-14-2	8.0	07/31/13	393.0	NS	NS	NS	291	1.9	10.6	<0.0250	6.1	1.25	20.4	7.6	48.6	NS			
G-14-3	12.0	07/31/13	10.7	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-15-1	3.5	07/31/13	649.0	565	NS	NS	2530	6	35	<1.250	33	40	350*	125	588*	NS	6	6.38E+00	1.5E-05
G-15-2	8.0	07/31/13	344.0	NS	NS	NS	291	0.38	10.2	<0.300	33	7.9	23.3	6.8	67.9	SEE VOC SPREAD-SHEET			
G-15-3	12.0	07/31/13	21.2	NS	NS	NS	<10	<0.025	0.046	<0.025	<0.025	0.115	0.105	0.0294	0.275	NS			
G-16-1	3.5	07/31/13	6.1	<0.3	NS	NS	850	11.7	18.8	<0.0250	116	3.2	72	31.6	81.7	NS	3	1.66E+00	3.3E-05
G-16-2	8.0	07/31/13	74.0	NS	NS	NS	690	15.2	20.1	<0.0250	5.2	55	38	14.6	91.9	NS			
G-16-3	12.0	07/31/13	25.0	NS	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-1-1	3.5	07/31/13	7.3	44.8	NS	NS	<10	0.042	<0.025	<0.025	0.043	0.134	0.132	0.054	0.341	NS	0	1.15E-01	3.7E-008
MW-1-2	8.0	07/31/13	60.0	NS	NS	NS	41	0.087	0.76	<0.025	1.22	0.037	4.2	1.45	4.7	NS			
MW-1-3	12.0	07/31/13	172.0	NS	NS	NS	<10	0.165	0.095	<0.025	0.240	0.061	0.188	0.049	0.443	NS			
MW-2-1	0.4	07/31/13	NM													NO RECOVERY			
MW-2-2	8.0	07/31/13	342.0	NS	NS	NS	314	11.4	10.7	<0.0250	2.88	34	17.7	6.6	49.4	NS			
MW-2-3	12.0	07/31/13	86.0	NS	NS	NS	<10	0.041	<0.025	<0.025	<0.025	0.040	0.046	<0.025	0.149	NS			
MW-3-1	3.5	07/31/13	7.8													NS			
MW-3-2	8.0	07/31/13	4.1													NS			
MW-3-3	12.0	07/31/13	10.5													NS			
MW-4-1	3.5	07/31/13	9.8													NS			
MW-4-2	8.0	07/31/13	2.4													NS			
MW-4-3	12.0	07/31/13	2.9													NS			
MW-5-1	3.5	08/01/13	0.8													NS			
MW-5-2	8.0	08/01/13	1.0													NS			
MW-5-3	12.0	08/01/13	1.7													NS			
MW-6-1	3.5	08/01/13	3.1													NS			
MW-6-2	8.0	08/01/13	1.4													NS			
MW-6-3	12.0	08/01/13	1.2													NS			
MW-7-1	3.5	07/31/13	0.5													NS			
MW-7-2	8.0	07/31/13	8.7	NS	NS	NS	<10	<0.025	<0.025	<0.025	0.110	<0.025	<0.025	0.066	0.053-0.078	NS			
MW-7-3	12.0	07/31/13	3.4													NS			
Groundwater RCL				27	0.752	-	-	0.00512	1.57	0.027	0.659	1.11	1.38	3.94	-				
Non-Industrial Direct Contact RCL				400	70.2	-	-	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

Asteric * = C-sat Exceedance

NS = Not Sampled NM = Not Measured

(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
(PAH)
Adell Auto Body Shop BRRTS# 03-60-537761

Sample	Depth (feet)	Date	Acenaphthene (ppm)	Acenaphthylene (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-Methylnaphthalene (ppm)	2-Methylnaphthalene (ppm)	Naphthalene (ppm)	Phenanthrene (ppm)	Pyrene (ppm)	PVOC & PAH COMBINED		
																					Individual Exceedance Count	Hazard Index	Cumulative Cancer Risk
G-4-2	8	7/27/2010	<0.0152	0.021	0.0069	0.0277	0.0188	0.0233	0.0139	<0.0098	0.021	<0.0055	0.033	0.0109	0.0106	0.103	<0.0097	<0.0162	0.038	0.036			
G-5-2	6	7/27/2010	<0.0152	0.0088	<0.0064	<0.0129	<0.0047	<0.0065	<0.0077	<0.0098	<0.0089	<0.0055	<0.0092	<0.0056	<0.0078	<0.015	<0.0097	<0.0162	<0.0106	<0.0077			
G-6-2	9	7/27/2010	<0.0152	<0.0051	<0.0064	<0.0129	<0.0047	<0.0065	<0.0077	<0.0098	<0.0089	<0.0055	<0.0092	<0.0056	<0.0078	<0.015	<0.0097	<0.0162	<0.0106	<0.0077			
G-7-2	9	7/27/2010	<0.0152	<0.0051	<0.0064	<0.0129	<0.0047	<0.0065	<0.0077	<0.0098	<0.0089	<0.0055	<0.0092	<0.0056	<0.0078	<0.015	<0.0097	<0.0162	<0.0106	<0.0077			
G-8-1	3.5	7/27/2010	<0.0152	0.0098	<0.0064	0.0294	0.0176	0.0304	0.0201	0.0106	0.026	<0.0055	0.034	0.0067	0.0108	0.161	0.231	0.152	0.087	0.0316	1	5.24E-03	1.8E-06
G-9-1	3.5	7/27/2010	<0.0152	<0.0051	<0.0064	<0.0129	<0.0047	<0.0065	<0.0077	<0.0098	<0.0089	<0.0055	<0.0092	<0.0056	<0.0078	<0.015	<0.0097	<0.0162	<0.0106	<0.0077	0	2.03-E03	0.0E+00
G-10-1	3.5	7/27/2010	<0.0152	0.040	0.0173	0.036	0.047	0.084	0.064	0.033	0.043	0.0135	0.042	<0.0056	0.049	<0.015	<0.0097	<0.0162	0.0149	0.037	1	7.58E-02	5.3E-06
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 = Non 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.2. Pre-remedial Soil Analytical Table
 Adell Auto Body Shop BRRTS# 03-60-537761

Sampling Conducted on July 31, 2013

VOC's Sample ID# Sample Depth/ft.	G-15-2 8	Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Solids Percent	83.6			
Lead/ppm	2.19	27	400	==
Benzene/ppm	0.0380	0.00512	1.49	1820
Bromobenzene/ppm	< 0.130	==	354	==
Bromodichloromethane/ppm	< 0.270	0.000326	0.39	==
Bromoform/ppm	< 0.300	0.00233	61.6	==
tert-Butylbenzene/ppm	< 0.200	==	183	183
sec-Butylbenzene/ppm	< 0.410	==	145	145
n-Butylbenzene/ppm	1.58	==	108	108
Carbon Tetrachloride/ppm	< 0.250	0.00388	0.85	==
Chlorobenzene/ppm	< 0.160	==	392	==
Chloroethane/ppm	< 0.420	0.227	==	==
Chloroform/ppm	< 0.490	0.0033	0.42	==
Chloromethane/ppm	< 1.810	0.0155	171	==
2-Chlorotoluene/ppm	< 0.160	==	==	==
4-Chlorotoluene/ppm	< 0.140	==	==	==
1,2-Dibromo-3-chloropropane/ppm	< 0.480	0.000173	0.01	==
Dibromochloromethane/ppm	< 0.140	0.032	0.93	==
1,4-Dichlorobenzene/ppm	< 0.330	0.144	3.48	==
1,3-Dichlorobenzene/ppm	< 0.300	1.15	297	297
1,2-Dichlorobenzene/ppm	< 0.380	1.17	376	376
Dichlorodifluoromethane/ppm	< 0.570	3.08	135	==
1,2-Dichloroethane/ppm	< 0.360	0.00284	0.61	540
1,1-Dichloroethane/ppm	< 0.190	0.484	4.72	==
1,1-Dichloroethene/ppm	< 0.210	0.00502	342	==
cis-1,2-Dichloroethene/ppm	< 0.240	0.0412	156	==
trans-1,2-Dichloroethene/ppm	< 0.290	0.0588	211	==
1,2-Dichloropropane/ppm	< 0.095	0.00332	1.33	==
2,2-Dichloropropane/ppm	< 0.460	==	527	527
1,3-Dichloropropane/ppm	< 0.210	==	1490	1490
Di-isopropyl ether/ppm	< 0.110	==	2260	2260
EDB (1,2-Dibromoethane)/ppm	< 0.200	0.0000282	0.05	==
Ethylbenzene/ppm	10.2	1.57	7.47	480
Hexachlorobutadiene/ppm	< 0.950	==	6.23	==
Isopropylbenzene/ppm	0.98	==	==	==
p-Isopropyltoluene/ppm	< 0.310	==	162	162
Methylene chloride/ppm	< 0.570	0.00256	60.7	==
Methyl tert-butyl ether (MTBE)/ppm	< 0.00	0.027	59.4	8870
Naphthalene/ppm	3.3	0.659	5.15	==
n-Propylbenzene/ppm	3.8	==	==	==
1,1,2,2-Tetrachloroethane/ppm	< 0.120	0.000156	0.75	==
1,1,1,2-Tetrachloroethane/ppm	< 0.230	0.0533	2.59	==
Tetrachloroethene (PCE)/ppm	< 0.490	0.00454	30.7	==
Toluene/ppm	7.9	1.11	818	818
1,2,4-Trichlorobenzene/ppm	< 0.790	0.408	22.1	==
1,2,3-Trichlorobenzene/ppm	< 1.290	==	48.9	==
1,1,1-Trichloroethane/ppm	< 0.380	0.14	==	==
1,1,2-Trichloroethane/ppm	< 0.230	0.00324	1.48	==
Trichloroethene (TCE)/ppm	< 0.280	0.00358	0.64	==
Trichlorofluoromethane/ppm	< 0.860	==	1120	==
1,2,4-Trimethylbenzene/ppm	23.3		89.8	219
1,3,5-Trimethylbenzene/ppm	6.8	1.38	182	182
Vinyl Chloride/ppm	< 0.210	0.000138	0.07	==
m&p-Xylene/ppm	49			
o-Xylene/ppm	18.9	3.94	258	258
TCLP -- Lead/ppm	< 0.05			
TCLP -- Benzene/ppm	0.56			

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

Site Name: Adell Auto Body Shop

Sample ID: G-1-1 (3.5 feet)

NOI Data Basis
 Based on NOI
 Analytical

Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
 1.00E-06

Contaminant	CAS Number	NC-RCL (mg/kg)	CRCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer-Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	136.000	E	1.23E+00	9.1E-05
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	320.000	E	7.58E-02	4.3E-05
Toluene	108-88-3	5300	-	818	Csat	380.000		7.17E-02	
Xylenes	1330-20-7	890	-	258	Csat	2500.000	E	2.91E+00	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	148.000	E	1.65E+00	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	620.000	E	7.93E-01	
Naphthalene	91-20-3	188	5.15	5.15	ca	175.000	E	9.31E-01	3.4E-05
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	756.000	E	1.89E+00	

03-60-537761 Exceedance Count / Hazard Index / Cumulative Cancer Risk: ↑ 7 ↑ 9.44E+00 ↑ 1.7E-04

To Pass, data must meet all these criteria: Exceedance Count = 0 HI ≤ 1.00E+00 Cumulative CR ≤ 1e-05

Bottom-Line: NOI This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.

Site Name: Adell Auto Body Shop

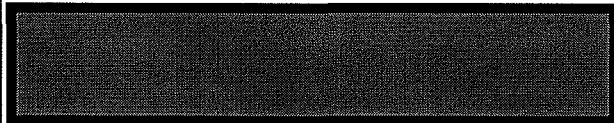
Sample ID: G-8-1 (3.5 feet)



Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Comparison / Hazard Index / Cumulative Cancer Risk		
							Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	0.066		5.95E-04	4.4E-08
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	0.090		2.13E-05	1.2E-08
Toluene	108-88-3	5300	-	818	Csat	0.410		7.74E-05	
Xylenes	1330-20-7	890	-	258	Csat	0.594		6.67E-04	
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				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	0.155		1.73E-03	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	0.073		9.34E-05	
Naphthalene	91-20-3	188	5.15	5.15	ca	0.152		8.09E-04	3.0E-08
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca	0.018	E		1.2E-06
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benzo[a]anthracene	56-55-3	-	0.15	0.15	ca	0.029			2.0E-07
Benzo[j]fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca	0.030			2.1E-07
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca	0.011			7.2E-09
Chrysene	218-01-9	-	14.8	14.8	ca	0.026			1.8E-09
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	0.034		1.48E-05	
Fluorene	86-73-7	2290	-	2290	nc	0.007		2.93E-06	
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca	0.011			7.3E-08
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca	0.161		4.01E-05	1.0E-08
Methylnaphthalene, 2-	91-57-6	229	-	229	nc	0.231		1.01E-03	
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc	0.316		1.84E-04	
Lead and Compounds	7439-92-1	400	-	400	nc				

03-60-537761

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 1 5.24E-03 1.8E-06



To Pass, data must meet all these criteria: Exceedance HI Count = 0 ≤ Cumulative CR ≤ 1e-05

Bottom-Line: NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.

Site Name: Adell Auto Body Shop

Sample ID: G-9-1 (3.5 feet)



Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C.RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	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				
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				
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	0.810		2.03E-03	

03-60-537761 Exceedance Count / Hazard Index / Cumulative Cancer Risk: ↑ 0 ↑ 2.03E-03 ↑ 0.0E+00

To Pass, data must meet all these criteria: Exceedance Count = 0 HI ≤ 1.00E+00 Cumulative CR ≤ 1e-05

Bottom-Line: Yes, levels are below direct-contact concern.



Site Name: Adell Auto Body Shop

Sample ID: G-10-1 (3.5 feet)



Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Comparison / Hazard Index / Cumulative Cancer Risk		
							Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				Target CR used: 1.00E-06
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				
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	0.047	E	3.2E-06	
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc	0.017		1.01E-06	
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca	0.036			2.4E-07
Benzo[j]fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca	0.084			5.7E-07
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca	0.033			2.2E-08
Chrysene	218-01-9	-	14.8	14.8	ca	0.043			2.9E-09
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca	0.014			9.1E-07
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	0.042		1.83E-05	
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca	0.049			3.3E-07
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	0.037		2.15E-05	
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc	2.140		3.05E-02	1.0E-09
Lead and Compounds	7439-92-1	400	-	400	nc	18.100		4.53E-02	

03-60-537761

Exceedance Count / Hazard Index / Cumulative Cancer Risk:

7.58E-02

5.3E-06

To Pass, data must meet all these criteria: Exceedance HI ≤ Cumulative CR
Count = 0 1.00E+00 ≤ 1e-05

Bottom-Line: **NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.**

Site Name: Adell Auto Body Shop

Sample ID: G-11-1 (3.5 feet)

NOV 2004
 11/11/04
 11/11/04

Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
 1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	6.500	E	5.86E-02	4.4E-06
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	4.500		1.07E-03	6.0E-07
Toluene	108-88-3	5300	-	818	Csat	0.176		3.32E-05	
Xylenes	1330-20-7	890	-	258	Csat	15.290		1.72E-02	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	5.000		5.57E-02	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	2.060		2.63E-03	
Naphthalene	91-20-3	188	5.15	5.15	ca	0.107		5.69E-04	2.1E-08
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	9.000		2.25E-02	

03-60-537761 Exceedance Count / Hazard Index / Cumulative Cancer Risk: ↑ 1 ↑ 1.58E-01 ↑ 5.0E-06

To Pass, data must meet all these criteria: Exceedance Count = 0 HI ≤ 1.00E+00 Cumulative CR ≤ 1e-05

Bottom-Line: NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.

Site Name: Adell Auto Body Shop

Sample ID: G-12-1 (3.5 feet)



Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	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				
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				
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	1.900		4.75E-03	

03-60-537761	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	↑ 0	↑ 4.75E-03	↑ 0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.00E+00	Cumulative CR ≤ 1e-05
	Bottom-Line:	Yes, levels are below direct-contact concern.		

Site Name: Adell Auto Body Shop

Sample ID: G-13-1 (3.5 feet)



Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	7.400	E	6.67E-02	5.0E-06
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	4.200		9.95E-04	5.6E-07
Toluene	108-88-3	5300	-	818	Csat	1.260		2.38E-04	
Xylenes	1330-20-7	890	-	258	Csat	20.200		2.27E-02	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	7.100		7.91E-02	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	2.540		3.26E-03	
Naphthalene	91-20-3	188	5.15	5.15	ca	1.590		8.46E-03	3.1E-07
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	25.500		6.38E-02	

03-60-537761 Exceedance Count / Hazard Index / Cumulative Cancer Risk: ↑ 1 ↑ 2.45E-01 ↑ 5.8E-06

To Pass, data must meet all these criteria: Exceedance Count = 0 HI ≤ 1.00E+00 Cumulative CR ≤ 1e-05

Bottom-Line: NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.

Site Name: Adell Auto Body Shop

Sample ID: G-14-1 (3.5 feet)

Not Calculated
Clear and INPUT
Values MUST
Be Present

Comparison / Hazard Index / Cumulative Cancer Risk				Target CR used: 1.00E-06					
Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	NoI-To-Exceed D.C. RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	13.500	E	1.22E-01	9.1E-06
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	84.000	E	1.99E-02	1.1E-05
Toluene	108-88-3	5300	-	818	Csat	2.100		3.96E-04	
Xylenes	1330-20-7	890	-	258	Csat	432.000	E	4.85E-01	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	320.000	E	3.68E+00	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	109.000		1.39E-01	
Naphthalene	91-20-3	188	5.15	5.15	ca	35.000	E	1.86E-01	6.8E-06
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	4.500		1.13E-02	

03-60-537761	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	↑ 5	↑ 4.53E+00	↑ 2.7E-05
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.00E+00	Cumulative CR ≤ 1e-05
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.		

Site Name: Adell Auto Body Shop

Sample ID: G-15-1 (3.5 feet)

New Data Fields:
Clear old INPUT
Entries First

Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D.C. RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	6.000	E	5.41E-02	4.0E-06
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	35.000	E	8.29E-03	4.7E-06
Toluene	108-88-3	5300	-	818	Csat	40.000		7.55E-03	
Xylenes	1330-20-7	890	-	258	Csat	588.000	E	6.61E-01	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	350.000	E	3.90E+00	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	125.000		1.60E-01	
Naphthalene	91-20-3	188	5.15	5.15	ca	33.000	E	1.76E-01	6.4E-06
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	565.000	E	1.41E+00	

03-60-537761

Exceedance Count / Hazard Index / Cumulative Cancer Risk:

6

6.38E+00

1.5E-05

To Pass, data must meet all these criteria:

Exceedance Count = 0

HI

≤ 1.00E+00

Cumulative CR

≤ 1e-05

Bottom-Line:

NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.

Site Name: Adell Auto Body Shop

Sample ID: G-16-1 (3.5 feet)

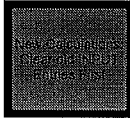
Now Calculations
Based on INPUT
Values Only

Comparison / Hazard Index / Cumulative Cancer Risk						Target CR used: 1.00E-06			
Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	11.700	E	1.05E-01	7.9E-06
Ethylbenzene	100-41-4	4220	7.47	7.47	ca	18.800	E	4.45E-03	2.5E-06
Toluene	108-88-3	5300	-	818	Csat	3.200		6.04E-04	
Xylenes	1330-20-7	890	-	258	Csat	81.700		9.18E-02	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	72.000		8.02E-01	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	31.600		4.04E-02	
Naphthalene	91-20-3	188	5.15	5.15	ca	116.000	E	6.17E-01	2.3E-05
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc				

03-60-537761	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	↑	3	↑	1.66E+00	↑	3.3E-05
	To Pass, data must meet all these criteria:		Exceedance Count = 0		HI ≤ 1.00E+00		Cumulative CR ≤ 1e-05
	Bottom-Line:	NOI This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.					

Site Name: Adell Auto Body Shop

Sample ID: MW-1-1 (3.5 feet)



Comparison / Hazard Index / Cumulative Cancer Risk

Target CR used:
1.00E-06

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca	0.042		3.78E-04	2.9E-08
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat	0.134		2.53E-05	
Xylenes	1330-20-7	890	-	258	Csat	0.341		3.83E-04	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc	0.132		1.47E-03	
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat	0.054		6.91E-05	
Naphthalene	91-20-3	188	5.15	5.15	ca	0.043		2.29E-04	8.3E-09
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	44.800		1.12E-01	

03-60-537761

Exceedance Count / Hazard Index / Cumulative Cancer Risk:

0

1.15E-01

3.7E-08

To Pass, data must meet all these criteria:

Exceedance Count = 0

HI ≤ 1.00E+00

Cumulative CR ≤ 1e-05

Bottom-Line:

Yes, levels are below direct-contact concern.

A.1 Groundwater Analytical Table
 Adell Auto Body Shop BRRTS# 03-60-537761

Well Sampling Conducted on October 10, 2013

VOC's Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	ENFORCEMENT STANDARD =	PREVENTIVE ACTION LIMIT =
								ES - Bold	PAL - <i>Italics</i>
Lead, dissolved/ppb	8.1	9.6	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	15	<i>1.5</i>
Benzene/ppb	1650	14100	1560	< 0.24	< 0.24	< 0.24	0.40 "J"	5	<i>0.5</i>
Bromobenzene/ppb	< 16	< 32	< 6.4	< 0.32	< 0.32	< 0.32	< 0.32	==	==
Bromodichloromethane/ppb	< 18.5	< 37	< 7.4	< 0.37	< 0.37	< 0.37	< 0.37	==	==
Bromofom/ppb	< 17.5	< 35	< 7	< 0.35	< 0.35	< 0.35	< 0.35	==	==
tert-Butylbenzene/ppb	< 18	< 36	< 7.2	< 0.36	< 0.36	< 0.36	< 0.36	==	==
sec-Butylbenzene/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	==	==
n-Butylbenzene/ppb	40 "J"	37 "J"	< 7	< 0.35	< 0.35	< 0.35	< 0.35	==	==
Carbon Tetrachloride/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Chlorobenzene/ppb	< 12	< 24	< 4.8	< 0.24	< 0.24	< 0.24	< 0.24	==	==
Chloroethane/ppb	< 31.5	< 63	< 12.6	< 0.63	< 0.63	< 0.63	< 0.63	==	==
Chloroform/ppb	< 14	< 28	< 5.6	< 0.28	< 0.28	< 0.28	< 0.28	6	<i>0.6</i>
Chloromethane/ppb	< 40.5	< 81	< 16.2	< 0.81	< 0.81	< 0.81	< 0.81	==	==
2-Chlorotoluene/ppb	< 10.5	< 21	< 4.2	< 0.21	< 0.21	< 0.21	< 0.21	==	==
4-Chlorotoluene/ppb	< 10.5	< 21	< 4.2	< 0.21	< 0.21	< 0.21	< 0.21	==	==
1,2-Dibromo-3-chloropropane/ppb	< 44	< 88	< 17.6	< 0.88	< 0.88	< 0.88	< 0.88	==	==
Dibromochloromethane/ppb	< 11	< 22	< 4.4	< 0.22	< 0.22	< 0.22	< 0.22	==	==
1,4-Dichlorobenzene/ppb	< 15	< 30	< 6	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,3-Dichlorobenzene/ppb	< 14	< 28	< 5.6	< 0.28	< 0.28	< 0.28	< 0.28	==	==
1,2-Dichlorobenzene/ppb	< 18	< 36	< 7.2	< 0.36	< 0.36	< 0.36	0.51 "J"	==	==
Dichlorodifluoromethane/ppb	< 22	< 44	< 8.8	< 0.44	< 0.44	< 0.44	< 0.44	1000	<i>200</i>
1,2-Dichloroethane/ppb	< 20.5	< 41	< 8.2	< 0.41	< 0.41	< 0.41	4.2	5	<i>0.5</i>
1,1-Dichloroethane/ppb	< 15	< 30	< 6	< 0.3	< 0.3	< 0.3	< 0.3	==	==
1,1-Dichloroethene/ppb	< 20	< 40	< 8	< 0.4	< 0.4	< 0.4	< 0.4	==	==
cis-1,2-Dichloroethene/ppb	< 19	< 38	< 7.6	< 0.38	< 0.38	< 0.38	< 0.38	70	<i>7</i>
trans-1,2-Dichloroethene/ppb	< 17.5	< 35	< 7	< 0.35	< 0.35	< 0.35	< 0.35	==	==
1,2-Dichloropropane/ppb	< 16	< 32	< 6.4	< 0.32	< 0.32	< 0.32	< 0.32	==	==
2,2-Dichloropropane/ppb	< 18	< 36	< 7.2	< 0.36	< 0.36	< 0.36	< 0.36	==	==
1,3-Dichloropropane/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	==	==
Di-isopropyl ether/ppb	< 11.5	< 23	< 4.6	< 0.23	< 0.23	< 0.23	< 0.23	==	==
EDB (1,2-Dibromoethane)/ppb	< 22	< 44	< 8.8	< 0.44	< 0.44	< 0.44	< 0.44	0.05	<i>0.005</i>
Ethylbenzene/ppb	1800	1820	92	< 0.55	< 0.55	< 0.55	< 0.55	700	<i>140</i>
Hexachlorobutadiene/ppb	< 75	< 150	< 30	< 1.5	< 1.5	< 1.5	< 1.5	==	==
Isopropylbenzene/ppb	74	72 "J"	18.8 "J"	< 0.3	< 0.3	< 0.3	0.78 "J"	==	==
p-Isopropyltoluene/ppb	< 15.5	< 31	< 6.2	< 0.31	1.11	< 0.31	< 0.31	==	==
Methylene chloride/ppb	< 25	< 50	< 10	< 0.5	< 0.5	< 0.5	< 0.5	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 11.5	< 23	< 4.6	< 0.23	< 0.23	< 0.23	< 0.23	60	<i>12</i>
Naphthalene/ppb	284	400 "J"	< 34	< 1.7	< 1.7	< 1.7	< 1.7	100	<i>10</i>
n-Propylbenzene/ppb	235	214	48	< 0.25	< 0.25	< 0.25	< 0.25	==	==
1,1,2,2-Tetrachloroethane/ppb	< 22.5	< 45	< 9	< 0.45	< 0.45	< 0.45	< 0.45	==	==
1,1,1,2-Tetrachloroethane/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	==	==
Tetrachloroethene (PCE)/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Toluene/ppb	3040	5500	59	< 0.69	< 0.69	< 0.69	< 0.69	800	<i>160</i>
1,2,4-Trichlorobenzene/ppb	< 49	< 98	< 19.6	< 0.98	< 0.98	< 0.98	< 0.98	==	==
1,2,3-Trichlorobenzene/ppb	< 90	< 180	< 36	< 1.8	< 1.8	< 1.8	< 1.8	==	==
1,1,1-Trichloroethane/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	==	==
1,1,2-Trichloroethane/ppb	< 17	< 34	< 6.8	< 0.34	< 0.34	< 0.34	< 0.34	==	==
Trichloroethene (TCE)/ppb	< 16.5	< 33	< 6.6	< 0.33	< 0.33	< 0.33	< 0.33	5	<i>0.5</i>
Trichlorofluoromethane/ppb	< 35.5	< 71	< 14.2	< 0.71	< 0.71	< 0.71	< 0.71	==	==
1,2,4-Trimethylbenzene/ppb	1720	1520	176	< 2.2	< 2.2	< 2.2	< 2.2		
1,3,5-Trimethylbenzene/ppb	420	380 "J"	59 "J"	< 1.4	< 1.4	< 1.4	< 1.4	Total TMB's 480	<i>Total TMB's 96</i>
Vinyl Chloride/ppb	< 9	< 18	< 3.6	< 0.18	< 0.18	< 0.18	< 0.18	==	==
m&p-Xylene/ppb	7100	7100	470	< 0.69	< 0.69	< 0.69	< 0.69		
o-Xylene/ppb	2550	2350	17.8 "J"	< 0.63	< 0.63	< 0.63	< 0.63	Total Xylenes 2000	<i>Total Xylenes 400</i>

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

A.1 Groundwater Analytical Table
 Adell Auto Body Shop BRRTS# 03-60-537761

Well MW-1

PVC Elevation = 901.36 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	893.23	8.13	8.1	1650	1800	<11.5	284	3040	2140	9650
01/15/14	893.98	7.38	3.0	710	1540	<18.5	222	2160	1840	7840
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			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 = 901.19 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	893.20	7.99	9.6	14100	1820	<23	400	5500	1900	9450
01/15/14	893.90	7.29	6.0	12300	1060	<37	189	3700	1354	6470
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			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 = 900.30 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	892.67	7.63	<0.7	1560	92	<4.6	<34	59	235	487.8
01/15/14	893.83	6.47	<0.7	680	23	<3.7	17.8	20.4	78.8	103-111.1
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			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
 Adell Auto Body Shop BRRTS# 03-60-537761

Well MW-4
 PVC Elevation = 901.31 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	893.02	8.29	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
01/15/14										
NOT SAMPLED										
ENFORCEMENT 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 = 901.76 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	893.32	8.44	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
01/15/14	894.03	7.73	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT 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 = 901.51 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	892.21	9.30	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
01/15/14	893.84	7.67	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT 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-7
 PVC Elevation = 901.12 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/10/13	893.06	8.06	<0.7	0.40	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
01/15/14	894.03	7.09	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCEMENT 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.8 Other
 Groundwater NA Indicator Results
 Adell Auto Body Shop BRRTS# 03-60-537761

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
10/10/13	0.23	6.78	-98	16.3	2365	0.13	4.64	0.06	731
01/15/14	1.55	6.67	-57	6.7	2169	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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)	Manganese (ppb)
10/10/13	0.13	6.88	-74	15.8	2917	0.18	<3.4	1.43	481
01/15/14	1.47	6.63	-73	7.2	2296	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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)	Manganese (ppb)
10/10/13	1.32	7.16	-37	13.6	1796	0.25	<3.4	<0.06	235
01/15/14	3.00	6.03	94	6.3	906	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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)	Manganese (ppb)
10/10/13	0.47	7.22	196	14.7	1537	3.24	25	<0.06	30.5
01/15/14	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						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
 Adell Auto Body Shop BRRTS# 03-60-537761

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
10/10/13	0.15	6.89	102	15.8	3025	0.47	44.4	<0.06	571
01/15/14	1.80	6.64	271	7.5	3103	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						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)	Manganese (ppb)
10/10/13	0.92	7.06	107	14.9	927	4.67	21	<0.06	28.1
01/15/14	2.69	6.7	244	7.0	1366	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						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)	Manganese (ppb)
10/10/13	0.15	6.84	19	13.3	2287	0.15	45.8	9.60	874
01/15/14	1.51	6.39	129	7.4	941	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						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.7 Water Level Elevations
Adell Auto Body Shop BRRTS# 03-60-537761
Adell, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
<i>ground surface (ft)</i>	901.92	901.77	900.68	901.87	902.23	901.96	901.65
<i>pvc top (ft)</i>	901.36	901.19	900.30	901.31	901.76	901.51	901.12

<i>Date</i>							
10/10/13	893.23	893.20	892.67	893.02	893.22	892.21	893.06
01/15/14	893.98	893.90	893.83	NM	894.03	893.84	894.03

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

APPENDIX A/ METHODS OF INVESTIGATION

Site Investigation Report - METCO Adell Auto Body Shop

Geoprobe Project

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

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

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

Geoprobe Soil Sampling

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

Drilling Project

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

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

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.

Site Investigation Report - METCO Adell Auto Body Shop

Field Screening

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

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

Monitoring Well Installation, Development, and Sampling

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

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

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

Each well was alternately surged and purged by METCO personnel with a bottom loading, disposable, polyethylene bailer for 15-20 minutes to remove fines from the well screen. Approximately 40-80 gallons of groundwater was then removed with a small electrical submersible pump. Well Development Forms are presented in Appendix C.

Site Investigation Report - METCO Adell Auto Body Shop

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 October 31, 2013, DKS Transport Services, Inc. of Menomonie, Wisconsin picked-up and disposed of two soil drums of soil cuttings and two drums of purge water to the Advanced Disposal Seven Mile Creek Landfill in Eau Claire, Wisconsin.

**Site Investigation Report - METCO
Adell Auto Body Shop**

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

Synergy Environmental Lab,

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

ROD DECKERT
ROD DECKERT
610 WISCONSIN STREET
ADELL, WI 53001

Report Date 19-Aug-13

Project Name ADELL AUTO BODY
Project #

Invoice # E25553

Lab Code 5025553A
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 7/31/2013

	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	8/7/2013	8/7/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021	8/7/2013	8/7/2013	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25553

Lab Code 5025553B
 Sample ID MW-7-2
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	72.9	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/8/2013	CJR	1
Naphthalene	110	ug/kg	22	70	1	GRO95/8021		8/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	66	ug/kg	9.3	30	1	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	53	ug/kg	16	50	1	GRO95/8021		8/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/8/2013	CJR	1

Lab Code 5025553C
 Sample ID G-11-1
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	76.2	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	8.95	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	69	mg/kg	2.3	7.3	1	GRO95/8021		8/8/2013	CJR	1
Benzene	6500	ug/kg	7.9	25	1	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	4500	ug/kg	7.7	25	1	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/8/2013	CJR	1
Naphthalene	107	ug/kg	22	70	1	GRO95/8021		8/8/2013	CJR	1
Toluene	176	ug/kg	8.4	27	1	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	5000	ug/kg	10	33	1	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	2060	ug/kg	9.3	30	1	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	14700	ug/kg	16	50	1	GRO95/8021		8/8/2013	CJR	1
o-Xylene	590	ug/kg	10	32	1	GRO95/8021		8/8/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553D

Sample ID G-11-2

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.1	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	282	mg/kg	23	73	10	GRO95/8021		8/8/2013	CJR	1
Benzene	7500	ug/kg	79	250	10	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	12300	ug/kg	77	250	10	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/8/2013	CJR	1
Naphthalene	4000	ug/kg	220	700	10	GRO95/8021		8/8/2013	CJR	1
Toluene	5400	ug/kg	84	270	10	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	20700	ug/kg	100	330	10	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	8400	ug/kg	93	300	10	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	40000	ug/kg	160	500	10	GRO95/8021		8/8/2013	CJR	1
o-Xylene	15000	ug/kg	100	320	10	GRO95/8021		8/8/2013	CJR	1

Lab Code 5025553E

Sample ID G-11-3

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 502553F
 Sample ID G-12-1
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.2	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	1.92	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/8/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/8/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/8/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/8/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/8/2013	CJR	1

Lab Code 502553G
 Sample ID G-12-2
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.8	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	1170	mg/kg	23	73	10	GRO95/8021		8/8/2013	CJR	1
Benzene	14100	ug/kg	79	250	10	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	44000	ug/kg	77	250	10	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/8/2013	CJR	1
Naphthalene	17700	ug/kg	220	700	10	GRO95/8021		8/8/2013	CJR	1
Toluene	9800	ug/kg	84	270	10	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	76000	ug/kg	100	330	10	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	30600	ug/kg	93	300	10	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	147000	ug/kg	160	500	10	GRO95/8021		8/8/2013	CJR	1
o-Xylene	57000	ug/kg	100	320	10	GRO95/8021		8/8/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553H

Sample ID G-12-3

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.7	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/8/2013	CJR	1
Benzene	340	ug/kg	7.9	25	1	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	48	ug/kg	7.7	25	1	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/8/2013	CJR	1
Naphthalene	47 "J"	ug/kg	22	70	1	GRO95/8021		8/8/2013	CJR	1
Toluene	49	ug/kg	8.4	27	1	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	69	ug/kg	10	33	1	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	35	ug/kg	9.3	30	1	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	147	ug/kg	16	50	1	GRO95/8021		8/8/2013	CJR	1
o-Xylene	53	ug/kg	10	32	1	GRO95/8021		8/8/2013	CJR	1

Lab Code 5025553I

Sample ID G-13-1

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.7	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	25.5	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	92	mg/kg	2.3	7.3	1	GRO95/8021		8/8/2013	CJR	1
Benzene	7400	ug/kg	7.9	25	1	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	4200	ug/kg	7.7	25	1	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/8/2013	CJR	1
Naphthalene	1590	ug/kg	22	70	1	GRO95/8021		8/8/2013	CJR	1
Toluene	1260	ug/kg	8.4	27	1	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	7100	ug/kg	10	33	1	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	2540	ug/kg	9.3	30	1	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	14200	ug/kg	16	50	1	GRO95/8021		8/8/2013	CJR	1
o-Xylene	6000	ug/kg	10	32	1	GRO95/8021		8/8/2013	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25553

Lab Code 5025553J
 Sample ID G-13-2
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.6	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	640	mg/kg	23	73	10	GRO95/8021		8/8/2013	CJR	1
Benzene	23600	ug/kg	79	250	10	GRO95/8021		8/8/2013	CJR	1
Ethylbenzene	24300	ug/kg	77	250	10	GRO95/8021		8/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/8/2013	CJR	1
Naphthalene	7500	ug/kg	220	700	10	GRO95/8021		8/8/2013	CJR	1
Toluene	78000	ug/kg	84	270	10	GRO95/8021		8/8/2013	CJR	1
1,2,4-Trimethylbenzene	41000	ug/kg	100	330	10	GRO95/8021		8/8/2013	CJR	1
1,3,5-Trimethylbenzene	16200	ug/kg	93	300	10	GRO95/8021		8/8/2013	CJR	1
m&p-Xylene	79000	ug/kg	160	500	10	GRO95/8021		8/8/2013	CJR	1
o-Xylene	31600	ug/kg	100	320	10	GRO95/8021		8/8/2013	CJR	1

Lab Code 5025553K
 Sample ID G-13-3
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	70	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	71	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553L
 Sample ID MW-1-1
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.0	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	44.8	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	42	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	43 "J"	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	134	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	132	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	54	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	225	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	116	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Lab Code 5025553M
 Sample ID MW-1-2
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	41	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	87	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	760	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	1220	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	37	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	4200	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	1450	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	3300	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	1400	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553N
 Sample ID MW-1-3
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.8	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	165	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	95	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	240	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	61	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	188	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	49	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	320	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	123	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Lab Code 5025553O
 Sample ID G-14-1
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.1	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	4.47	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	2300	mg/kg	115	365	50	GRO95/8021		8/14/2013	CJR	1
Benzene	13500	ug/kg	395	1250	50	GRO95/8021		8/14/2013	CJR	1
Ethylbenzene	84000	ug/kg	385	1250	50	GRO95/8021		8/14/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 1250	ug/kg	405	1300	50	GRO95/8021		8/14/2013	CJR	1
Naphthalene	35000	ug/kg	1100	3500	50	GRO95/8021		8/14/2013	CJR	1
Toluene	2100	ug/kg	420	1350	50	GRO95/8021		8/14/2013	CJR	1
1,2,4-Trimethylbenzene	320000	ug/kg	500	1650	50	GRO95/8021		8/14/2013	CJR	1
1,3,5-Trimethylbenzene	109000	ug/kg	465	1500	50	GRO95/8021		8/14/2013	CJR	1
m&p-Xylene	370000	ug/kg	800	2500	50	GRO95/8021		8/14/2013	CJR	1
o-Xylene	62000	ug/kg	500	1600	50	GRO95/8021		8/14/2013	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25553

Lab Code 5025553P
 Sample ID G-14-2
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	291	mg/kg	23	73	10	GRO95/8021		8/12/2013	CJR	1
Benzene	1900	ug/kg	79	250	10	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	10600	ug/kg	77	250	10	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/12/2013	CJR	1
Naphthalene	6100	ug/kg	220	700	10	GRO95/8021		8/12/2013	CJR	1
Toluene	1250	ug/kg	84	270	10	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	20400	ug/kg	100	330	10	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	7600	ug/kg	93	300	10	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	37000	ug/kg	160	500	10	GRO95/8021		8/12/2013	CJR	1
o-Xylene	11600	ug/kg	100	320	10	GRO95/8021		8/12/2013	CJR	1

Lab Code 5025553Q
 Sample ID G-14-3
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.3	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25553

Lab Code 5025553R
 Sample ID G-15-1
 Sample Matrix Soil
 Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.2	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	565	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	2530	mg/kg	115	365	50	GRO95/8021		8/14/2013	CJR	1
Benzene	6000	ug/kg	395	1250	50	GRO95/8021		8/14/2013	CJR	1
Ethylbenzene	35000	ug/kg	385	1250	50	GRO95/8021		8/14/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 1250	ug/kg	405	1300	50	GRO95/8021		8/14/2013	CJR	1
Naphthalene	33000	ug/kg	1100	3500	50	GRO95/8021		8/14/2013	CJR	1
Toluene	40000	ug/kg	420	1350	50	GRO95/8021		8/14/2013	CJR	1
1,2,4-Trimethylbenzene	350000	ug/kg	500	1650	50	GRO95/8021		8/14/2013	CJR	1
1,3,5-Trimethylbenzene	125000	ug/kg	465	1500	50	GRO95/8021		8/14/2013	CJR	1
m&p-Xylene	390000	ug/kg	800	2500	50	GRO95/8021		8/14/2013	CJR	1
o-Xylene	198000	ug/kg	500	1600	50	GRO95/8021		8/14/2013	CJR	1

Project

Lab Code 5025553S

Sample ID G-15-2

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.6	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	2.19	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
TCLP Lead	< 0.05	mg/l	0.05		1	6010B		8/10/2013	ESC	1
Organic										
General										
Gasoline Range Organics	291	mg/kg	23	73	10	GRO95/8021		8/13/2013	CJR	1
TCLP										
TCLP Benzene	0.56	mg/l	0.05		1	8260B		8/9/2013	ESC	1
VOC's										
Benzene	380	ug/kg	92	290	10	8260B		8/10/2013	CJR	1
Bromobenzene	< 130	ug/kg	130	400	10	8260B		8/10/2013	CJR	1
Bromodichloromethane	< 270	ug/kg	270	850	10	8260B		8/10/2013	CJR	1
Bromoform	< 300	ug/kg	300	950	10	8260B		8/10/2013	CJR	1
tert-Butylbenzene	< 200	ug/kg	200	640	10	8260B		8/10/2013	CJR	1
sec-Butylbenzene	< 410	ug/kg	410	1320	10	8260B		8/10/2013	CJR	1
n-Butylbenzene	1580	ug/kg	260	820	10	8260B		8/10/2013	CJR	1
Carbon Tetrachloride	< 250	ug/kg	250	790	10	8260B		8/10/2013	CJR	1
Chlorobenzene	< 160	ug/kg	160	520	10	8260B		8/10/2013	CJR	1
Chloroethane	< 420	ug/kg	420	1330	10	8260B		8/10/2013	CJR	1
Chloroform	< 490	ug/kg	490	1570	10	8260B		8/10/2013	CJR	1
Chloromethane	< 1810	ug/kg	1810	5770	10	8260B		8/10/2013	CJR	1
2-Chlorotoluene	< 160	ug/kg	160	520	10	8260B		8/10/2013	CJR	1
4-Chlorotoluene	< 140	ug/kg	140	430	10	8260B		8/10/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 480	ug/kg	480	1540	10	8260B		8/10/2013	CJR	1
Dibromochloromethane	< 140	ug/kg	140	450	10	8260B		8/10/2013	CJR	1
1,4-Dichlorobenzene	< 330	ug/kg	330	1030	10	8260B		8/10/2013	CJR	1
1,3-Dichlorobenzene	< 300	ug/kg	300	950	10	8260B		8/10/2013	CJR	1
1,2-Dichlorobenzene	< 380	ug/kg	380	1220	10	8260B		8/10/2013	CJR	1
Dichlorodifluoromethane	< 570	ug/kg	570	1820	10	8260B		8/10/2013	CJR	1
1,2-Dichloroethane	< 360	ug/kg	360	1140	10	8260B		8/10/2013	CJR	1
1,1-Dichloroethane	< 190	ug/kg	190	600	10	8260B		8/10/2013	CJR	1
1,1-Dichloroethene	< 210	ug/kg	210	660	10	8260B		8/10/2013	CJR	1
cis-1,2-Dichloroethene	< 240	ug/kg	240	770	10	8260B		8/10/2013	CJR	1
trans-1,2-Dichloroethene	< 290	ug/kg	290	930	10	8260B		8/10/2013	CJR	1
1,2-Dichloropropane	< 95	ug/kg	95	300	10	8260B		8/10/2013	CJR	1
2,2-Dichloropropane	< 460	ug/kg	460	1480	10	8260B		8/10/2013	CJR	48
1,3-Dichloropropane	< 210	ug/kg	210	680	10	8260B		8/10/2013	CJR	1
Di-isopropyl ether	< 110	ug/kg	110	340	10	8260B		8/10/2013	CJR	1
EDB (1,2-Dibromoethane)	< 200	ug/kg	200	640	10	8260B		8/10/2013	CJR	1
Ethylbenzene	10200	ug/kg	100	330	10	8260B		8/10/2013	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3040	10	8260B		8/10/2013	CJR	1
Isopropylbenzene	980	ug/kg	250	800	10	8260B		8/10/2013	CJR	1
p-Isopropyltoluene	< 310	ug/kg	310	980	10	8260B		8/10/2013	CJR	1
Methylene chloride	< 570	ug/kg	570	1820	10	8260B		8/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 300	ug/kg	300	960	10	8260B		8/10/2013	CJR	8
Naphthalene	3300 "J"	ug/kg	1140	3630	10	8260B		8/10/2013	CJR	1
n-Propylbenzene	3800	ug/kg	240	750	10	8260B		8/10/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 120	ug/kg	120	380	10	8260B		8/10/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 230	ug/kg	230	740	10	8260B		8/10/2013	CJR	1
Tetrachloroethene	< 490	ug/kg	490	1570	10	8260B		8/10/2013	CJR	1
Toluene	7900	ug/kg	200	650	10	8260B		8/10/2013	CJR	1
1,2,4-Trichlorobenzene	< 790	ug/kg	790	2510	10	8260B		8/10/2013	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4110	10	8260B		8/10/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553S

Sample ID G-15-2

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,1-Trichloroethane	< 380	ug/kg	380	1200	10	8260B		8/10/2013	CJR	1
1,1,2-Trichloroethane	< 230	ug/kg	230	740	10	8260B		8/10/2013	CJR	1
Trichloroethene (TCE)	< 280	ug/kg	280	880	10	8260B		8/10/2013	CJR	1
Trichlorofluoromethane	< 860	ug/kg	860	2730	10	8260B		8/10/2013	CJR	1
1,2,4-Trimethylbenzene	23300	ug/kg	260	810	10	8260B		8/10/2013	CJR	1
1,3,5-Trimethylbenzene	6800	ug/kg	260	840	10	8260B		8/10/2013	CJR	1
Vinyl Chloride	< 210	ug/kg	210	660	10	8260B		8/10/2013	CJR	1
m&p-Xylene	49000	ug/kg	680	2160	10	8260B		8/10/2013	CJR	1
o-Xylene	18900	ug/kg	310	980	10	8260B		8/10/2013	CJR	1
SUR - Toluene-d8	106	Rec %			10	8260B		8/10/2013	CJR	1
SUR - Dibromofluoromethane	96	Rec %			10	8260B		8/10/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	100	Rec %			10	8260B		8/10/2013	CJR	1
SUR - 4-Bromofluorobenzene	95	Rec %			10	8260B		8/10/2013	CJR	1

Lab Code 5025553T

Sample ID G-15-3

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.1	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	46	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	115	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	105	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	29.4 "J"	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	167	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	108	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25553

Lab Code 5025553U
Sample ID G-16-1
Sample Matrix Soil
Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	77.6	%			1	5021		8/8/2013	MDK	1
Inorganic										
Metals										
Lead, Total	< 0.3	mg/Kg	0.3	0.96	1	6010B		8/14/2013	CWT	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	850	mg/kg	23	73	10	GRO95/8021		8/12/2013	CJR	1
Benzene	11700	ug/kg	79	250	10	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	18800	ug/kg	77	250	10	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/12/2013	CJR	1
Naphthalene	11600	ug/kg	220	700	10	GRO95/8021		8/12/2013	CJR	1
Toluene	3200	ug/kg	84	270	10	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	72000	ug/kg	100	330	10	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	31600	ug/kg	93	300	10	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	63000	ug/kg	160	500	10	GRO95/8021		8/12/2013	CJR	1
o-Xylene	18700	ug/kg	100	320	10	GRO95/8021		8/12/2013	CJR	1

Lab Code 5025553V
Sample ID G-16-2
Sample Matrix Soil
Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.3	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	690	mg/kg	23	73	10	GRO95/8021		8/13/2013	CJR	1
Benzene	15200	ug/kg	79	250	10	GRO95/8021		8/13/2013	CJR	1
Ethylbenzene	20100	ug/kg	77	250	10	GRO95/8021		8/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/13/2013	CJR	1
Naphthalene	5200	ug/kg	220	700	10	GRO95/8021		8/13/2013	CJR	1
Toluene	55000	ug/kg	84	270	10	GRO95/8021		8/13/2013	CJR	1
1,2,4-Trimethylbenzene	38000	ug/kg	100	330	10	GRO95/8021		8/13/2013	CJR	1
1,3,5-Trimethylbenzene	14600	ug/kg	93	300	10	GRO95/8021		8/13/2013	CJR	1
m&p-Xylene	70000	ug/kg	160	500	10	GRO95/8021		8/13/2013	CJR	1
o-Xylene	21900	ug/kg	100	320	10	GRO95/8021		8/13/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25553

Lab Code 5025553W
Sample ID G-16-3
Sample Matrix Soil
Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.2	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		8/12/2013	CJR	1

Lab Code 5025553X
Sample ID MW-2-2
Sample Matrix Soil
Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	314	mg/kg	23	73	10	GRO95/8021		8/13/2013	CJR	1
Benzene	11400	ug/kg	79	250	10	GRO95/8021		8/13/2013	CJR	1
Ethylbenzene	10700	ug/kg	77	250	10	GRO95/8021		8/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	81	260	10	GRO95/8021		8/13/2013	CJR	1
Naphthalene	2880	ug/kg	220	700	10	GRO95/8021		8/13/2013	CJR	1
Toluene	34000	ug/kg	84	270	10	GRO95/8021		8/13/2013	CJR	1
1,2,4-Trimethylbenzene	17700	ug/kg	100	330	10	GRO95/8021		8/13/2013	CJR	1
1,3,5-Trimethylbenzene	6600	ug/kg	93	300	10	GRO95/8021		8/13/2013	CJR	1
m&p-Xylene	36000	ug/kg	160	500	10	GRO95/8021		8/13/2013	CJR	1
o-Xylene	13400	ug/kg	100	320	10	GRO95/8021		8/13/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25553

Project #

Lab Code 5025553Y

Sample ID MW-2-3

Sample Matrix Soil

Sample Date 7/31/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.8	%			1	5021		8/8/2013	MDK	1
Organic										
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.3	7.3	1	GRO95/8021		8/12/2013	CJR	1
Benzene	41	ug/kg	7.9	25	1	GRO95/8021		8/12/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		8/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		8/12/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		8/12/2013	CJR	1
Toluene	40	ug/kg	8.4	27	1	GRO95/8021		8/12/2013	CJR	1
1,2,4-Trimethylbenzene	46	ug/kg	10	33	1	GRO95/8021		8/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		8/12/2013	CJR	1
m&p-Xylene	107	ug/kg	16	50	1	GRO95/8021		8/12/2013	CJR	1
o-Xylene	42	ug/kg	10	32	1	GRO95/8021		8/12/2013	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.
- 4 The continuing calibration standard not within established limits.
- 8 Closing calibration standard not within established limits.

CWT denotes sub contract lab - Certification #445126660

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



Chain # No (617

Page 1 of 3

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

Environmental Lab, Inc.

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

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

Project (Name / Location): *Adell Auto Body*
 Reports To: *Rod Dechert* Invoice To: *Rod Dechert c/o Jason Powell*
 Company: _____ Company: *METCO*
 Address: *610 Wisconsin Street* Address: *709 Gillette St, Suite 3*
 City/State/Zip: *Adell, WI 53001* City/State/Zip: *La Crosse, WI 54603*
 Phone: *(920) 287-9682* Phone: *(608) 781-8879*
 FAX: _____ FAX: _____

Analysis Requested		Other Analysis										
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 824.2)	VOC (EPA 8260)	B-HCRA METALS	PID/ FID
		X				X						
		X				X						
		X	X			X						
		X				X						
		X	X			X						
		X				X						
		X	X			X						
		X				X						
		X				X						

Lab ID	Sample I.D.	Collection Date - Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
<i>3013524</i>	<i>Meth Blank</i>	<i>7/21/13</i>		X		1		<i>MEOH</i>
<i>R</i>	<i>MW-7-2</i>	<i>8:00</i>				2	<i>S</i>	
<i>C</i>	<i>G-11-1</i>	<i>9:10</i>				3		<i>None</i>
<i>D</i>	<i>G-11-2</i>	<i>9:15</i>				2		
<i>E</i>	<i>G-11-3</i>	<i>9:20</i>				2		
<i>F</i>	<i>G-12-1</i>	<i>9:30</i>				3		<i>None</i>
<i>G</i>	<i>G-12-2</i>	<i>9:35</i>				2		
<i>H</i>	<i>G-12-3</i>	<i>9:40</i>				2		
<i>I</i>	<i>G-13-1</i>	<i>9:55</i>				3		<i>None</i>
<i>J</i>	<i>G-13-2</i>	<i>10:00</i>				2		

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.
U = C Rates Agent Status

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

Relinquished By: (sign) *E. Dine* Time: *9:19 AM* Date: *8/2/13*

Received in Laboratory By: *[Signature]* Time: *10:00* Date: *8/3/13*

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No. 618

Page 2 of 3

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

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

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

Project (Name / Location): Adell Auto Body
 Reports To: See Page 1 Invoice To: _____
 Company: _____ Company: _____
 Address: _____ Address: _____
 City State Zip: _____ City State Zip: _____
 Phone: _____ Phone: _____
 FAX: _____ FAX: _____

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

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
G-13-3	G-13-3	7/21/13	10:05		X		1	S	Meq/L
MW-1-1	MW-1-1		10:20				3		None
MW-1-2	MW-1-2		10:35				2		
MW-1-3	MW-1-3		10:50				2		
G-14-1	G-14-1		11:20				3		None
G-14-2	G-14-2		11:25				2		
G-14-3	G-14-3		11:30				2		
G-15-1	G-15-1		11:35				3		None
G-15-2	G-15-2		11:40				7		None
G-15-3	G-15-3		11:45				2		

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

Relinquished By: (sign) [Signature] Time Date Received By: (sign) _____ Time Date _____
 9:17 AM 8/2/13

Received in Laboratory By: [Signature] Time: 10:00 Date: 8/3/13

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No. 677

Page 3 of 3

Lab I.D. #
Account No. : Quote No.:
Project #:
Sampler: (signature) <i>E. Paul</i>

 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)
<input checked="" type="checkbox"/> Normal Turn Around

Project (Name / Location): <i>Adell Auto Body</i>
Reports To: <i>See Page 1</i> Invoice To: <i>→</i>
Company
Address
City State Zip
Phone
FAX

Analysis Requested		Other Analysis																					
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 824.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID	
5075555W	G-16-1	7/11/13	11:20		X		3	S	MECH/none	X	X		X			X							
V	G-16-2		11:55				2			X						X							
W	G-16-3		1:00				2			X						X							
X	MW-2-2		12:05				2			X						X							
Y	MW-2-3	V	12:10				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: <i>Delivery</i> Temp. of Temp. Blank: _____ °C On Ice: <input checked="" type="checkbox"/> Cooler still intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign) <i>E. Paul</i>	Time Date Received By: (sign) <i>9:15 AM 8/2/13</i>	Time Date
	Received in Laboratory By: <i>Christina</i>	Time: <i>10:00</i>	Date: <i>8/3/13</i>

Synergy Environmental Lab,

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

ROB DECKERT
ROB DECKERT
610 WISCONSIN STREET
ADELL, WI 53001

Report Date 24-Oct-13

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

Lab Code 5025932A
Sample ID MW-6
Sample Matrix Water
Sample Date 10/10/2013

	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		10/17/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	28.1	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/17/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/17/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/17/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/17/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/17/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/17/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/17/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/17/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/17/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/17/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	48

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932A
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.33	ug/l	0.33		1	8260B		10/17/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/17/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/17/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/17/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/17/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/17/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/17/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/17/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/17/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/17/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/17/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/17/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/17/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/17/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/17/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/17/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/17/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/17/2013	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		10/17/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/17/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/17/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	4.67	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	21.0	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932B
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/10/2013

	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		10/17/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	30.5	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/17/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/17/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/17/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/17/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/17/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/17/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/17/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/17/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/17/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/17/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/17/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/17/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/17/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/17/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/17/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/17/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/17/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/17/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/17/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/17/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/17/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/17/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/17/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/17/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/17/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/17/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

Lab Code 5025932B
Sample ID MW-4
Sample Matrix Water
Sample Date 10/10/2013

	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		10/17/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		10/17/2013	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		10/17/2013	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/17/2013	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/17/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	3.24	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	25.0	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932C
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 10/10/2013

	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		10/17/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	235	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	1560	ug/l	4.8	15.4	20	8260B		10/18/2013	CJR	1
Bromobenzene	< 6.4	ug/l	6.4	20	20	8260B		10/18/2013	CJR	1
Bromodichloromethane	< 7.4	ug/l	7.4	24	20	8260B		10/18/2013	CJR	1
Bromoform	< 7	ug/l	7	22	20	8260B		10/18/2013	CJR	1
tert-Butylbenzene	< 7.2	ug/l	7.2	24	20	8260B		10/18/2013	CJR	1
sec-Butylbenzene	< 6.6	ug/l	6.6	20	20	8260B		10/18/2013	CJR	1
n-Butylbenzene	< 7	ug/l	7	22	20	8260B		10/18/2013	CJR	1
Carbon Tetrachloride	< 6.6	ug/l	6.6	22	20	8260B		10/18/2013	CJR	1
Chlorobenzene	< 4.8	ug/l	4.8	15.4	20	8260B		10/18/2013	CJR	1
Chloroethane	< 12.6	ug/l	12.6	40	20	8260B		10/18/2013	CJR	1
Chloroform	< 5.6	ug/l	5.6	17.6	20	8260B		10/18/2013	CJR	1
Chloromethane	< 16.2	ug/l	16.2	52	20	8260B		10/18/2013	CJR	1
2-Chlorotoluene	< 4.2	ug/l	4.2	13.2	20	8260B		10/18/2013	CJR	1
4-Chlorotoluene	< 4.2	ug/l	4.2	13.6	20	8260B		10/18/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 17.6	ug/l	17.6	56	20	8260B		10/18/2013	CJR	1
Dibromochloromethane	< 4.4	ug/l	4.4	14	20	8260B		10/18/2013	CJR	1
1,4-Dichlorobenzene	< 6	ug/l	6	19.2	20	8260B		10/18/2013	CJR	1
1,3-Dichlorobenzene	< 5.6	ug/l	5.6	17.8	20	8260B		10/18/2013	CJR	1
1,2-Dichlorobenzene	< 7.2	ug/l	7.2	24	20	8260B		10/18/2013	CJR	1
Dichlorodifluoromethane	< 8.8	ug/l	8.8	28	20	8260B		10/18/2013	CJR	1
1,2-Dichloroethane	< 8.2	ug/l	8.2	26	20	8260B		10/18/2013	CJR	1
1,1-Dichloroethane	< 6	ug/l	6	19.4	20	8260B		10/18/2013	CJR	1
1,1-Dichloroethene	< 8	ug/l	8	26	20	8260B		10/18/2013	CJR	1
cis-1,2-Dichloroethene	< 7.6	ug/l	7.6	24	20	8260B		10/18/2013	CJR	1
trans-1,2-Dichloroethene	< 7	ug/l	7	22	20	8260B		10/18/2013	CJR	1
1,2-Dichloropropane	< 6.4	ug/l	6.4	20	20	8260B		10/18/2013	CJR	1
2,2-Dichloropropane	< 7.2	ug/l	7.2	24	20	8260B		10/18/2013	CJR	48
1,3-Dichloropropane	< 6.6	ug/l	6.6	20	20	8260B		10/18/2013	CJR	1
Di-isopropyl ether	< 4.6	ug/l	4.6	14.6	20	8260B		10/18/2013	CJR	1
EDB (1,2-Dibromoethane)	< 8.8	ug/l	8.8	28	20	8260B		10/18/2013	CJR	1
Ethylbenzene	92	ug/l	11	34	20	8260B		10/18/2013	CJR	1
Hexachlorobutadiene	< 30	ug/l	30	96	20	8260B		10/18/2013	CJR	1
Isopropylbenzene	18.8 "J"	ug/l	6	19.2	20	8260B		10/18/2013	CJR	1
p-Isopropyltoluene	< 6.2	ug/l	6.2	19.6	20	8260B		10/18/2013	CJR	1
Methylene chloride	< 10	ug/l	10	32	20	8260B		10/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	14.8	20	8260B		10/18/2013	CJR	1
Naphthalene	< 34	ug/l	34	110	20	8260B		10/18/2013	CJR	1
n-Propylbenzene	48	ug/l	5	16.2	20	8260B		10/18/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 9	ug/l	9	28	20	8260B		10/18/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 6.6	ug/l	6.6	22	20	8260B		10/18/2013	CJR	1
Tetrachloroethene	< 6.6	ug/l	6.6	22	20	8260B		10/18/2013	CJR	1
Toluene	59	ug/l	13.8	44	20	8260B		10/18/2013	CJR	1
1,2,4-Trichlorobenzene	< 19.6	ug/l	19.6	62	20	8260B		10/18/2013	CJR	1
1,2,3-Trichlorobenzene	< 36	ug/l	36	116	20	8260B		10/18/2013	CJR	1
1,1,1-Trichloroethane	< 6.6	ug/l	6.6	20	20	8260B		10/18/2013	CJR	1
1,1,2-Trichloroethane	< 6.8	ug/l	6.8	22	20	8260B		10/18/2013	CJR	1
Trichloroethene (TCE)	< 6.6	ug/l	6.6	20	20	8260B		10/18/2013	CJR	1
Trichlorofluoromethane	< 14.2	ug/l	14.2	46	20	8260B		10/18/2013	CJR	1
1,2,4-Trimethylbenzene	176	ug/l	44	138	20	8260B		10/18/2013	CJR	1
1,3,5-Trimethylbenzene	59 "J"	ug/l	28	90	20	8260B		10/18/2013	CJR	1
Vinyl Chloride	< 3.6	ug/l	3.6	11.4	20	8260B		10/18/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

Lab Code 5025932C
Sample ID MW-3
Sample Matrix Water
Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	470	ug/l	13.8	44	20	8260B		10/18/2013	CJR	1
o-Xylene	17.8 "J"	ug/l	12.6	40	20	8260B		10/18/2013	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			20	8260B		10/18/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %			20	8260B		10/18/2013	CJR	1
SUR - Toluene-d8	100	REC %			20	8260B		10/18/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			20	8260B		10/18/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.25 "J"	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	< 3.4	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932D
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 10/10/2013

	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		10/17/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	571	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/17/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/17/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/17/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/17/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/17/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/17/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/17/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/17/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/17/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/17/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/17/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/17/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/17/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
p-Isopropyltoluene	I.11	ug/l	0.31	0.98	1	8260B		10/17/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/17/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/17/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/17/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/17/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/17/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/17/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/17/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/17/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/17/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/17/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/17/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/17/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25932

Project #

Lab Code 5025932D

Sample ID MW-5

Sample Matrix Water

Sample Date 10/10/2013

	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		10/17/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63		2	8260B		10/17/2013	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %				8260B		10/17/2013	CJR	1
SUR - Dibromofluoromethane	98	REC %				8260B		10/17/2013	CJR	1
SUR - Toluene-d8	98	REC %				8260B		10/17/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %				8260B		10/17/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.47	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	44.4	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932E
 Sample ID MW-7
 Sample Matrix Water
 Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	9.60	mg/l	0.06	0.21	1	200.7		10/17/2013	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	874	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	0.40 "J"	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/17/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/17/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/17/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/17/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/17/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/17/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/17/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/17/2013	CJR	1
1,2-Dichlorobenzene	0.51 "J"	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
1,2-Dichloroethane	4.2	ug/l	0.41	1.3	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/17/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/17/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/17/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/17/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/17/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/17/2013	CJR	1
Isopropylbenzene	0.78 "J"	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/17/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/17/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/17/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/17/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/17/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/17/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/17/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/17/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/17/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/17/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/17/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/17/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/17/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/17/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

Lab Code 5025932E
Sample ID MW-7
Sample Matrix Water
Sample Date 10/10/2013

	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		10/17/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/17/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/17/2013	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		10/17/2013	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/17/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/17/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.15 "J"	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	45.8	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932F
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.06 "J"	mg/l	0.06	0.21	1	200.7		10/17/2013	CWT	1
Lead, Dissolved	8.1	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	731	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	1650	ug/l	12	38.5	50	8260B		10/18/2013	CJR	1
Bromobenzene	< 16	ug/l	16	50	50	8260B		10/18/2013	CJR	1
Bromodichloromethane	< 18.5	ug/l	18.5	60	50	8260B		10/18/2013	CJR	1
Bromoform	< 17.5	ug/l	17.5	55	50	8260B		10/18/2013	CJR	1
tert-Butylbenzene	< 18	ug/l	18	60	50	8260B		10/18/2013	CJR	1
sec-Butylbenzene	< 16.5	ug/l	16.5	50	50	8260B		10/18/2013	CJR	1
n-Butylbenzene	40 "J"	ug/l	17.5	55	50	8260B		10/18/2013	CJR	1
Carbon Tetrachloride	< 16.5	ug/l	16.5	55	50	8260B		10/18/2013	CJR	1
Chlorobenzene	< 12	ug/l	12	38.5	50	8260B		10/18/2013	CJR	1
Chloroethane	< 31.5	ug/l	31.5	100	50	8260B		10/18/2013	CJR	1
Chloroform	< 14	ug/l	14	44	50	8260B		10/18/2013	CJR	1
Chloromethane	< 40.5	ug/l	40.5	130	50	8260B		10/18/2013	CJR	1
2-Chlorotoluene	< 10.5	ug/l	10.5	33	50	8260B		10/18/2013	CJR	1
4-Chlorotoluene	< 10.5	ug/l	10.5	34	50	8260B		10/18/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 44	ug/l	44	140	50	8260B		10/18/2013	CJR	1
Dibromochloromethane	< 11	ug/l	11	35	50	8260B		10/18/2013	CJR	1
1,4-Dichlorobenzene	< 15	ug/l	15	48	50	8260B		10/18/2013	CJR	1
1,3-Dichlorobenzene	< 14	ug/l	14	44.5	50	8260B		10/18/2013	CJR	1
1,2-Dichlorobenzene	< 18	ug/l	18	60	50	8260B		10/18/2013	CJR	1
Dichlorodifluoromethane	< 22	ug/l	22	70	50	8260B		10/18/2013	CJR	1
1,2-Dichloroethane	< 20.5	ug/l	20.5	65	50	8260B		10/18/2013	CJR	1
1,1-Dichloroethane	< 15	ug/l	15	48.5	50	8260B		10/18/2013	CJR	1
1,1-Dichloroethene	< 20	ug/l	20	65	50	8260B		10/18/2013	CJR	1
cis-1,2-Dichloroethene	< 19	ug/l	19	60	50	8260B		10/18/2013	CJR	1
trans-1,2-Dichloroethene	< 17.5	ug/l	17.5	55	50	8260B		10/18/2013	CJR	1
1,2-Dichloropropane	< 16	ug/l	16	50	50	8260B		10/18/2013	CJR	1
2,2-Dichloropropane	< 18	ug/l	18	60	50	8260B		10/18/2013	CJR	48
1,3-Dichloropropane	< 16.5	ug/l	16.5	50	50	8260B		10/18/2013	CJR	1
Di-isopropyl ether	< 11.5	ug/l	11.5	36.5	50	8260B		10/18/2013	CJR	1
EDB (1,2-Dibromoethane)	< 22	ug/l	22	70	50	8260B		10/18/2013	CJR	1
Ethylbenzene	1800	ug/l	27.5	85	50	8260B		10/18/2013	CJR	1
Hexachlorobutadiene	< 75	ug/l	75	240	50	8260B		10/18/2013	CJR	1
Isopropylbenzene	74	ug/l	15	48	50	8260B		10/18/2013	CJR	1
p-Isopropyltoluene	< 15.5	ug/l	15.5	49	50	8260B		10/18/2013	CJR	1
Methylene chloride	< 25	ug/l	25	80	50	8260B		10/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 11.5	ug/l	11.5	37	50	8260B		10/18/2013	CJR	1
Naphthalene	284	ug/l	85	275	50	8260B		10/18/2013	CJR	1
n-Propylbenzene	235	ug/l	12.5	40.5	50	8260B		10/18/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 22.5	ug/l	22.5	70	50	8260B		10/18/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 16.5	ug/l	16.5	55	50	8260B		10/18/2013	CJR	1
Tetrachloroethene	< 16.5	ug/l	16.5	55	50	8260B		10/18/2013	CJR	1
Toluene	3040	ug/l	34.5	110	50	8260B		10/18/2013	CJR	1
1,2,4-Trichlorobenzene	< 49	ug/l	49	155	50	8260B		10/18/2013	CJR	1
1,2,3-Trichlorobenzene	< 90	ug/l	90	290	50	8260B		10/18/2013	CJR	1
1,1,1-Trichloroethane	< 16.5	ug/l	16.5	50	50	8260B		10/18/2013	CJR	1
1,1,2-Trichloroethane	< 17	ug/l	17	55	50	8260B		10/18/2013	CJR	1
Trichloroethene (TCE)	< 16.5	ug/l	16.5	50	50	8260B		10/18/2013	CJR	1
Trichlorofluoromethane	< 35.5	ug/l	35.5	115	50	8260B		10/18/2013	CJR	1
1,2,4-Trimethylbenzene	1720	ug/l	110	345	50	8260B		10/18/2013	CJR	1
1,3,5-Trimethylbenzene	420	ug/l	70	225	50	8260B		10/18/2013	CJR	1
Vinyl Chloride	< 9	ug/l	9	28.5	50	8260B		10/18/2013	CJR	1

Project Name ADELL AUTO BODY

Invoice # E25932

Project #

Lab Code 5025932F

Sample ID MW-1

Sample Matrix Water

Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	7100	ug/l	34.5	110	50	8260B		10/18/2013	CJR	1
o-Xylene	2550	ug/l	31.5	100	50	8260B		10/18/2013	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			50	8260B		10/18/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %			50	8260B		10/18/2013	CJR	1
SUR - Toluene-d8	101	REC %			50	8260B		10/18/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			50	8260B		10/18/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.13 "J"	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	4.64 "J"	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project

Lab Code 5025932G
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	1.43	mg/l	0.06	0.21	1	200.7		10/17/2013	CWT	1
Lead, Dissolved	9.6	ug/L	0.7	2.5	1	7421		10/18/2013	CWT	1
Manganese, Dissolved	481	ug/L	4.8	15.4	1	200.7		10/17/2013	CWT	1
Organic										
VOC's										
Benzene	14100	ug/l	24	77	100	8260B		10/18/2013	CJR	1
Bromobenzene	< 32	ug/l	32	100	100	8260B		10/18/2013	CJR	1
Bromodichloromethane	< 37	ug/l	37	120	100	8260B		10/18/2013	CJR	1
Bromofonn	< 35	ug/l	35	110	100	8260B		10/18/2013	CJR	1
tert-Butylbenzene	< 36	ug/l	36	120	100	8260B		10/18/2013	CJR	1
sec-Butylbenzene	< 33	ug/l	33	100	100	8260B		10/18/2013	CJR	1
n-Butylbenzene	37 "J"	ug/l	35	110	100	8260B		10/18/2013	CJR	1
Carbon Tetrachloride	< 33	ug/l	33	110	100	8260B		10/18/2013	CJR	1
Chlorobenzene	< 24	ug/l	24	77	100	8260B		10/18/2013	CJR	1
Chloroethane	< 63	ug/l	63	200	100	8260B		10/18/2013	CJR	1
Chloroform	< 28	ug/l	28	88	100	8260B		10/18/2013	CJR	1
Chloromethane	< 81	ug/l	81	260	100	8260B		10/18/2013	CJR	1
2-Chlorotoluene	< 21	ug/l	21	66	100	8260B		10/18/2013	CJR	1
4-Chlorotoluene	< 21	ug/l	21	68	100	8260B		10/18/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 88	ug/l	88	280	100	8260B		10/18/2013	CJR	1
Dibromochloromethane	< 22	ug/l	22	70	100	8260B		10/18/2013	CJR	1
1,4-Dichlorobenzene	< 30	ug/l	30	96	100	8260B		10/18/2013	CJR	1
1,3-Dichlorobenzene	< 28	ug/l	28	89	100	8260B		10/18/2013	CJR	1
1,2-Dichlorobenzene	< 36	ug/l	36	120	100	8260B		10/18/2013	CJR	1
Dichlorodifluoromethane	< 44	ug/l	44	140	100	8260B		10/18/2013	CJR	1
1,2-Dichloroethane	< 41	ug/l	41	130	100	8260B		10/18/2013	CJR	1
1,1-Dichloroethane	< 30	ug/l	30	97	100	8260B		10/18/2013	CJR	1
1,1-Dichloroethene	< 40	ug/l	40	130	100	8260B		10/18/2013	CJR	1
cis-1,2-Dichloroethene	< 38	ug/l	38	120	100	8260B		10/18/2013	CJR	1
trans-1,2-Dichloroethene	< 35	ug/l	35	110	100	8260B		10/18/2013	CJR	1
1,2-Dichloropropane	< 32	ug/l	32	100	100	8260B		10/18/2013	CJR	1
2,2-Dichloropropane	< 36	ug/l	36	120	100	8260B		10/18/2013	CJR	4 8
1,3-Dichloropropane	< 33	ug/l	33	100	100	8260B		10/18/2013	CJR	1
Di-isopropyl ether	< 23	ug/l	23	73	100	8260B		10/18/2013	CJR	1
EDB (1,2-Dibromoethane)	< 44	ug/l	44	140	100	8260B		10/18/2013	CJR	1
Ethylbenzene	1820	ug/l	55	170	100	8260B		10/18/2013	CJR	1
Hexachlorobutadiene	< 150	ug/l	150	480	100	8260B		10/18/2013	CJR	1
Isopropylbenzene	72 "J"	ug/l	30	96	100	8260B		10/18/2013	CJR	1
p-Isopropyltoluene	< 31	ug/l	31	98	100	8260B		10/18/2013	CJR	1
Methylene chloride	< 50	ug/l	50	160	100	8260B		10/18/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 23	ug/l	23	74	100	8260B		10/18/2013	CJR	1
Naphthalene	400 "J"	ug/l	170	550	100	8260B		10/18/2013	CJR	1
n-Propylbenzene	214	ug/l	25	81	100	8260B		10/18/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 45	ug/l	45	140	100	8260B		10/18/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 33	ug/l	33	110	100	8260B		10/18/2013	CJR	1
Tetrachloroethene	< 33	ug/l	33	110	100	8260B		10/18/2013	CJR	1
Toluene	5500	ug/l	69	220	100	8260B		10/18/2013	CJR	1
1,2,4-Trichlorobenzene	< 98	ug/l	98	310	100	8260B		10/18/2013	CJR	1
1,2,3-Trichlorobenzene	< 180	ug/l	180	580	100	8260B		10/18/2013	CJR	1
1,1,1-Trichloroethane	< 33	ug/l	33	100	100	8260B		10/18/2013	CJR	1
1,1,2-Trichloroethane	< 34	ug/l	34	110	100	8260B		10/18/2013	CJR	1
Trichloroethene (TCE)	< 33	ug/l	33	100	100	8260B		10/18/2013	CJR	1
Trichlorofluoromethane	< 71	ug/l	71	230	100	8260B		10/18/2013	CJR	1
1,2,4-Trimethylbenzene	1520	ug/l	220	690	100	8260B		10/18/2013	CJR	1
1,3,5-Trimethylbenzene	380 "J"	ug/l	140	450	100	8260B		10/18/2013	CJR	1
Vinyl Chloride	< 18	ug/l	18	57	100	8260B		10/18/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

Lab Code 5025932G
Sample ID MW-2
Sample Matrix Water
Sample Date 10/10/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	7100	ug/l	69	220	100	8260B		10/18/2013	CJR	1
o-Xylene	2350	ug/l	63	200	100	8260B		10/18/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			100	8260B		10/18/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			100	8260B		10/18/2013	CJR	1
SUR - Dibromofluoromethane	95	REC %			100	8260B		10/18/2013	CJR	1
SUR - Toluene-d8	98	REC %			100	8260B		10/18/2013	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.18 "J"	mg/l	0.1	0.31	1	4500B/F		10/15/2013	CWT	1
Sulfate, Dissolved	< 3.4	mg/l	3.4	10.6	2	300.0		10/21/2013	CWT	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E25932

Lab Code 5025932H
 Sample ID TB
 Sample Matrix Water
 Sample Date 10/10/2013

	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		10/17/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32		1	8260B		10/17/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/17/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33		1	8260B		10/17/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/17/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63		2	8260B		10/17/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/17/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/17/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/17/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/17/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/17/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/17/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/17/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/17/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/17/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/17/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/17/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32		1	8260B		10/17/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/17/2013	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33		1	8260B		10/17/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/17/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/17/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/17/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/17/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/17/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/17/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/17/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/17/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/17/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/17/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/17/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/17/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/17/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/17/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33		1	8260B		10/17/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/17/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33		1	8260B		10/17/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/17/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/17/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/17/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/17/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/17/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63		2	8260B		10/17/2013	CJR	1
SUR - Toluene-d8	100	REC %				8260B		10/17/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %				8260B		10/17/2013	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %				8260B		10/17/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %				8260B		10/17/2013	CJR	1

Project Name ADELL AUTO BODY
Project #

Invoice # E25932

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

- 1 Laboratory QC within limits.
- 4 The continuing calibration standard 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.

Chain # No 2687

Page 1 of 1

Lab ID: _____
 Account No.: _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) *Matthew C. Madala*

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

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

Project (Name / Location): *Adell Auto Body / Adell, WI*
 Reports To: *Rob Deckert* Invoice To: *R. Deckert c/o METCO*
 Company: _____ Company: *METCO*
 Address: *610 Wisconsin Street* Address: *709 Gillette St., Ste 3*
 City/State/Zip: *Adell, WI 53001* City/State/Zip: *La Crosse, WI 54603*
 Phone: *(920) 457-0308* Phone: *(608) 781-8879*
 FAX: _____ FAX: _____

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)			
GRO (Mod GRO Sep 95)			
LEAD			
NITRATE/NITRITE			
OIL & GREASE			
PAH (EPA 8270)			
PVOC (EPA 821)			
PVOC + NAPHTHALENE			
SULFATE			
TOTAL SUSPENDED SOLIDS			
VOC DW (EPA 542.2)			
VOC (EPA 8260)			
8-PCRA METALS			
		<i>Dissolved Iron & Manganese</i>	
			PID/ FID

Lab ID	Sample ID	Collection Date	Time	Comp.	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
<i>S01532A</i>	<i>MW-6</i>	<i>10/10</i>	<i>4:05</i>		<i>X</i>	<i>Y</i>	<i>6</i>	<i>GW</i>	<i>HCl, HNO₃, H₂SO₄</i>
<i>B</i>	<i>MW-4</i>		<i>4:35</i>						
<i>C</i>	<i>MW-3</i>		<i>5:00</i>						
<i>D</i>	<i>MW-5</i>		<i>6:05</i>						
<i>E</i>	<i>MW-7</i>		<i>6:35</i>						
<i>F</i>	<i>MW-1</i>		<i>7:00</i>						
<i>G</i>	<i>MW-2</i>		<i>7:45</i>						
<i>H</i>	<i>TB</i>						<i>1</i>		

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

Note: UAC Rates Apply

"Agent Status"

Lab to send copy of Report to METCO/Jason P. (Invoice to METCO)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <i>Business</i> Temp. of Temp. Blank: <input checked="" type="checkbox"/> On Ice <input checked="" type="checkbox"/> _____ Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	<i>Matthew C. Madala</i>	<i>11:00AM</i>	<i>10/11/13</i>			
	Received in Laboratory By: <i>Chandra Ross</i>	Time: <i>10:00</i>	Date: <i>10/12/13</i>			

Synergy Environmental Lab,

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

ROD DECKERT
ROD DECKERT
610 WISCONSIN STREET
ADELL, WI 53001

Report Date 24-Jan-14

Project Name ADELL AUTO BODY
Project #

Invoice # E26430

Lab Code 5026430A
Sample ID MW-6
Sample Matrix water
Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		1/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		1/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		1/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		1/22/2014	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E26430

Lab Code 5026430B
 Sample ID MW-5
 Sample Matrix water
 Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		1/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		1/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		1/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		1/22/2014	CJR	1

Lab Code 5026430C
 Sample ID MW-7
 Sample Matrix water
 Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		1/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		1/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		1/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		1/22/2014	CJR	1

Project Name ADELL AUTO BODY
 Project #

Invoice # E26430

Lab Code 5026430D
 Sample ID MW-3
 Sample Matrix water
 Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	680	ug/l	2.7	8.5	10	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	23 "J"	ug/l	8.2	26	10	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.7	ug/l	3.7	12	10	GRO95/8021		1/22/2014	CJR	1
Naphthalene	17.8 "J"	ug/l	12	38	10	GRO95/8021		1/22/2014	CJR	1
Toluene	20.4 "J"	ug/l	8	26	10	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	63	ug/l	8.3	26	10	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	15.8 "J"	ug/l	8.6	27	10	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	103	ug/l	16	52	10	GRO95/8021		1/22/2014	CJR	1
o-Xylene	< 8.1	ug/l	8.1	26	10	GRO95/8021		1/22/2014	CJR	1

Lab Code 5026430E
 Sample ID MW-1
 Sample Matrix water
 Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	3.0	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	710	ug/l	13.5	42.5	50	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	1540	ug/l	41	130	50	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 18.5	ug/l	18.5	60	50	GRO95/8021		1/22/2014	CJR	1
Naphthalene	222	ug/l	60	190	50	GRO95/8021		1/22/2014	CJR	1
Toluene	2160	ug/l	40	130	50	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	1440	ug/l	41.5	130	50	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	400	ug/l	43	135	50	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	5900	ug/l	80	260	50	GRO95/8021		1/22/2014	CJR	1
o-Xylene	1940	ug/l	40.5	130	50	GRO95/8021		1/22/2014	CJR	1

Project Name ADELL AUTO BODY

Invoice # E26430

Project #

Lab Code 5026430F

Sample ID MW-2

Sample Matrix water

Sample Date 1/15/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	6.0	ug/L	0.7	2.5	1	7421		1/22/2014	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	12300	ug/l	27	85	100	GRO95/8021		1/22/2014	CJR	1
Ethylbenzene	1060	ug/l	82	260	100	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 37	ug/l	37	120	100	GRO95/8021		1/22/2014	CJR	1
Naphthalene	189 "J"	ug/l	120	380	100	GRO95/8021		1/22/2014	CJR	1
Toluene	3700	ug/l	80	260	100	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	1050	ug/l	83	260	100	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	304	ug/l	86	270	100	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	5100	ug/l	160	520	100	GRO95/8021		1/22/2014	CJR	1
o-Xylene	1370	ug/l	81	260	100	GRO95/8021		1/22/2014	CJR	1

Lab Code 5026430G

Sample ID TB

Sample Matrix water

Sample Date 1/15/2014

	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		1/22/2014	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		1/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		1/22/2014	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		1/22/2014	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		1/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		1/22/2014	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		1/22/2014	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		1/22/2014	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

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)

α Normal Turn Around

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

Project (Name / Location): Adell Auto Body / Adell
Reports To: Rod Deckert Invoice To: R. Deckert c/o METCO
Company: _____ Company: METCO
Address: 610 Washington St. Address: 709 Gillette St., Ste 3
City State Zip: Adell, WI 53001 City State Zip: LaCross, WI 54603
Phone: (920) 287-9682 Phone: (608) 781-8879
FAX: _____ FAX: _____

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PID/ FID	
	LEAD: (P/Solvent)		
	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-PCRA METALS		

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
E020430A	MW-6	V15	2:56		X	Y	4	GW	HCL/HNO3
B	MW-5		3:20						
C	MW-7		3:40						
D	MW-3		4:15						
Z	MW-1		9:45						
F	MW-2		5:18						
G	TB						1		

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
 Note: UIC Rates Apply "Agent Status"
 Lab to send copy of Report to METCO / Jason P. (Invoice to METCO)

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

Relinquished By: (sign) [Signature] Time: 9:45am Date: 01/17/14
 Received By: (sign) _____ Time: _____ Date: _____
 Received in Laboratory By: [Signature] Time: 10:00 Date: 1/18/14

**Site Investigation Report - METCO
Adell Auto Body Shop**

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

Facility Name			Facility ID Number		License, Permit or Monitoring No.		Date		Completed By (Name and Firm)												
Adell Auto Body Shop			460008560				4/3/2014		B. Walker/METCO												
WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir.		Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
				N	S		Diam.	Type	Top of Well Casing	Ground Surface	MSL (✓)	Site Datum (✓)	Screen Top	Initial Groundwater	Well Depth						
VN038	MW-1		129120.65	X		7/31/2013	2	P	901.36	901.92	X		3	5.57	13	10	11/mw	A	X		
			155736.98	X																	
VN039	MW-2		129145.14	X		7/31/2013	2	P	901.19	901.77	X		3	5.32	13	10	11/mw	A	X		
			155718.37	X																	
VN040	MW-3		129182.27	X		7/31/2013	2	P	900.3	900.68	X		3	5.34	13	10	11/mw	A	X	D	115
			155841.64	X																	
VN041	MW-4		129231.74	X		7/31/2013	2	P	901.31	901.87	X		3	5.77	13	10	11/mw	A	X	S	105
			155763.36	X																	
VN042	MW-5		129053.67	X		8/1/2013	2	P	901.76	902.23	X		3	5.8	13	10	11/mw	A	X	U	75
			155728.05	X																	
VN043	MW-6		129170.26	X		8/1/2013	2	P	901.51	901.96	X		3	5.78	13	10	11/mw	A	X	S	70
			155672.1	X																	
VN044	MW-7		129095.01	X		7/31/2013	2	P	901.12	901.65	X		4	5.46	14	10	11/mw	A	X	S	85
			155809.64	X																	

Location Coordinates Are: <input type="checkbox"/> State Plane Coordinate <input type="checkbox"/> Northern <input type="checkbox"/> Central <input type="checkbox"/> Southern	<input checked="" type="checkbox"/> Local Grid System	Grid Origin Location: (Check if estimated: <input type="checkbox"/>) Lat. <u>43</u> ° <u>37</u> ' <u>12</u> " Long. <u>87</u> ° <u>57</u> ' <u>5</u> " or St. Plane _____ ft. N. _____ ft. E. S/C/N Zone _____	Remarks: _____ _____ _____
--	---	---	-------------------------------------

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

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

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number MW-1			
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil + Samples, LLC			Date Drilling Started 07/31/2013		Date Drilling Completed 07/31/2013			
WI Unique Well No. V N 038		DNR Well ID No.		Well Name MW-1		Drilling Method Geoprobe/HSA		
Local Grid Origin: <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Final Static Water Level ~894 Feet MSL		Surface Elevation 900 Feet MSL		Borehole Diameter 8.25 inches	
Local Grid Location NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Lat 43° 37' 12" Long 87° 57' 5"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Fect <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Sheboygan		County Code 60		Civil Town/City/ or Village Adell		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW-1-1 (0-4 ft)	48 36		2	Gray limestone screenings	Fill			7		M					No Petro odor
MW-1-2 (4-8 ft)	48 24		6				60		M					Petro odor from 7-8'
MW-1-3 (8-12 ft)	48 42		10	Gray f-e grained sand	SP			172		W					Petro odor and staining
				EOB @ 14 feet. Installed monitoring well MW-1 to 13 feet											

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

Signature *E. Prentice* Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number MW-2		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013		Date Drilling Completed 07/31/2013		
Drilling Method Geoprobe/HSA			Final Static Water Level ~894 Feet MSL		Surface Elevation 900 Feet MSL		
Well Name MW-2		Borehole Diameter 8.25 inches		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W			
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N , E NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Lat 43°37'12" Long 87°57'5"				
Facility ID		County Sheboygan		County Code 60		Civil Town/City/ or <u>Village</u> Adell	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW-2-1 (0-4 ft)	48 0		2	Concrete											
			4	No Recovery											
MW-2-2 (4-8 ft)	48 36		6	Gray Clay	CL			342		M					Petro odor
MW-2-3 (8-12 ft)	48 42		10	Gray f-c grained sand	SP			86		W					Petro odor
			14	EOB @ 14 feet. Installed monitoring well MW-2 to 13 feet											

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

Signature [Signature] Firm **METCO**

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

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number	Boring Number MW-3
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013 m m d d y y y y	Date Drilling Completed 07/31/2013 m m d d y y y y
WI Unique Well No. VNO40	DNR Well ID No.	Well Name MW-3	Final Static Water Level ~894 Feet MSL	Surface Elevation 900 Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID			County Sheboygan	County Code 60
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Civil Town/City/ or Village Adell	
Lat 43°37'12"			Long 87°57'5"	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-3-1 (0-4 ft)	48 18		2	Brown sand and gravel	FI			7		M				No petro odor
MW-3-2 (4-8 ft)	48 42		6	Orange to gray sandy clay	CL			4		M				No petro odor
MW-3-3 (8-12 ft)	48 42		10	Tan v-f-c grained sand	SP			10		W				Slight petro odor
				EOB @ 14 feet. Installed monitoring well MW-3 to 13 feet										

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

Signature Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body		License/Permit/Monitoring Number		Boring Number MW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC		Date Drilling Started 07, 31, 2013		Date Drilling Completed 07, 31, 2013	
WI Unique Well No. VNO41		DNR Well ID No.		Well Name MW-4	
Final Static Water Level ~894 Feet MSL		Surface Elevation 900 Feet MSL		Borehole Diameter 8.25 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Lat 43° 37' 12" Long 87° 57' 5"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> Feet <input type="checkbox"/> S <input type="checkbox"/> Feet <input type="checkbox"/> W	
Facility ID		County Sheboygan		County Code 60	
		Civil Town/City/ or <u>Village</u> Adell			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-4-1 (0-4 ft)	48 18		2	Gray sand and gravel	Fill			9		M				No petro odor
MW-4-2 (4-8 ft)	48 36		4	Orange to tan Sandy clay	CL			2		M				No petro odor
MW-4-3 (8-12 ft)	48 42		8	Tan f-c grained sand	SP			2		W				No petro odor
				EOB @ 14 feet. Installed monitoring well MW-4 to 13 feet										

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

Signature E. Dar Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number MW-5
Boring Drilled By: Name of crew chief (First, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 08/01/2013 m m d d y y y y	Date Drilling Completed 08/01/2013 m m d d y y y y	Drilling Method Geoprobe/HSA
WI Unique Well No. V N 0 4 2	DNR Well ID No.	Well Name MW-5	Final Static Water Level ~894 Feet MSL	Surface Elevation 900 Feet MSL	Borehole Diameter 8.25 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E NE 1/4 of SW 1/4 of Section 2, T 13 N, R 21 E			Lat 43° 37' 12" Long 87° 57' 5"	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> Feet <input type="checkbox"/> S <input type="checkbox"/> Feet <input type="checkbox"/> W	
Facility ID	County Sheboygan	County Code 6 0	Civil Town/City/ or Village Adell		

Sample Number and Type	Length, Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW-5-1 (0-4 ft)	48 18		2	Tan limestone screenings	Fill			0		M					No petro odor
MW-5-2 (4-8 ft)	48 18		6	Gray to tan sandy clay	CL			1		M					No petro odor
MW-5-3 (8-12 ft)	48 42		10	Tan f-m grained sand	SP			1		W					No petro odor
			12	Tan clay	CL										
			14	EOB @ 14 feet. Installed monitoring well MW-5 to 13 feet											

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

Signature Firm **METCO**

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

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number MW-6		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil + Samples, LLC			Date Drilling Started 08, 01, 2013 m m d d y y y y		Date Drilling Completed 08, 01, 2013 m m d d y y y y		
WI Unique Well No. V N 0 4 3		DNR Well ID No.		Well Name MW-6		Final Static Water Level ~894 Feet MSL	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane _____ N, _____ E		Lat 43° 37' 12"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E		Long 87° 57' 5"		Civil Town/City/ or <u>Village</u> Adell			
Facility ID		County Sheboygan		County Code 6 0		Civil Town/City/ or <u>Village</u> Adell	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW-6-1 (0-4 ft)	48 18		2	Tan limestone screenings	Fill			3		M					No petro odor
MW-6-2 (4-8 ft)	48 42		6	Tan to gray to green sandy clay	CL			1		M					No petro odor
MW-6-3 (8-12 ft)	48 42		10	Tan f-c grained sand	SP										No petro odor
			12	Tan clay	CL			1		W					No petro odor
EOB @ 14 feet. Installed monitoring well MW-6 to 13 feet															

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

Signature Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body		License/Permit/Monitoring Number	Boring Number MW-7
Boring Drilled By: Name of crew chief (first, last) and firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil & Samples, LLC		Date Drilling Started 07/31/2013	Date Drilling Completed 07/31/2013
WI Unique Well No. VN044	DNR Well ID No.	Well Name MW-7	Drilling Method Geoprobe/HSA
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Final Static Water Level ~ 894 Feet MSL	Surface Elevation 900 Feet MSL
State Plane _____ N, _____ E		Lat 43° 37' 12"	Borehole Diameter 8.25 inches
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E		Long 87° 57' 5"	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Sheboygan	County Code 60	Civil Town/City/ or Village Adell

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW-7-1 (0-4 ft)	48 24		2	Brown sand and gravel	Fill			0		M					No petro odor
MW-7-2 (4-8 ft)	48 42		4	Orange to gray sandy clay	CL			8		M					Slight petro odor from 7-8'
MW-7-3 (8-12 ft)	48 42		8	Gray f-c grained sand w/ gravel	SP			3		W					Slight petro odor from 8-9'
			16	EOB @ 15 feet. Installed monitoring well MW-7 to 14 feet.											

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number	Boring Number G-11
Boring Drilled By: Name of crew chief (first, last) and firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil & Samples, LLC			Date Drilling Started 07/31/2013	Date Drilling Completed 07/31/2013
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation 900 Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane <u> </u> N, <u> </u> E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID			County Sheboygan	County Code 60
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Civil Town/City/ or Adell	
Lat 43°37'12"			Long 87°57'5"	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-11-1 (0-4 ft)	48		2	Tan Limestone Screenings	FI									Slight petro odor
	36		4	Gray sandy clay	CL			103		M				
G-11-2 (4-8 ft)	48		6											Petro odor
	48		8					248		M				
G-11-3 (8-12 ft)	48		10	Gray f-c grained sand w/ gravel	SP									Slight+petro odor
	42		12	EOB @ 12 feet. Borehole Abandoned.				4		W				

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

Signature Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number G-12
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013 m m d d y y y y	Date Drilling Completed 07/31/2013 m m d d y y y y	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation 900 Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Lat 43°37'12"	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Long 87°57'5"		
Facility ID	County Sheboygan	County Code 60	Civil Town/City/ or <u>Village</u> Adell		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-12-1 (0-4 ft)	48		2	Tan Limestone Screenings	Fill			2		M				No petro odor
	24		4	Gray sandy clay	CL									
G-12-2 (4-8 ft)	48		6	Gray v-f-t grained sand	SP			117		M				Petro odor and staining
	42		8	Gray f-c grained sand w/gravel	SP			12		W				Petro odor and staining
G-12-3 (8-12 ft)	48		10											
	42		12	EOB @ 12 feet. Borehole Abandoned.										
			14											
			16											
			18											
			20											
			22											
			24											

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number G-13
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013 m m d d y y y y	Date Drilling Completed 07/31/2013 m m d d y y y y	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation 900 Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane <u>NE</u> <u>1/4</u> of <u>SW</u> <u>1/4</u> of Section <u>2</u> , T <u>13</u> N, R <u>21</u> E			Local Grid Location Lat 43°37'12" Long 87°57'5"		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> Fcct <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Sheboygan	County Code 60	Civil Town/City/ or <u>Village</u> Adell		

Sample Number and Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-13-1 (0-4 ft)	48		2	Gray Limestone Screenings	FI			14		M				Petro odor
	24		4	Gray Clay	CL									
G-13-2 (4-8 ft)	48		6					73		M				Petro odor and staining
	42		8											
G-13-3 (8-12 ft)	48		10	Gray f-c grained sand	SP			21		W				Petro odor
	42		12	Tan Clay	CL									
			14	EOB @ 12 feet. Borehole Abandoned.										

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

Signature Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body		License/Permit/Monitoring Number		Boring Number G-14	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice		Date Drilling Started 07/31/2013		Date Drilling Completed 07/31/2013	
Firm: Geiss Soil Samples, LLC		Drilling Method Geoprobe		Borehole Diameter 2 inches	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation 900 Feet MSL	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Lat 43° 37' 12" Long 87° 57' 5"		
Facility ID		County Sheboygan	County Code 60	Civil Town/City/ or Village Adell	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-14-1 (0-4 ft)	48 30		2	Tan sand and gravel	Fill			36		M				Petro odor from 3.5-4'
			4	Gray sandy clay	CL									
G-14-2 (4-8 ft)	48 42		6					393		M			Petro odor	
			8											
G-14-3 (8-12 ft)	48 42		10	Gray f.-c grained sand	SP								Petro odor	
			12	Tan clay	CL			10		W				
			12	EOB @ 12 feet. 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.

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number G-15
Boring Drilled By: Name of crew chief (First, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013 m m d d y y y y	Date Drilling Completed 07/31/2013 m m d d y y y y	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation 900 Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ N, _____ E			Lat 43° 37' 12"		
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E			Long 87° 57' 5"		
Facility ID		County Sheboygan	County Code 60	Civil Town/City/ or <u>Village</u> Adell	

Sample Number and Type	Length Air. & 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/FTD	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-15-1 (0-4 ft)	48		2	Gray limestone screenings	Fill			649		M				Petro odor from 3-4'
	36		4	Gray sandy clay	CL								Petro odor and staining	
G-15-2 (4-8 ft)	48		6					344		M				Petro odor
	42		8											
G-15-3 (8-12 ft)	48		10	Gray f.-c grained sand	SP			21		W			Petro odor	
	42		12	EOB @ 12 feet. Borehole Abandoned.										

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

Signature Firm **METCO**

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

Page 1 of 1

Facility/Project Name Adell Auto Body			License/Permit/Monitoring Number		Boring Number G-16		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil Samples, LLC			Date Drilling Started 07/31/2013 m m d d y y y y		Date Drilling Completed 07/31/2013 m m d d y y y y		
WI Unique Well No.		DNR Well ID No.		Well Name		Final Static Water Level Feet MSL	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane _____ N, _____ E		Lat 43° 37' 12"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SW 1/4 of Section 2 , T 13 N, R 21 E		Long 87° 57' 5"		Facility ID		County Sheboygan	
County Code 60		Civil Town/City/ or <u>Village</u> Adell		Surface Elevation 900 Feet MSL		Borehole Diameter 2 inches	
Drilling Method Geoprobe		Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter inches	

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
G-16-1 (0-4 ft)	48 24		2	Tan limestone screenings	Fill			6		M				Petro odor from 3.5-4'
			4	Gray sandy clay	CL									
G-16-2 (4-8 ft)	48 42		6					74		M				Petro odor
			8											
G-16-3 (8-12 ft)	48 42		10	Gray f-c grained sand				25		W				Petro odor
			12	EOB @ 12 feet. Borehole Abandoned.										

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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Facility/Project Name Adell Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location Lat. 43° 37' 12" Long. 87° 57' 5"	Wis. Unique Well No. VN038 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 02/31/2013 m m d d y y y y
Type of Well Well Code 11, MN	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13, N. R. 21	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or D ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USGS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or 5 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 2 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 2.5 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 3 ft.</p> <p>I. Well bottom _____ ft. MSL or 13 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 14 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 14 ft.</p> <p>L. Borehole, diameter 8.25 in.</p> <p>M. O.D. well casing 2.40 in.</p> <p>N. I.D. well casing 2.06 in.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 8 in. b. Length: 1 ft. c. Material: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> 04 <input type="checkbox"/> Other</p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer Johnson c. Slot size: 0.010 in. d. Slotted length: 10 ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 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.

Facility/Project Name Adel Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5" or	Wis. Unique Well No. VN039 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 08/31/2013 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13, N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice
Distance from Waste/Source ft. <input type="checkbox"/> Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Geiss Soil & Samples LLC

A. Protective pipe, top elevation ----- ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation ----- ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8</u> in.
C. Land surface elevation ----- ft. MSL	b. Length: <u>1</u> ft.
D. Surface seal, bottom ----- ft. MSL or <u>0</u> ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. ___ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. ___ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. ___ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. ___ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
E. Bentonite seal, top ----- ft. MSL or <u>5</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>#15 Red Flint</u>
F. Fine sand, top ----- ft. MSL or <u>2</u> ft.	b. Volume added _____ ft ³
G. Filter pack, top ----- ft. MSL or <u>2.5</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 Red Flint</u>
H. Screen joint, top ----- ft. MSL or <u>3</u> ft.	b. Volume added _____ ft ³
I. Well bottom ----- ft. MSL or <u>13</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Filter pack, bottom ----- ft. MSL or <u>14</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom ----- ft. MSL or <u>14</u> ft.	b. Manufacturer <u>Johnson</u>
L. Borehole, diameter <u>8.25</u> in.	c. Slot size: <u>0.010</u> in.
M. O.D. well casing <u>2.40</u> in.	d. Slotted length: <u>10</u> ft.
N. I.D. well casing <u>2.06</u> in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>

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

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Facility/Project Name Adell Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5" or	Wis. Unique Well No. VN040 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 02/21/2013 m m d d y y v v
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2 T. 13 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source ft. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

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

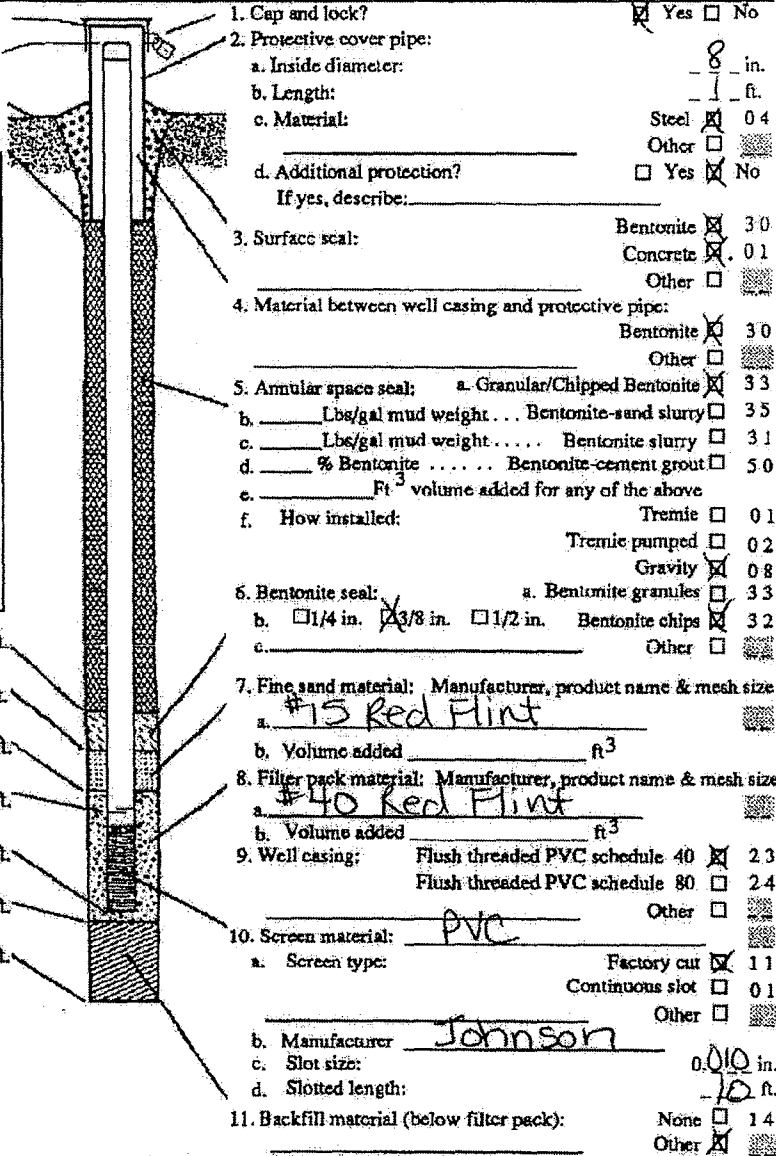
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

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 2 ft.

G. Filter pack, top ----- ft. MSL or 2.5 ft.

H. Screen joint, top ----- ft. MSL or 3 ft.

I. Well bottom ----- ft. MSL or 13 ft.

J. Filter pack, bottom ----- ft. MSL or 14 ft.

K. Borehole, bottom ----- ft. MSL or 14 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 Johnson
 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

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Facility/Project Name Adelt Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5"	Wis. Unique Well No. VN041	DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 08/31/2013 m m d d y y y y	
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13, N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC	
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____	

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

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

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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Facility/Project Name Adel Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5"	Wis. Unique Well No. VN042 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 08/1/2013
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13 N. R. 21	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source ft. <input type="checkbox"/> Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

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

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

Facility/Project Name Adell Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-6
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5"	Wis. Unique Well No. VN043 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 08/11/2013
Type of Well Well Code 11, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13, N. R. 21	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or 0 ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint
E. Bentonite seal, top _____ ft. MSL or 5 ft.	b. Volume added _____ ft ³
F. Fine sand, top _____ ft. MSL or 2 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint
G. Filter pack, top _____ ft. MSL or 2.5 ft.	b. Volume added _____ ft ³
H. Screen joint, top _____ ft. MSL or 3 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or 13 ft.	10. Screen material: PVC
J. Filter pack, bottom _____ ft. MSL or 14 ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or 14 ft.	b. Manufacturer Johnson
L. Borehole, diameter 8.25 in.	c. Slot size: 0.010 in.
M. O.D. well casing 2.40 in.	d. Slotted length: 10 ft.
N. I.D. well casing 2.06 in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>

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

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Facility/Project Name Adell Auto Body	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> W. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 43° 37' 12" Long. 87° 57' 5" or	Wis. Unique Well No. VN044	DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 08/31/2013 m m d d y y v v	
Type of Well Well Code LL, MW	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 2, T. 13 N, R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC	
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

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

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

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-1
Facility License, Permit or Monitoring Number	County Code 60	Wis. Unique Well Number VN038
DNR Well ID Number		

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 13 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 9.3 gal.
7. Volume of water removed from well 40 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.57</u> ft.	<u>6.69</u> ft.
Date	b. <u>07 / 31 / 2013</u>	<u>7 / 31 / 2013</u>
Time	c. <u>12 : 30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01 : 00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6</u> inches	_____ inches
13. Water clarity (Describe)	Clear <input type="checkbox"/> 1 0	Clear <input checked="" type="checkbox"/> 2 0
	Turbid <input checked="" type="checkbox"/> 1 5	Turbid <input type="checkbox"/> 2 5
	_____	_____
	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

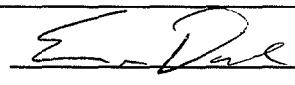
First Name: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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


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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-2																											
Facility License, Permit or Monitoring Number	County Code .60	Wis. Unique Well Number VN039																											
1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;"></th> <th style="width:20%; text-align: center;">Before Development</th> <th style="width:20%; text-align: center;">After Development</th> </tr> </thead> <tbody> <tr> <td>11. Depth to Water (from top of well casing)</td> <td>a. <u>5.32</u> ft.</td> <td><u>6.1</u> ft.</td> </tr> <tr> <td>Date</td> <td>b. <u>07</u> / <u>31</u> / <u>2013</u></td> <td><u>7</u> / <u>31</u> / <u>2013</u></td> </tr> <tr> <td>Time</td> <td>c. <u>02</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> <td><u>03</u> : <u>00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> </tr> <tr> <td>12. Sediment in well bottom</td> <td><u>6</u> inches</td> <td>_____ inches</td> </tr> <tr> <td>13. Water clarity</td> <td>Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u></td> <td>Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u></td> </tr> <tr> <td></td> <td style="text-align: center;"><u>High Turbidity</u></td> <td style="text-align: center;"><u>Low Turbidity</u></td> </tr> <tr> <td></td> <td>_____</td> <td>_____</td> </tr> <tr> <td></td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>		Before Development	After Development	11. Depth to Water (from top of well casing)	a. <u>5.32</u> ft.	<u>6.1</u> ft.	Date	b. <u>07</u> / <u>31</u> / <u>2013</u>	<u>7</u> / <u>31</u> / <u>2013</u>	Time	c. <u>02</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>03</u> : <u>00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	12. Sediment in well bottom	<u>6</u> inches	_____ inches	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>		<u>High Turbidity</u>	<u>Low Turbidity</u>		_____	_____		_____	_____
	Before Development		After Development																										
11. Depth to Water (from top of well casing)	a. <u>5.32</u> ft.		<u>6.1</u> ft.																										
Date	b. <u>07</u> / <u>31</u> / <u>2013</u>		<u>7</u> / <u>31</u> / <u>2013</u>																										
Time	c. <u>02</u> : <u>30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.		<u>03</u> : <u>00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.																										
12. Sediment in well bottom	<u>6</u> inches		_____ inches																										
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u>		Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>																										
	<u>High Turbidity</u>		<u>Low Turbidity</u>																										
	_____		_____																										
	_____		_____																										
2. Well development method																													
surged with bailer and bailed	<input type="checkbox"/> 41																												
surged with bailer and pumped	<input checked="" type="checkbox"/> 61																												
surged with block and bailed	<input type="checkbox"/> 42																												
surged with block and pumped	<input type="checkbox"/> 62																												
surged with block, bailed and pumped	<input type="checkbox"/> 70																												
compressed air	<input type="checkbox"/> 20																												
bailed only	<input type="checkbox"/> 10																												
pumped only	<input type="checkbox"/> 51																												
pumped slowly	<input type="checkbox"/> 50																												
Other _____	<input type="checkbox"/> _____																												
3. Time spent developing well	<u>30</u> min.																												
4. Depth of well (from top of well casing)	<u>13</u> ft.																												
5. Inside diameter of well	<u>2</u> in.																												
6. Volume of water in filter pack and well casing	<u>9.5</u> gal.																												
7. Volume of water removed from well	<u>40</u> gal.																												
8. Volume of water added (if any)	_____ gal.																												
9. Source of water added _____																													
10. Analysis performed on water added? (If yes, attach results)	<input type="checkbox"/> Yes <input type="checkbox"/> No																												
17. Additional comments on development:		Fill in if drilling fluids were used and well is at solid waste facility: 14. Total suspended solids _____ mg/l _____ mg/l 15. COD _____ mg/l _____ mg/l 16. Well developed by: Name (first, last) and Firm First Name: <u>Eric</u> Last Name: <u>Dahl</u> Firm: <u>METCO</u>																											

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Rod Last Name: Deckert
 Facility/Firm: Adell Auto Body
 Street: 610 Wisconsin Street
 City/State/Zip: Adell WI 53001-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-3
Facility License, Permit or Monitoring Number	County Code 60	Wis. Unique Well Number VN040
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 50 min.

4. Depth of well (from top of well casing) 13 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 40 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.34</u> ft.	<u>10.3</u> ft.
Date	b. <u>07 / 31 / 2013</u> m m d d y y y y	<u>7 / 31 / 2013</u> m m d d y y y y
Time	c. <u>03</u> : <u>25</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>04</u> : <u>15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6</u> inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) _____ Tan _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____ Clear _____
	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: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

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

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 60	Wis. Unique Well Number VN041
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____
3. Time spent developing well 55 min.
4. Depth of well (from top of well casing) 13 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 80 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.77</u> ft.	<u>7.3</u> ft.
Date	b. <u>08</u> / <u>01</u> / <u>2013</u>	<u>8</u> / <u>11</u> / <u>13</u>
	m m d d y y y	m m d d y y y
Time	c. <u>07</u> : <u>40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>08</u> : <u>35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6</u> inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) Tan _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) Clear _____
	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

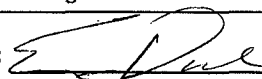
First Name: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-5	
Facility License, Permit or Monitoring Number	County Code .60	Wis. Unique Well Number VN042	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

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

3. Time spent developing well 50 min.

4. Depth of well (from top of well casing) 13 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 9 gal.

7. Volume of water removed from well 80 gal.

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

9. Source of water added _____

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

	<u>Before Development</u>	<u>After Development</u>
11. Depth to Water (from top of well casing)	a. <u>5.8</u> ft.	<u>8.88</u> ft.
Date	b. <u>08</u> / <u>01</u> / <u>2013</u>	<u>8</u> / <u>1</u> / <u>13</u>
	<small>m m d d y y y y</small>	<small>m m d d y y y y</small>
Time	c. <u>08</u> : <u>55</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>09</u> : <u>45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6</u> inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Tan</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>
	<u>High Turbidity</u>	<u>Low Turbidity</u>

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

14. Total suspended solids _____ mg/l _____ 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: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

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

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-6
Facility License, Permit or Monitoring Number	County Code 60	Wis. Unique Well Number VN043
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____
3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 13 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 9 gal.
7. Volume of water removed from well 80 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. <u>5.78</u> ft. | <u>6.73</u> ft. |
| Date | b. <u>08</u> / <u>01</u> / <u>2013</u> | <u>8</u> / <u>1</u> / <u>13</u> |
| | <small>m m d d y y y</small> | <small>m m d d y y y</small> |
| Time | c. <u>10</u> : <u>10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11</u> : <u>10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | <u>6</u> inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0
Turbid <input checked="" type="checkbox"/> 1 5
(Describe)
Tan _____ | Clear <input checked="" type="checkbox"/> 2 0
Turbid <input type="checkbox"/> 2 5
(Describe)
Clear _____ |
| | 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: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

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

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

Facility/Project Name Adell Auto Body	County Name SHEBOYGAN	Well Name MW-7	
Facility License, Permit or Monitoring Number	County Code .60	Wis. Unique Well Number VN044	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other
3. Time spent developing well 45 min.
4. Depth of well (from top of well casing) 14 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 10.5 gal.
7. Volume of water removed from well 40 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|--|---|
| 11. Depth to Water (from top of well casing) | a. <u>5.46</u> ft. | <u>5.6</u> ft. |
| Date | b. <u>07</u> / <u>31</u> / <u>2013</u> | <u>7</u> / <u>31</u> / <u>2013</u> |
| | <small>m m d d y y y</small> | <small>m m d d y y y</small> |
| Time | c. <u>10</u> : <u>30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11</u> : <u>15</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 1 0
Turbid <input checked="" type="checkbox"/> 1 5
(Describe) <u>Gray</u> | Clear <input checked="" type="checkbox"/> 2 0
Turbid <input type="checkbox"/> 2 5
(Describe) <u>Clear</u> |
| | 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: Rod Last Name: Deckert

Facility/Firm: Adell Auto Body

Street: 610 Wisconsin Street

City/State/Zip: Adell WI 53001-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

Notice: 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 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 the instructions for more information.

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

(1) GENERAL INFORMATION			(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name	
		SHEBOYGAN	Adell Auto Body	
Common Well Name <u>G-12</u> Gov't Lot (if applicable)			Facility ID	License/Permit/Monitoring No.
<u>NE</u> 1/4 of <u>SW</u> 1/4 of Sec. <u>2</u> ; T. <u>13</u> N; R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Street Address of Well	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			610 Wisconsin Street	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			City, Village, or Town	
Lat. <u>43</u> ° <u>37</u> ' <u>12</u> " Long <u>87</u> ° <u>57</u> ' <u>5</u> " or			Adell	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Present Well Owner	Original Owner
Reason For Abandonment			Rod Deckert	
Sampling complete			Street Address or Route of Owner	
WI Unique Well No. of Replacement Well _____			610 Wisconsin Street	
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			City, State, Zip Code	
Original Construction Date <u>7/31/13</u>			Adell WI 53001-	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole			Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>			Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____			Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input checked="" type="checkbox"/> Bentonite Chips	
Lower Drillhole Diameter (in.) <u>2</u>				
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet				
Depth to Water (Feet) <u>8</u>				

(5) Material Used To Fill Well/Drillhole	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			Mix Ratio or Mud Weight
	From (Ft.)	To (Ft.)	Pounds	
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		Date of Abandonment	
Eric Dahl/METCO		7/31/13	
Signature of Person Doing Work		Date Signed	
		9/5/13	
Street or Route		Telephone Number	
709 Gillette Street, Suite 3		(608) 781-8879	
City, State, Zip Code			
La Crosse WI		54603-	

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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 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 the instructions for more information.

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

(1) GENERAL INFORMATION			(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHEBOYGAN	Facility Name Adell Auto Body	
Common Well Name <u>G-13</u> Gov't Lot (If applicable)			Facility ID	License/Permit/Monitoring No.
Grid Location <u>NE</u> 1/4 of <u>SW</u> 1/4 of Sec. <u>2</u> ; T. <u>13</u> N; R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			Street Address of Well 610 Wisconsin Street	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			City, Village, or Town Adell	
Lat. <u>43</u> ° <u>37</u> ' <u>12</u> . " Long <u>87</u> ° <u>57</u> ' <u>5</u> . " or			Present Well Owner Rod Deckert	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Street Address or Route of Owner 610 Wisconsin Street	
Reason For Abandonment Sampling complete		WI Unique Well No. of Replacement Well _____	City, State, Zip Code Adell WI 53001-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>7/31/13</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>2</u>		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to Water (Feet) <u>8</u>		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity	
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " <input checked="" type="checkbox"/> Bentonite Chips		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> 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		Date of Abandonment	
Eric Dahl/METCO		7/31/13	
Signature of Person Doing Work		Date Signed	
<i>[Signature]</i>		9/5/13	
Street or Route		Telephone Number	
709 Gillette Street, Suite 3		(608) 781-8879	
City, State, Zip Code			
La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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 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 the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHEBOYGAN	
Common Well Name <u>G-14</u> Gov't Lot (If applicable) _____		Facility Name Adell Auto Body	Facility ID _____
<u>NE</u> 1/4 of <u>SW</u> 1/4 of Sec. <u>2</u> ; T. <u>13</u> N; R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		License/Permit/Monitoring No. _____	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street Address of Well 610 Wisconsin Street	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town Adell	
Lat. <u>43</u> ° <u>37</u> ' <u>12</u> " Long <u>87</u> ° <u>57</u> ' <u>5</u> " or _____		Present Well Owner Rod Deckert	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Original Owner _____	
Reason For Abandonment Sampling complete		Street Address or Route of Owner 610 Wisconsin Street	
WI Unique Well No. _____ of Replacement Well _____		City, State, Zip Code Adell WI 53001-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>7/31/13</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type:		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) <u>2</u>		<input type="checkbox"/> Neat Cement Grout	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Concrete	
Depth to Water (Feet) <u>8</u>		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input checked="" type="checkbox"/> Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> 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		Date of Abandonment	
Eric Dahl/METCO		7/31/13	
Signature of Person Doing Work		Date Signed	
		9/5/13	
Street or Route		Telephone Number	
709 Gillette Street, Suite 3		(608) 781-8879	
City, State, Zip Code			
La Crosse WI 54603-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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 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 the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County SHEBOYGAN	
Common Well Name <u>G-15</u> Gov't Lot (If applicable) _____		Facility Name Adell Auto Body	
Grid Location <u>NE</u> 1/4 of <u>SW</u> 1/4 of Sec. <u>2</u> ; T. <u>13</u> N; R. <u>21</u> E _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Facility ID _____ License/Permit/Monitoring No. _____	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Street Address of Well 610 Wisconsin Street	
Lat. <u>43</u> ° <u>37</u> ' <u>12</u> " Long <u>87</u> ° <u>57</u> ' <u>5</u> " or _____ or _____		City, Village, or Town Adell	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Present Well Owner Rod Deckert	
Reason For Abandonment Sampling complete		Original Owner _____	
WI Unique Well No. _____ of Replacement Well _____		Street Address or Route of Owner 610 Wisconsin Street	
		City, State, Zip Code Adell WI 53001-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date <u>7/31/13</u>	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>	Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No
Total Well Depth (ft.) <u>12</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lower Drillhole Diameter (in.) <u>2</u>	Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, To What Depth? _____ Feet	If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Depth to Water (Feet) <u>8</u>	Required Method of Placing Sealing Material
	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity
	Sealing Materials For monitoring wells and monitoring well boreholes only
	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Chips
	<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite
	<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout
	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite - Sand Slurry
	<input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite - Sand Slurry
	<input checked="" type="checkbox"/> Bentonite Chips

(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		Date of Abandonment	
<u>Eric Dahl/METCO</u>		<u>7/31/13</u>	
Signature of Person Doing Work		Date Signed	
		<u>9/5/13</u>	
Street or Route		Telephone Number	
<u>709 Gillette Street, Suite 3</u>		<u>(608) 781-8879</u>	
City, State, Zip Code			
<u>La Crosse WI 54603-</u>			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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 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 the instructions for more information.

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

(1) GENERAL INFORMATION			(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County SHEBOYGAN	Facility Name Adell Auto Body	
Common Well Name <u>G-16</u>		Gov't Lot (If applicable)	Facility ID	License/Permit/Monitoring No.
Grid Location <u>NE 1/4 of SW 1/4 of Sec. 2</u> ; T. <u>13</u> N; R. <u>21</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Street Address of Well 610 Wisconsin Street	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone	City, Village, or Town Adell	
Lat. <u>43° 37' 12"</u> Long <u>87° 57' 5"</u> or		Reason For Abandonment Sampling complete	Present Well Owner Rod Deckert	Original Owner
WI Unique Well No. of Replacement Well _____		Street Address or Route of Owner 610 Wisconsin Street		
		City, State, Zip Code Adell WI 53001-		

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>7/31/13</u>	If a Well Construction Report is available, please attach.	Pump & Piping Removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well		Liner(s) Removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well		Screen Removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing Left in Place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Construction Type:		Was Casing Cut Off Below Surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>	<input type="checkbox"/> Dug	Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Formation Type:		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material			
Total Well Depth (ft.) <u>12</u>	Casing Diameter (in.) _____	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped		
(From ground surface)	Casing Depth (ft.) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input checked="" type="checkbox"/> Other (Explain) Gravity		
Lower Drillhole Diameter (in.) <u>2</u>		Sealing Materials		For monitoring wells and monitoring well boreholes only	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If Yes, To What Depth? _____ Feet	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Bentonite Chips		
Depth to Water (Feet) <u>8</u>		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite		
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite - Cement Grout		
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	<input type="checkbox"/> Bentonite - Sand Slurry		
		<input type="checkbox"/> Bentonite-Sand Slurry " "			
		<input checked="" type="checkbox"/> Bentonite Chips			

(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 7/31/13
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 9/5/13
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

10-31

20 13

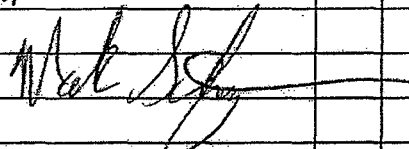
CUSTOMER

Rod Derkert % Mico
709 Gillham St
LaCrosse WI 54603

JOB NAME

Adell Auto Body

CASH CHECK # _____ IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
DATE	SHIPPED				
	1	Mobilization	1	274 -	274 -
	2	Haul soil drums to Advanced Disposal	2	103 -	206 -
	2	Haul water drums to Advanced Disposal	2	40.10	80.20
Thank You					
					
					TOTAL
					560.20

Due upon receipt of invoice.

1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE _____

81

Env. was to Disposal!
Reviewed 11/5/13
OK [unclear]

APPENDIX E/ OTHER DOCUMENTATION

LUST and Petroleum Analytical and QA Guidance
July 1993 Revision

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

Abbreviations:

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

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

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

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

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

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

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

All samples are to be cooled to 4°C until tested.
HDPE = High Density Polyethylene.

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

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

Basis: ca

-----> If web-calculator result of 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.

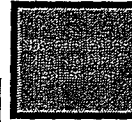
1. Enter data in yellow cells. Numeric only values under "INPUT Site Data." For ND, use detection limit. Do not type '-', 'NA' nor 'space bar.' Leave purple cells "as is."

2. After completing data entry, See Summary in Row 872.

Site Name:

Sample ID:

Contaminant	QAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-to-Exceed RCL (mg/kg)	Basis
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	0.85	0.85	ca
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc
Trimethylbenzene, 1,3,5-	108-67-8	782	-	162	Csat
Naphthalene	91-20-3	188	5.15	5.15	ca
Benzo[a]pyrene	50-32-6	-	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
Dibenz[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
Nilropyrene, 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



INPUT Site Data (mg/kg)

Comparison / Hazard Index / Cumulative Cancer Risk	Flag (Hazard Exceedance)	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Exceedance Count / Hazard Index / Cumulative Cancer Risk	0	0.00E+00	0.0E+00

Test1Chem(DRO) Wis. DRO 100
 Test2Chem(GRO) Wis. GRO 100

Type BRRS 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 HI ≤ Cumulative CR
 Count = 0 1.00E+00 ≤ 1E-05

Bottom-Line: Soil Data Entry Needed!

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

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF -->	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag = Individual Exceedance!
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				
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-ethoxypropane (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				
1,2-Dichloropropane (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				

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

Re-assess if Cr-VI present

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

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF →	2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance
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				
1,2,3-Trichloropropane	93-72-1	50	50	2.75E-02				
Trifluralin	96-18-4	-	60	2.60E-02				
Trifluralin	1582-09-8	-	7.5	2.48E-01				
Triphenylamine (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.

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 _{re} (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 _e (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

2

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

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

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

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

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

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF		Inhalation Unit Risk		Chronic RfD		Chronic RfC		GIABS	ABS	RBA
				(mg/kg-day) ⁻¹	SFO Ref	(ug/m ³) ⁻¹	IUR Ref	(mg/kg-day)	RfD Ref	(mg/m ³)	RfC Ref			
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	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[fl]fluoranthene	205-82-3	No	No	1.20E+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	1.20E+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

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

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

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

Chemical	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Ingestion SL (mg/kg) TR=1.0E-6	Dermal SL (mg/kg) TR=1.0E-6	Inhalation SL (mg/kg) TR=1.0E-6	Carcinogenic SL (mg/kg) TR=1.0E-6	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	2.32E+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-	7.11E+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	5.34E-01	1.30E+00	3.45E+04	3.78E-01	-	-	-
Benzo[a]pyrene	-	-	1.56E+09	2.04E-02	5.32E-02	1.36E+03	1.48E-02	-	-	-
Benzo[b]fluoranthene	-	-	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	-	-	-
Dibenzo[a,c]pyrene	-	-	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	-	-	1.56E+09	-	-	-	-	3.13E+03	8.59E+03	-
Fluorene	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

Resident Screening Levels (RSL) for Soil

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

Chemical	Noncarcinogenic Ingestion		Dermal	Inhalation Noncarcinogenic		Screening Level (mg/kg)
	SL Child HI=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HI=1 (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	-	2.42E+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
Methyltert-Butyl Ether (MTBE)	2.38E+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	-	-	-	-	-	3.78E-01 ca*
Benzo[a]pyrene	-	-	-	-	-	48E-02 ca*
Benzo[b]fluoranthene	-	-	-	-	-	1.48E-01 ca*
Benzo[k]fluoranthene	-	-	-	-	-	1.48E+00 ca*
Chrysene	-	-	-	-	-	1.48E+01 ca*
Dibenz[a,h]anthracene	-	-	-	-	-	48E-02 ca*
Dibenzo[a,e]pyrene	-	-	-	-	-	3.78E-02 ca*
Dimethylbenz(a)anthracene, 7,12-	-	-	-	-	-	4.31E-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	5.6E+01 ca*
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	5.15E+00 ca*

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF		Inhalation		Chronic RfD		Chronic RfC		GIABS	ABS	RBA
				(mg/kg-day) ⁻¹	SFO Ref	Unit Risk (ug/m ³) ⁻¹	IUR Ref	(mg/kg-day)	RfD Ref	(mg/m ³)	RfC Ref			
Nitropyrene, 4-	57835-92-4	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	I	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
Trichloroethane, 1,1,1-	71-55-6	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)
Nitrobenzene, 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	3.65E+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, 1,1,1-	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, 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	Noncarcinogenic Ingestion		Dermal	Inhalation Noncarcinogenic	Screening Level (mg/kg)
	SL Child HI=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	SL Adult HQ=1 (mg/kg)	
Nitropyrene, 4-	-	-	-	-	3.78E+01 ca
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04 nc
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.47E+02 ca*
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04 ca
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04 sat
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00 ca*
Trimethylbenzene, 1,2,4-	8.98E+01	-	-	8.98E+01	8.98E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03 sat
Vinyl Chloride	9.33E+01	2.19E+03	-	1.55E+02	1.45E+02 ca
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02 sat

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(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. (20f) and (20m), Register, March, 1994, No. 459, eff. 4-1-94; cr. (1s), (10e), (10s), (20k), r. and rec. (12), (13), Register, August, 1995, No. 476, eff. 9-1-95; cr. (14m), Register, October, 1996, No. 490, eff. 11-1-96; am. (20), Register, December, 1998, No. 516, eff. 1-1-99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats., Register, April, 2001, No. 544; CR 02-134: cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 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 I.

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 I as recommendations are developed pursuant to ss. 160.07, 160.13 and 160.15, Stats.

Table I
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

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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	0.00003
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

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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
Thifluralin	7.5	0.75
Trimethylbenzenes (1,2,4- and 1,3,5- combined)	480	96
Vanadium	30	6

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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

**Adell Auto Body Shop
Slug Test Calculations**

MW-1

	ft/s	cm/s	m/yr
K	9.68E-05	2.95E-03	930.46
	sq ft/s	sq cm/s	
T	5.44E-04	5.05E-01	

MW-2

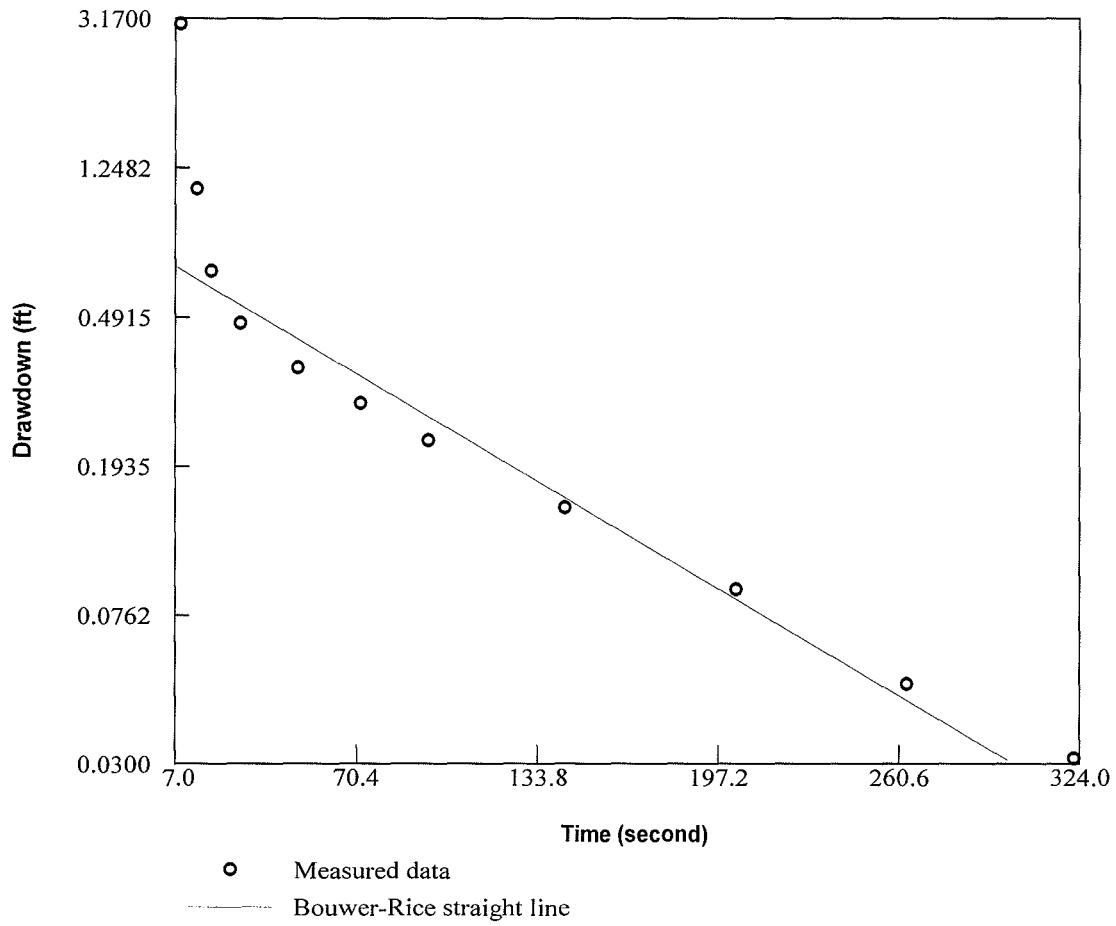
	ft/s	cm/s	m/yr
K	6.30E-05	1.92E-03	605.57
	sq ft/s	sq cm/s	
T	3.60E-04	3.34E-01	

MW-3

	ft/s	cm/s	m/yr
K	4.06E-05	1.24E-03	390.25
	sq ft/s	sq cm/s	
T	2.65E-04	2.46E-01	

Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
10/10/2013	893.20	892.30	49	0.0183673
1/15/2014	894.00	893.90	39	0.0025641
Average				0.0104657

	K (m/yr)	I	n	Flow Velocity (m/yr)
MW-1	930.46	0.0104657	0.3	32.45972
MW-2	605.57	0.0104657	0.4	15.84428
MW-3	390.25	0.0104657	0.4	10.21060



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	9.68e-005
Transmissivity (sq ft/s):	5.44e-004

Adell Auto Body Shop MW-1

Adell Auto Body Shop
MW-1 Slug-Out

SE20 0
Environmental Logger
01/01 0 0:39

Unit# 281 Test 13

Setups: INPUT 1

Type Level (F)
Mode TOC
I.D.

Reference 7.38
PSI at Ref. 7.62
SG 1
Linearity 0
Scale factor 16
Offset 4
Delay mSE 50

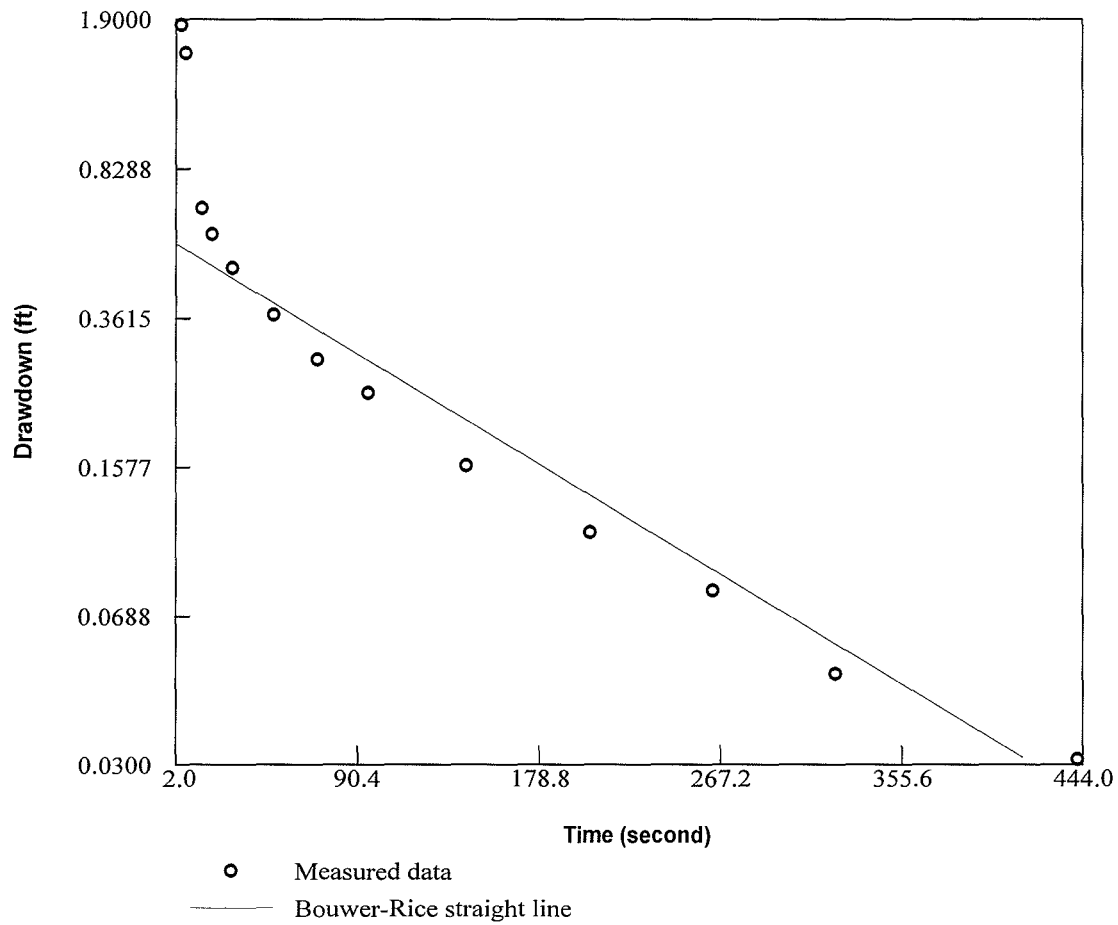
Step 0 01/ 5:05:19

Elapsed Time INPUT 1 Time (s) Drawdown

0 7.33 0 -0.05
0.01 7.33 0.5 -0.05
0.02 7.33 1 -0.05
0.03 7.33 1.5 -0.05
0.03 7.33 2 -0.05
0.04 7.33 2.5 -0.05
0.05 7.33 3 -0.05
0.06 7.32 3.5 -0.06
0.07 7.33 4 -0.05
0.08 7.33 4.5 -0.05
0.08 7.32 5 -0.06
0.09 7.33 5.5 -0.05
0.1 7.33 6 -0.05
0.11 7.33 6.5 -0.05
0.12 10.55 7 3.17
0.13 11.9 7.5 4.52
0.13 10.6 8 3.22
0.14 10.34 8.5 2.96
0.15 10.14 9 2.76
0.16 9.95 9.5 2.57
0.17 9.77 10 2.39
0.18 9.61 10.5 2.23
0.18 9.45 11 2.07
0.19 9.3 11.5 1.92
0.2 9.16 12 1.78
0.21 9.04 12.5 1.66
0.22 8.91 13 1.53
0.23 8.8 13.5 1.42
0.23 8.69 14 1.31
0.24 8.59 14.5 1.21
0.25 8.49 15 1.11
0.26 8.41 15.5 1.03
0.27 8.33 16 0.95

0.28	8.27	16.5	0.89
0.28	8.21	17	0.83
0.29	8.17	17.5	0.79
0.3	8.13	18	0.75
0.31	8.1	18.5	0.72
0.32	8.08	19	0.7
0.33	8.06	19.5	0.68
0.33	8.04	20	0.66
0.35	8.01	21	0.63
0.37	7.99	22	0.61
0.38	7.97	23	0.59
0.4	7.95	24	0.57
0.42	7.93	25	0.55
0.43	7.92	26	0.54
0.45	7.9	27	0.52
0.47	7.89	28	0.51
0.48	7.87	29	0.49
0.5	7.86	30	0.48
0.52	7.86	31	0.48
0.53	7.85	32	0.47
0.55	7.84	33	0.46
0.57	7.83	34	0.45
0.58	7.82	35	0.44
0.6	7.82	36	0.44
0.62	7.81	37	0.43
0.63	7.81	38	0.43
0.65	7.8	39	0.42
0.67	7.8	40	0.42
0.68	7.79	41	0.41
0.7	7.78	42	0.4
0.72	7.78	43	0.4
0.73	7.77	44	0.39
0.75	7.77	45	0.39
0.77	7.76	46	0.38
0.78	7.76	47	0.38
0.8	7.75	48	0.37
0.82	7.75	49	0.37
0.83	7.74	50	0.36
0.85	7.74	51	0.36
0.87	7.74	52	0.36
0.88	7.73	53	0.35
0.9	7.73	54	0.35
0.92	7.72	55	0.34
0.93	7.72	56	0.34
0.95	7.72	57	0.34
0.97	7.71	58	0.33
0.98	7.71	59	0.33
1	7.71	60	0.33
1.2	7.67	72	0.29
1.4	7.63	84	0.25
1.6	7.61	96	0.23
1.8	7.59	108	0.21
2	7.57	120	0.19
2.2	7.55	132	0.17
2.4	7.53	144	0.15
2.6	7.52	156	0.14
2.8	7.51	168	0.13
3	7.5	180	0.12
3.2	7.49	192	0.11
3.4	7.48	204	0.09

3.6	7.47	216	0.08
3.8	7.46	228	0.08
4	7.45	240	0.07
4.2	7.45	252	0.07
4.4	7.44	264	0.05
4.6	7.43	276	0.05
4.8	7.43	288	0.04
5	7.42	300	0.04
5.2	7.42	312	0.04
5.4	7.41	324	0.03
5.6	7.41	336	0.03
5.8	7.4	348	0.02
6	7.4	360	0.02
6.2	7.4	372	0.01
6.4	7.4	384	0.01
6.6	7.39	396	0.01
6.8	7.39	408	0.01
7	7.39	420	0
7.2	7.39	432	0
7.4	7.39	444	0
7.6	7.38	456	0
7.8	7.37	468	-0.01
8	7.37	480	-0.01
8.2	7.37	492	-0.01
8.4	7.37	504	-0.01
8.6	7.37	516	-0.01
8.8	7.37	528	-0.01
9	7.36	540	-0.02
9.2	7.36	552	-0.02
9.4	7.36	564	-0.02
9.6	7.36	576	-0.02
9.8	7.36	588	-0.02
10	7.36	600	-0.02
11	7.36	660	-0.02
12	7.36	720	-0.02
13	7.37	780	-0.01
14	7.37	840	-0.01
15	7.37	900	-0.01



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	6.30e-005
Transmissivity (sq ft/s):	3.60e-004

Adell Auto Body Shop MW-2

Adell Auto Body Shop
MW-2 Slug-Out

ÿ
SE20 0
Environmental Logger
01/01 0 0:29

Unit# 281 Test 17

Setups: INPUT 1

Type Level (F)
Mode TOC
I.D.

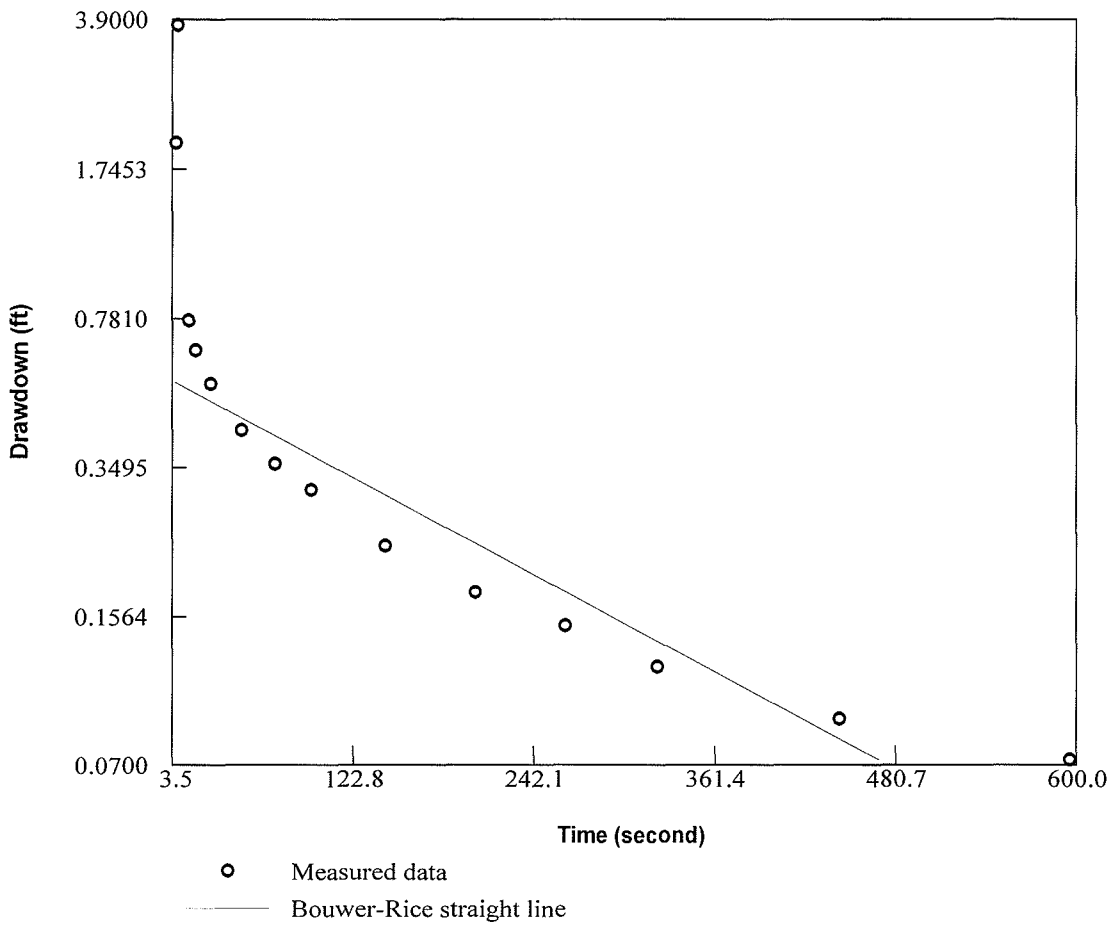
Reference 7.29
PSI at Ref. 7.72
SG 1
Linearity 0
Scale facto 16
Offset 4
Delay mSE 50

Step 0 01/ 6:03:03

Elapsed Time	INPUT 1	Time (s)	Drawdown
0	7.32	0	0.03
0.01	7.32	0.5	0.03
0.02	7.32	1	0.03
0.03	7.32	1.5	0.03
0.03	9.19	2	1.9
0.04	9.28	2.5	1.99
0.05	10.81	3	3.52
0.06	10.51	3.5	3.22
0.07	10.18	4	2.89
0.08	9.95	4.5	2.66
0.08	9.69	5	2.4
0.09	9.46	5.5	2.17
0.1	9.27	6	1.98
0.11	9.06	6.5	1.77
0.12	8.87	7	1.58
0.13	8.7	7.5	1.41
0.13	8.57	8	1.28
0.14	8.45	8.5	1.16
0.15	8.35	9	1.06
0.16	8.26	9.5	0.97
0.17	8.2	10	0.91
0.18	8.15	10.5	0.86
0.18	8.11	11	0.82
0.19	8.08	11.5	0.79
0.2	8.06	12	0.77
0.21	8.03	12.5	0.74
0.22	8.02	13	0.73
0.23	8	13.5	0.71
0.23	7.98	14	0.69
0.24	7.97	14.5	0.68
0.25	7.96	15	0.67
0.26	7.95	15.5	0.66

0.27	7.94	16	0.65
0.28	7.93	16.5	0.64
0.28	7.92	17	0.63
0.29	7.91	17.5	0.62
0.3	7.9	18	0.61
0.31	7.89	18.5	0.6
0.32	7.89	19	0.6
0.33	7.88	19.5	0.59
0.33	7.87	20	0.58
0.35	7.86	21	0.57
0.37	7.85	22	0.56
0.38	7.84	23	0.55
0.4	7.83	24	0.54
0.42	7.82	25	0.53
0.43	7.81	26	0.52
0.45	7.8	27	0.51
0.47	7.79	28	0.5
0.48	7.78	29	0.49
0.5	7.77	30	0.48
0.52	7.77	31	0.48
0.53	7.76	32	0.47
0.55	7.75	33	0.46
0.57	7.74	34	0.45
0.58	7.74	35	0.45
0.6	7.73	36	0.44
0.62	7.73	37	0.44
0.63	7.72	38	0.43
0.65	7.71	39	0.42
0.67	7.71	40	0.42
0.68	7.7	41	0.41
0.7	7.7	42	0.41
0.72	7.69	43	0.4
0.73	7.69	44	0.4
0.75	7.68	45	0.39
0.77	7.68	46	0.39
0.78	7.67	47	0.38
0.8	7.67	48	0.38
0.82	7.66	49	0.37
0.83	7.66	50	0.37
0.85	7.65	51	0.36
0.87	7.65	52	0.36
0.88	7.65	53	0.36
0.9	7.64	54	0.35
0.92	7.64	55	0.35
0.93	7.63	56	0.34
0.95	7.63	57	0.34
0.97	7.63	58	0.34
0.98	7.62	59	0.33
1	7.62	60	0.33
1.2	7.58	72	0.29
1.4	7.55	84	0.26
1.6	7.53	96	0.24
1.8	7.5	108	0.21
2	7.49	120	0.2
2.2	7.47	132	0.18
2.4	7.45	144	0.16
2.6	7.44	156	0.15
2.8	7.43	168	0.14
3	7.42	180	0.13
3.2	7.41	192	0.12

3.4	7.4	204	0.11
3.6	7.39	216	0.1
3.8	7.38	228	0.09
4	7.38	240	0.08
4.2	7.37	252	0.08
4.4	7.37	264	0.08
4.6	7.36	276	0.07
4.8	7.36	288	0.07
5	7.35	300	0.06
5.2	7.35	312	0.05
5.4	7.34	324	0.05
5.6	7.34	336	0.05
5.8	7.34	348	0.04
6	7.34	360	0.04
6.2	7.33	372	0.04
6.4	7.33	384	0.04
6.6	7.33	396	0.04
6.8	7.32	408	0.03
7	7.32	420	0.03
7.2	7.32	432	0.03
7.4	7.32	444	0.03
7.6	7.31	456	0.02
7.8	7.31	468	0.02
8	7.31	480	0.02
8.2	7.31	492	0.02
8.4	7.31	504	0.01
8.6	7.31	516	0.01
8.8	7.31	528	0.01
9	7.3	540	0.01
9.2	7.3	552	0
9.4	7.3	564	0
9.6	7.3	576	0
9.8	7.29	588	0
10	7.29	600	0
11	7.29	660	0



Aquifer Parameters by the Bouwer and Rice Slug Test

Hydraulic Conductivity (ft/s):	4.06e-005
Transmissivity (sq ft/s):	2.65e-004

Adell Auto Body Shop MW-3

Adell Auto Body Shop
 MW-3 Slug-Out

SE20 0
 Environmental Logger
 01/01 0 0:50

Unit# 281 Test 7

Setups: INPUT 1

 Type Level (F)
 Mode TOC
 I.D.

Reference 6.47
 PSI at Ref. 8.68
 SG 1
 Linearity 0
 Scale facto 16
 Offset 4
 Delay mSE 50

Step 0 01/ 3:17:18

Elapsed Time	INPUT 1	Time (s)	Drawdown
0	6.43	0	-0.04
0.01	6.43	0.5	-0.04
0.02	6.43	1	-0.04
0.03	6.43	1.5	-0.04
0.03	6.43	2	-0.04
0.04	7.95	2.5	1.48
0.05	8.24	3	1.77
0.06	10.37	3.5	3.9
0.07	9.63	4	3.16
0.08	9.31	4.5	2.84
0.08	9.2	5	2.73
0.09	9.03	5.5	2.56
0.1	8.84	6	2.37
0.11	8.67	6.5	2.2
0.12	8.49	7	2.02
0.13	8.34	7.5	1.87
0.13	8.19	8	1.72
0.14	8.05	8.5	1.58
0.15	7.92	9	1.45
0.16	7.81	9.5	1.34
0.17	7.71	10	1.24
0.18	7.62	10.5	1.15
0.18	7.54	11	1.07
0.19	7.48	11.5	1.01
0.2	7.43	12	0.96
0.21	7.39	12.5	0.92
0.22	7.35	13	0.88
0.23	7.32	13.5	0.85
0.23	7.29	14	0.82
0.24	7.27	14.5	0.8
0.25	7.25	15	0.78
0.26	7.23	15.5	0.76

0.27	7.22	16	0.75
0.28	7.2	16.5	0.73
0.28	7.19	17	0.72
0.29	7.18	17.5	0.71
0.3	7.17	18	0.7
0.31	7.16	18.5	0.69
0.32	7.15	19	0.68
0.33	7.14	19.5	0.67
0.33	7.13	20	0.66
0.35	7.12	21	0.65
0.37	7.1	22	0.63
0.38	7.09	23	0.62
0.4	7.07	24	0.6
0.42	7.06	25	0.59
0.43	7.05	26	0.58
0.45	7.04	27	0.57
0.47	7.03	28	0.56
0.48	7.03	29	0.56
0.5	7.02	30	0.55
0.52	7.01	31	0.54
0.53	7	32	0.53
0.55	6.99	33	0.52
0.57	6.98	34	0.51
0.58	6.98	35	0.51
0.6	6.97	36	0.5
0.62	6.96	37	0.49
0.63	6.96	38	0.49
0.65	6.95	39	0.48
0.67	6.95	40	0.48
0.68	6.94	41	0.47
0.7	6.94	42	0.47
0.72	6.93	43	0.46
0.73	6.93	44	0.46
0.75	6.92	45	0.45
0.77	6.92	46	0.45
0.78	6.92	47	0.45
0.8	6.91	48	0.44
0.82	6.91	49	0.44
0.83	6.9	50	0.43
0.85	6.9	51	0.43
0.87	6.9	52	0.43
0.88	6.89	53	0.42
0.9	6.89	54	0.42
0.92	6.88	55	0.41
0.93	6.88	56	0.41
0.95	6.88	57	0.41
0.97	6.87	58	0.4
0.98	6.87	59	0.4
1	6.87	60	0.4
1.2	6.83	72	0.36
1.4	6.8	84	0.33
1.6	6.78	96	0.31
1.8	6.76	108	0.29
2	6.74	120	0.27
2.2	6.72	132	0.25
2.4	6.7	144	0.23
2.6	6.69	156	0.22
2.8	6.68	168	0.21
3	6.67	180	0.2
3.2	6.66	192	0.19

3.4	6.65	204	0.18
3.6	6.64	216	0.17
3.8	6.64	228	0.17
4	6.63	240	0.16
4.2	6.62	252	0.15
4.4	6.62	264	0.15
4.6	6.61	276	0.14
4.8	6.6	288	0.13
5	6.6	300	0.13
5.2	6.6	312	0.13
5.4	6.59	324	0.12
5.6	6.59	336	0.12
5.8	6.58	348	0.11
6	6.58	360	0.11
6.2	6.58	372	0.11
6.4	6.57	384	0.1
6.6	6.57	396	0.1
6.8	6.57	408	0.1
7	6.57	420	0.1
7.2	6.56	432	0.09
7.4	6.56	444	0.09
7.6	6.56	456	0.09
7.8	6.56	468	0.08
8	6.56	480	0.08
8.2	6.55	492	0.08
8.4	6.56	504	0.08
8.6	6.55	516	0.08
8.8	6.55	528	0.08
9	6.55	540	0.08
9.2	6.55	552	0.08
9.4	6.55	564	0.08
9.6	6.54	576	0.07
9.8	6.54	588	0.07
10	6.54	600	0.07
11	6.54	660	0.07
12	6.53	720	0.06
13	6.53	780	0.06
14	6.52	840	0.05
15	6.52	900	0.05
16	6.52	960	0.05
17	6.52	1020	0.04
18	6.52	1080	0.04
19	6.51	1140	0.04
20	6.51	1200	0.04
21	6.51	1260	0.04
22	6.51	1320	0.04
23	6.51	1380	0.04
24	6.51	1440	0.04
25	6.5	1500	0.03

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

**Site Investigation - METCO
Adell Auto Body Shop**

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.

**Site Investigation - METCO
Adell Auto Body Shop**

Jason T. Powell

Professional Title

- Staff Scientist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as a Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); remedial projects (sampling, pilot tests, system operation/maintenance) and project management.

**Site Investigation - METCO
Adell Auto Body Shop**

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.

**Site Investigation - METCO
Adell Auto Body Shop**

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

Post-Graduate Education

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

**Site Investigation - METCO
Adell Auto Body Shop**

Brandon A. Walker

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1052577).

Education

Includes B.S. in Geography and a minor in Environmental Studies from the University of Wisconsin- La Crosse. Applicable courses successfully completed include Water Resources, Ecology, Climate Systems, Earth Science, Zoology, Fundamentals of Cartography, Interpretation of Aerial Photography, Global Issues, Urban Geography, Environmental Sociology, and Environmental Studies.

Work Experience

With METCO since April 2007 as a Staff Scientist. Duties have included: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

**Site Investigation - METCO
Adell Auto Body Shop**

Matt Michalski

Professional Title

- Staff Scientist

Credentials

- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (# 1228116).

Education

Includes B.S. in Geography with and Earth Science minor from University of Wisconsin – La Crosse: Applicable courses successfully completed include Geographic Field Methods, Water Resources, Environmental Hazards and Land Use, and Advanced Map Design.

Work Experience

With METCO since August 2012 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

**Site Investigation Report - METCO
Adell Auto Body Shop**

APPENDIX G/ STANDARD OF CARE

**Site Investigation Report - METCO
Adell Auto Body Shop**

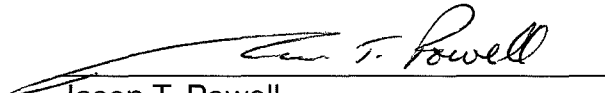
STANDARD OF CARE

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

4/30/14

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

4/30/14

Date