Site Investigation Report

Krivanek Property
N3475 County Highway M
Packwaukee, Wisconsin

January 21, 2014
by METCO
WDNR File Reference #: 03-39-001727
PECFA Claim #: 53953-9999-75

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This document was prepared by:

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January 21, 2013

WDNR BRRTS#: 03-39-001727
PECFA Claim #: 53953-9999-75

James Barker
644 Evergreen Drive
Grand Marsh, WI 53936

Dear Mr. Barker,

Enclosed is our "Site Investigation Report" concerning the Krivanek Property site in Packwaukee, Wisconsin. This report presents the complete data from all investigation activities.

Due to soil contamination in the area of Geoprobe boring G-3 exceeding the NR720 direct contact residual contamination levels for PAH compounds, the WDNR will likely require that the soil be addressed by soil excavation or a soil performance standard. Also, due to the presence of NR140 ES exceedances in two of the wells (MW-1 and -5) and PAL exceedance in down-gradient monitoring well MW-6, additional groundwater monitoring will likely be required by the state to move this site toward closure. If the state concurs, please contact METCO to discuss workscope and budget.

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 Sturm – WDNR
Gena Larson – WDNR

EXECUTIVE SUMMARY

A gas station/service garage operated on the subject property until the early 1970's. After Highway 51 was re-routed, the gas station closed and Mr. Krivanek continued to use the UST's for fueling his business vehicles. The UST's remained in use until 1992.

On November 5, 1992, Marell Inc. of Hillsboro removed a 1,000-gallon diesel UST, a 1,500-gallon gasoline UST, and a 500-gallon gasoline UST from the subject property. During the UST removal, one soil sample was collected beneath the 1,000-gallon diesel UST for DRO analysis. The soil analytical results showed 690 ppm DRO. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be conducted.

On December 10, 2002, MSA completed seven Geoprobe borings at the subject property during a preliminary site investigation. The Geoprobe borings were advanced to 8 feet with continuous soil samples collected for PID analysis. One soil sample was collected from each boring just above the watertable for DRO, GRO, and PVOC analysis. Groundwater samples were collected from five of the borings for PVOC analysis. The laboratory results confirmed that petroleum products had impacted the local soil and groundwater.

The Tank Closure Site Assessment, Geoprobe/Drilling Projects, and five 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 interbedded layers of sand, silt, and clay. Bedrock was not encountered during the site investigation, but sandstone bedrock is estimated to exist at approximately 200 feet below ground surface. Groundwater exists at depths ranging from 2.28 to 9.11 feet below ground surface and the local horizontal groundwater flow is generally towards the east-northeast.
- The area of unsaturated soil contamination, which exceeds the NR720 groundwater and/or direct contact RCLs, appears to measure approximately 12 feet wide, up to 14 feet long, and up to 3.5 feet thick (depth to groundwater). It should be noted that only one unsaturated soil sample showed any NR720 exceedances of the groundwater and/or direct contact RCLs (PAH and Lead).
- 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 east-northeast. This plume is at least 190 feet long and 75 feet wide.
- Based on the most recent groundwater analytical results, two of the monitoring wells (MW-1 and -5) showed NR140 ES exceedances.

Monitoring well MW-6 did show an ES exceedance during the October 2012 sampling event for Benzene (15.8 ppb), however decreased to show a PAL exceedance for Benzene the three most recent sampling events. Five monitoring wells (MW-2, -3, -4, -7, and -8) currently show "no detects" for any contaminants of concern.

- Based on the receptor survey, there appears to be no risk associated with vapor intrusion, municipal water supply wells or surface waters from this site, except it does appear that the on-site and down-gradient (N3591 Cty Rd M) private potable wells can be considered at risk. However, the wells have shown no detects during any of the sampling events.

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

Due to soil contamination in the area of Geoprobe boring G-3 exceeding the NR720 direct contact residual contamination levels for PAH compounds, the WDNR will likely require that the soil be addressed by soil excavation or a soil performance standard. Also, due to the presence of NR140 ES exceedances in two of the wells (MW-1 and -5) and PAL exceedance in down-gradient monitoring well MW-6 , additional groundwater monitoring will likely be required by the state to move this site toward closure. If the state concurs, please contact METCO to discuss workscope and budget.

TABLE OF CONTENTS

Table of Contents

1.0 INTRODUCTION AND BACKGROUND

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

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

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

1.1 Responsible Party Information

James Barker
644 Evergreen Drive
Grand Marsh, WI 53936
(608) 572-1079

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) 235-2600

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

Soil Essentials
P.O. Box 959
New Glarus, WI 53574
(608) 527-2794

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

1.3 Site Location

Site address:
N3475 County Highway M
Packwaukee, WI 53953

Latitude and Longitude:
43° 45' 58" N and 89° 27' 59" W

WTM Coordinates:
562954, 366035

Township/Range:
NE ¼, SE ¼, Section 19, Township 15 North, Range 9 East, Marquette County

1.4 Site History

A gas station/service garage operated on the subject property until the early 1970's. After Highway 51 was re-routed, the gas station closed and Mr. Krivanek used the UST's for fueling his business vehicles. The UST's remained in use until 1992.

It is not known when the gas station first opened. An aerial photo from 1938 shows that the property was farmland at that time. The gas station was built sometime afterward, most likely in the 1940's or 1950's.

On November 5, 1992, Marell Inc. of Hillsboro removed a 1,000-gallon diesel UST, a 1,500-gallon gasoline UST, and a 500-gallon gasoline UST from the subject property. During the UST removal, one soil sample was collected beneath the 1,000-gallon diesel UST for DRO analysis. The soil analytical results showed 690 ppm DRO. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be conducted.

On December 10, 2002, MSA completed seven Geoprobe borings at the subject property during a preliminary site investigation. The Geoprobe borings were advanced to 8 feet with continuous soil samples collected for PID analysis. One soil sample was collected from each boring just above the watertable for DRO, GRO, and PVOC analysis. Groundwater samples were collected from five of the borings for PVOC analysis. The laboratory results confirmed that petroleum products had impacted the local soil and groundwater.

The nearest known LUST site is the Packwaukee Building Supply site (BRRTS # 03-39-002258), which is located approximately 2,000 feet to the southeast. This site does not appear to be close enough to be impacting or impacted by the subject property.

2.0 GEOLOGY AND RECEPTORS

2.1 Regional and Local Geology and Hydrogeology

Topography and Regional Setting

According to the USGS Hydrologic Atlas, Packwaukee is located in the southern portion of the Fox-Wolf River Basin. This area is characterized by relatively flat plains with some generally north-south ridges. The topography and drainage of this area is controlled by the topography of the bedrock surface, and modified by glacial erosion and deposition.

The elevation of the site is approximately 780 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 of the following in downward stratigraphic order:

- From surface to depths ranging from 9 to 11.5 feet below ground surface (bgs) exists a light brown to tan to gray very fine to medium grained sand, except in soil boring MW-8 which consisted of tan very fine to medium grained sand from ground surface to 13.5 feet bgs (end of boring).
- A light brown to gray silt to clay to sandy clay was encountered to depths ranging from 11.5 to 13.5 feet bgs in all borings except MW-8.
- In the area of monitoring wells MW-6 and MW-7 a tan very fine to medium grained sand was encountered at depths ranging from 11.5 to 13.5 feet bgs.
- Bedrock was not encountered during the site investigation, but sandstone bedrock is estimated to exist at approximately 200 feet below ground surface.

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

No other characteristics concerning the local sediments such as structures,

voids, layering, lenses or secondary permeability are documented at this time.

Hydrogeology

According to data collected from the monitoring wells, the depth to groundwater ranges from 2.28 to 9.11 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 is generally toward the east-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

Regarding vapor intrusion, it does not appear that soil or groundwater contamination extends underneath any structures. No vapor risks appear to be a concern at this site.

The NR140 enforcement standard contaminant plume in groundwater does exists in the area of several utility corridors (telephone and fiber optic). Although the backfill of the utility corridors are unknown, it is assumed that they are backfilled with native soils. The depth at which these utility corridors exist are unknown as well, but are likely less than three feet below ground surface. Based on the above information and field analysis of soil samples from Geoprobe boring G-7 it does not appear that the utility corridors are acting as a preferential migration pathway for contamination.

Municipal and Private Water Supply Wells

A private well supplies the subject property with potable water. The private well is located in the northwest corner inside the house, which is approximately 90 feet to the southwest of the former UST systems (up-gradient).

The surrounding properties are all served by private potable wells. The location of the private potable well for the adjacent property (N3469 County Highway M) to the south of the subject property could not be located as the property owner refused to disclose its location. However, this property and the other properties to the north and south appear to be up/side-gradient of the contamination plume. The nearest down-gradient private potable well exits approximately 400 feet to the northeast of the removed UST systems.

Surface Waters

The nearest surface water is Buffalo Lake, which exists approximately 2,000 feet to the southeast 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) On December 10, 2002, MSA Professional Services supervised the completion of seven Geoprobe borings (B-1 through B-7) to 8 feet below ground surface (bgs). Twenty-eight soil samples were collected for field and/or laboratory analysis.
2) On August 19, 2011, METCO prepared a LUST Investigation Field Procedures Workplan.
3) On October 18 & 19, 2011, METCO supervised the completion of ten Geoprobe borings (G-1 through G-10) to depths ranging from 10 to 13.5. Twenty soil samples and ten groundwater samples were collected for field and/or laboratory analysis. METCO also supervised the installation of five monitoring wells (MW-1 through MW-5). Two additional soil samples were collected for field analysis.
4) On November 28, 2011,DKS Construction Services, Inc picked up and properly disposed of three drums of soil cuttings and two drums of purge water.
5) On February 7, 2012, METCO personnel collected groundwater samples from the five monitoring wells and the on-site private potable well for field and laboratory analysis (Round 1). METCO also conducted slug tests on monitoring wells MW-1, MW-2, and MW-5. During the groundwater sampling event, Fauerbach Surveying & Engineering surveyed the monitoring wells to feet mean sea level.
6) On September 11, 2012, METCO supervised the completion of three soil borings and installation of three monitoring wells (MW-6 thru MW-8). Nine soil samples were collected for field analysis. Upon completion, the wells were properly developed. During the Drilling project, METCO personnel conducted a potable well reconnaissance.
7) On October 3, 2012, METCO personnel collected groundwater samples from the eight monitoring wells and two private potable wells for field and laboratory analysis (Round 2). During the groundwater sampling event monitoring wells MW-6, MW-7, and MW-8 were surveyed to feet mean sea

level.

8) On March 27, 2013, METCO personnel collected groundwater samples from the eight monitoring wells and two private potable wells for field and laboratory analysis (Round 3).
9) On June 27, 2013, METCO personnel collected groundwater samples from the eight monitoring wells and two private potable wells for field and laboratory analysis (Round 4).
10) On August 12, 2013, DKS Transport Services, LLC picked up and properly disposed of one drum of soil cuttings.
11) On October 1, 2013, METCO personnel collected groundwater samples from the eight monitoring wells and two private potable wells for field and laboratory analysis (Round 5).

Site Access Problems

The location of the private potable well for the adjacent property (N3469 County Highway M) to the south of the subject property could not be located as the property owner refused to disclose its location.

No other site access problems were encountered during the site investigation.

Analytical Methods

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

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

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

3.2 Data Discussion

Soil Sampling Data

On November 05, 1992, during the UST removal project, one soil sample was collected from under the removed 1,000-gallon diesel UST and submitted for laboratory analysis (DRO).

On December 10, 2002, Soil Essentials of New Glarus, WI conducted a

Geoprobe project under the direction and supervision of MSA Professional Services. Seven Geoprobe borings were advanced to eight feet below ground surface (bgs) with twenty-eight soil samples collected for field analysis. Five soil samples were submitted for laboratory analysis (DRO, GRO, and PVOC).

On October 18, 2011, Soil Essentials of New Glarus, WI conducted a Geoprobe and Drilling project under the direction and supervision of METCO personnel. Ten Geoprobe borings were advanced to 10 feet bgs with twenty soil samples collected for field analysis and five soil borings were completed to 13.5 feet bgs with two soil samples collected for field analysis. Eleven soil samples were submitted for laboratory analysis (DRO, GRO, Lead, PAH, VOC and/or PVOC+Naphthalene).

On September 11, 2012, Soil Essentials of New Glarus, WI conducted a Drilling project under the direction and supervision of METCO personnel. Three soil borings were completed to 13.5 feet bgs with nine soil samples collected for field analysis. (PID)

Soil analytical results are summarized in the Pre-remedial Soil Analytical Tables with exceedances of the NR720 groundwater and/or direct contact RCL's noted.

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

Groundwater Sampling Data

On December 10, 2002, during the Geoprobe project, MSA Professional Services collected groundwater samples from five of the Geoprobe borings (B-1, B-3, B-4, B-5, B-6) for laboratory analysis (PVOC).

On October 18, 2011, during the Geoprobe project, METCO collected one groundwater sample from each of the ten Geoprobe borings for laboratory analysis (PVOC + Naphthalene). During the drilling project, five monitoring wells were installed and subsequently developed (MW-1 through MW-5).

On February 7, 2012, METCO personnel collected groundwater samples from the five monitoring wells for laboratory analysis (VOC, PAH, Dissolved Lead, Dissolved Iron, Nitrate/Nitrite, Sulfate, and Dissolved Manganese).

On September 11, 2012, during the Drilling project, three monitoring wells were installed and subsequently developed (MW-6, MW-7, and MW-8).

On October 3, 2012, METCO personnel collected groundwater samples from the eight monitoring wells for laboratory analysis (VOC, PVOC + Naphthalene, PAH, Dissolved Lead, Dissolved Iron, Nitrate/Nitrite, Sulfate, and/or Dissolved

Manganese).

On March 27, 2013, METCO personnel collected groundwater samples from the eight monitoring wells for laboratory analysis (PVOC + Naphthalene and Dissolved Lead).

On June 27, 2013, METCO personnel collected groundwater samples from the eight monitoring wells for laboratory analysis (PVOC + Naphthalene and Dissolved Lead).

On October 1, 2013, METCO personnel collected groundwater samples from the eight monitoring wells for laboratory analysis (PVOC + Naphthalene and Dissolved Lead).

Geoprobe Boring and Monitoring Well analytical results are summarized in the Groundwater Analytical Tables.

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.

Potable Well Sampling Data

On February 7, 2012, during the groundwater monitoring event, METCO personnel collected one groundwater sample from the on-site potable well for laboratory analysis (VOC, PAH, and Dissolved Lead).

On September 11, 2012, METCO personnel conducted a potable well field reconnaissance to locate any other potable wells located within 1,000 feet of the subject property.

On October 3, 2012, during the groundwater monitoring event, METCO personnel collected a groundwater sample from the on-site potable well and a neighboring (N3591 Liberty Street) down-gradient potable well for laboratory analysis (PVOC, Naphthalene and Dissolved Lead).

On March 27, 2013, during the groundwater monitoring event, METCO personnel collected a groundwater sample from the on-site potable well and a neighboring (N3591 Liberty Street) down-gradient potable well for laboratory analysis (PVOC, Naphthalene and Dissolved Lead).

On June 27, 2013, during the groundwater monitoring event, METCO personnel collected a groundwater sample from the on-site potable well and a neighboring (N3591 Liberty Street) down-gradient potable well for laboratory analysis (PVOC, Naphthalene and Dissolved Lead).

On October 1, 2013, during the groundwater monitoring event, METCO

personnel collected a groundwater sample from the on-site potable well and a neighboring (N3591 Liberty Street) down-gradient potable well for laboratory analysis (PVOC, Naphthalene and Dissolved Lead).

Potable well analytical results are summarized in the Groundwater Analytical Results Tables.

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

Laboratory Certification

Synergy Environmental Lab
Wisconsin Lab Certification #445037560

3.3 Permeability and Hydraulic Conductivities

On February 7, 2012, METCO conducted slug tests on monitoring wells MW-1, MW-2, and MW-5. The slug test data was evaluated using the curve fitting program "Hydro-Test for Windows" Produced by Dakota Environmental, Inc. Slug test data was evaluated using the Bouwer and Rice method. Hydrogeologic parameters were estimated as the following:

Monitoring Well MW-1
Hydraulic Conductivity (K) = 1.17E-03 cm/sec
Transmissivity = 6.05E-01 cm^2/sec
Flow Velocity (V=KI/n) = 16.05080 m/yr

Monitoring Well MW-2
Hydraulic Conductivity (K) = 3.08E-03 cm/sec
Transmissivity = 6.05E-01 cm^2/sec
Flow Velocity (V=KI/n) = 42.21696 m/yr

Monitoring Well MW-5
Hydraulic Conductivity (K) = 1.52E-04 cm/sec
Transmissivity = 3.38E-02 cm^2/sec
Flow Velocity (V=KI/n) = 2.08577 m/yr

Since the thickness of the unconfined aquifer was unknown, the bottoms of monitoring wells MW-1, -2, and -5 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, it does not appear that soil or groundwater contamination extends underneath any structures. No vapor risks appear to be

a concern at this site.

3.5 Discussion of Results

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

Local unconsolidated material generally consists of up to 11.5 feet of very fine to medium grained sand, underlain by up to 4.5 feet of silt to clay to sandy clay. In the area of soil borings MW-6 and MW-7 the silt to clay to sandy clay was underlain by up to 2 feet of very fine to medium grained sand.

Bedrock was not encountered during the site investigation, but sandstone bedrock is estimated to exist at approximately 200 feet below ground surface.

According to data collected from the monitoring wells, the depth to groundwater ranges from 2.28 to 9.11 feet below ground surface depending on well location and time of year. The local horizontal groundwater flow is generally toward the east-northeast.

The area of unsaturated soil contamination, which exceeds the NR720 groundwater and/or direct contact RCLs, appears to measure approximately 12 feet wide, up to 14 feet long, and up to 3.5 feet thick (depth to groundwater). It should be noted that only one unsaturated soil sample showed any NR720 exceedances of the groundwater and/or direct contact RCLs (PAH and Lead).

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 east-northeast. This plume is at least 190 feet long and 75 feet wide.

Based on the most recent groundwater analytical results, two of the monitoring wells (MW-1 and -5) showed NR140 ES exceedances. Monitoring well MW-6 did show and ES exceedance during the October 2012 sampling event for Benzene (15.8 ppb), however decreased to show a PAL exceedance for Benzene the three most recent sampling events. Five monitoring wells (MW-2, -3, -4, -7, and -8) currently show "no detects" for any contaminants of concern.

Based on the receptor survey, there appears to be no risk associated with vapor intrusion, municipal water supply wells or surface waters from this site, except it does appears that the on-site and down-gradient (N3591 Cty Rd M) private potable wells can be considered at risk. However, the wells have shown no detects during any of the sampling events.

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.

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 Krivanek Property site is currently a "high risk" site, because there are NR140 Enforcement Standard exceedances within 100 feet of the on-site potable well.

4.0 CONCLUSIONS

4.1 Investigation Summary

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

regulations.

4.2 Recommendations

Due to soil contamination in the area of Geoprobe boring G-3 exceeding the NR720 direct contact residual contamination levels for PAH compounds, the WDNR will likely require that the soil be addressed by soil excavation or a soil performance standard. Also, due to the presence of NR140 ES exceedances in two of the wells (MW-1 and -5) and PAL exceedance in down-gradient monitoring well MW-6 , additional groundwater monitoring will likely be required by the state to move this site toward closure. If the state concurs, please contact METCO to discuss workscope and budget.

5.0 REFERENCES

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

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

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

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

Olcott, Perry G., 1968, Water Resources of Wisconsin – Fox-Wolf River Basin, Hydrologic Investigations, Atlas HA-321, U.S. Geological Survey, Washington D.C.

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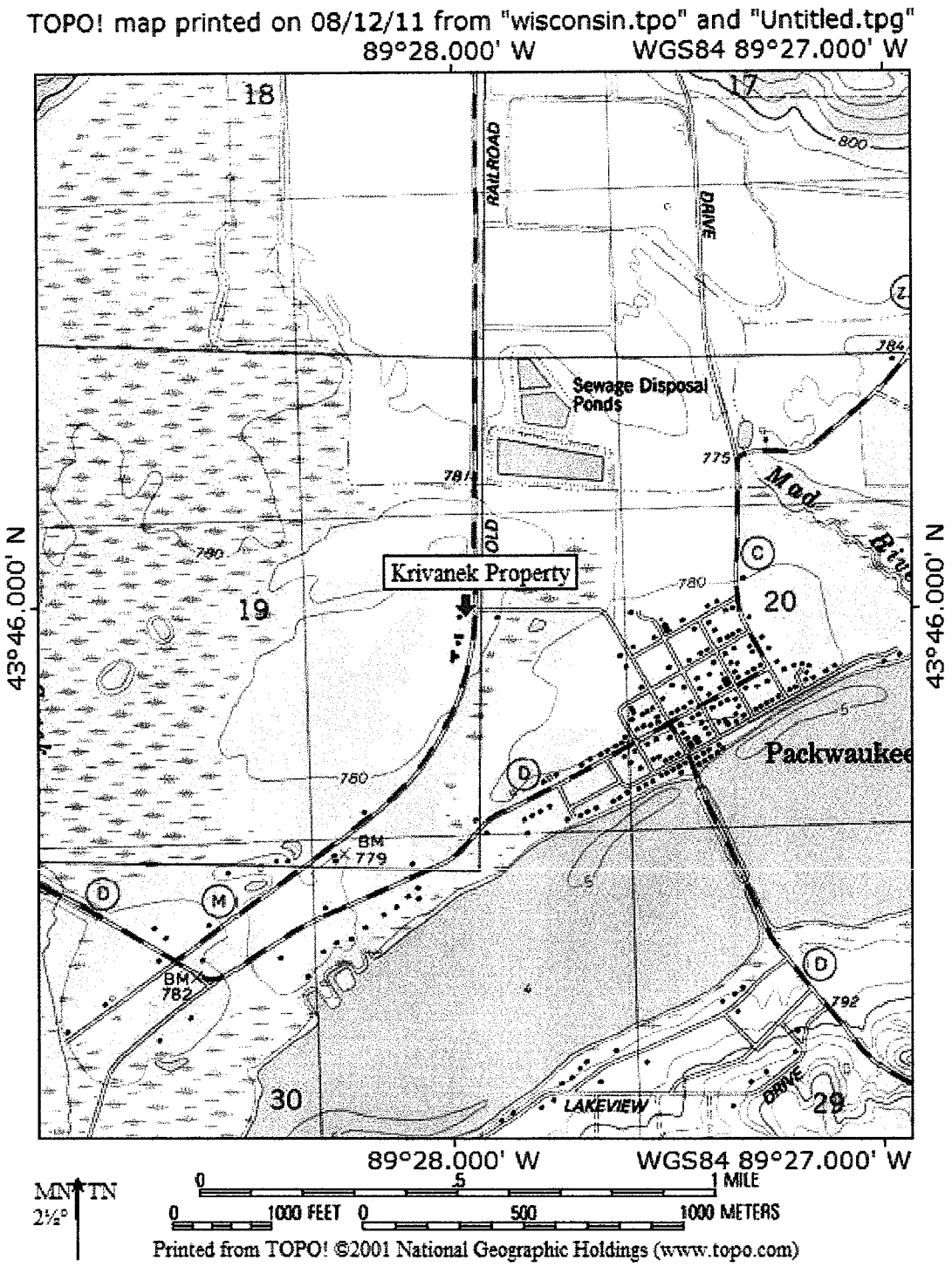
Walton, W.C., 1989, Groundwater Pumping Tests, Chelsea, Michigan.

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

Other information and data was collected from James Barker; Diggers Hotline; Soil Essentials; Synergy Environmental Lab; Wisconsin Department of Natural Resources; Wisconsin Department of Agriculture, Trade, and Consumer Protection; Wisconsin Department of Safety and Professional Services; and local people.

6.0 FIGURES



LOCATION MAP – CONTOUR INTERVAL 10 FEET
KRIVANEK PROPERTY – PACKWAUKEE, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM

DETAILED SITE MAP
KRIVANEK PROPERTY
PACKWAUKEE, WISCONSIN

METCO
229 Gibbs Street
Suite 3
La Crosse, WI 54601
Tel. (608) 781-9570
Fax (608) 781-9573

DRAWN BY: ED DATE: 6/12/13
MODIFIED BY: NH DATE: 6/17/13

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

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S
A = 1,000 GALLON DIESEL
B = 1,500 GALLON GASOLINE
C = 500 GALLON GASOLINE

◈ = TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
● = GEOPROBE BORING LOCATION (MSA 2002)
◆ = GEOPROBE BORING LOCATION (METCO 2011)
◔ = MONITORING WELL LOCATION (METCO 2011)
⊛ = POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)
BURIED PHONE LINE
BURIED GAS LINE
BURIED FIBER OPTICS
OVERHEAD ELECTRICAL LINES

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
HOUSE N3475 COUNTY HIGHWAY M
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3461 COUNTY HIGHWAY M
HOUSE N3591 COUNTY HIGHWAY M
HOUSE N3583 LIBERTY STREET
LIBERTY STREET
COUNTY HIGHWAY M
SHED
STORAGE
GARAGE
APPROXIMATE LOCATION
BROKEN ASPHALT
GRAVEL DRIVEWAY
GRASS DITCH
GRAVEL
GRASS
OVERHEAD ELECTRIC
CULVERT
FENCE
UTILITY POLE
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-NOVAC
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
B-1
B-2
B-3
B-4
B-5
B-6
B-7
A
B
C

GROUNDWATER FLOW DIRECTION
KRIVANEK PROPERTY

METCO
739 Calkins St. Ste 2
Lake Geneva, WI 53147
Tel: (608) 781-8979
Fax: (608) 781-8653

PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 6/13/13
MODIFIED BY: MH DATE: 1/7/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

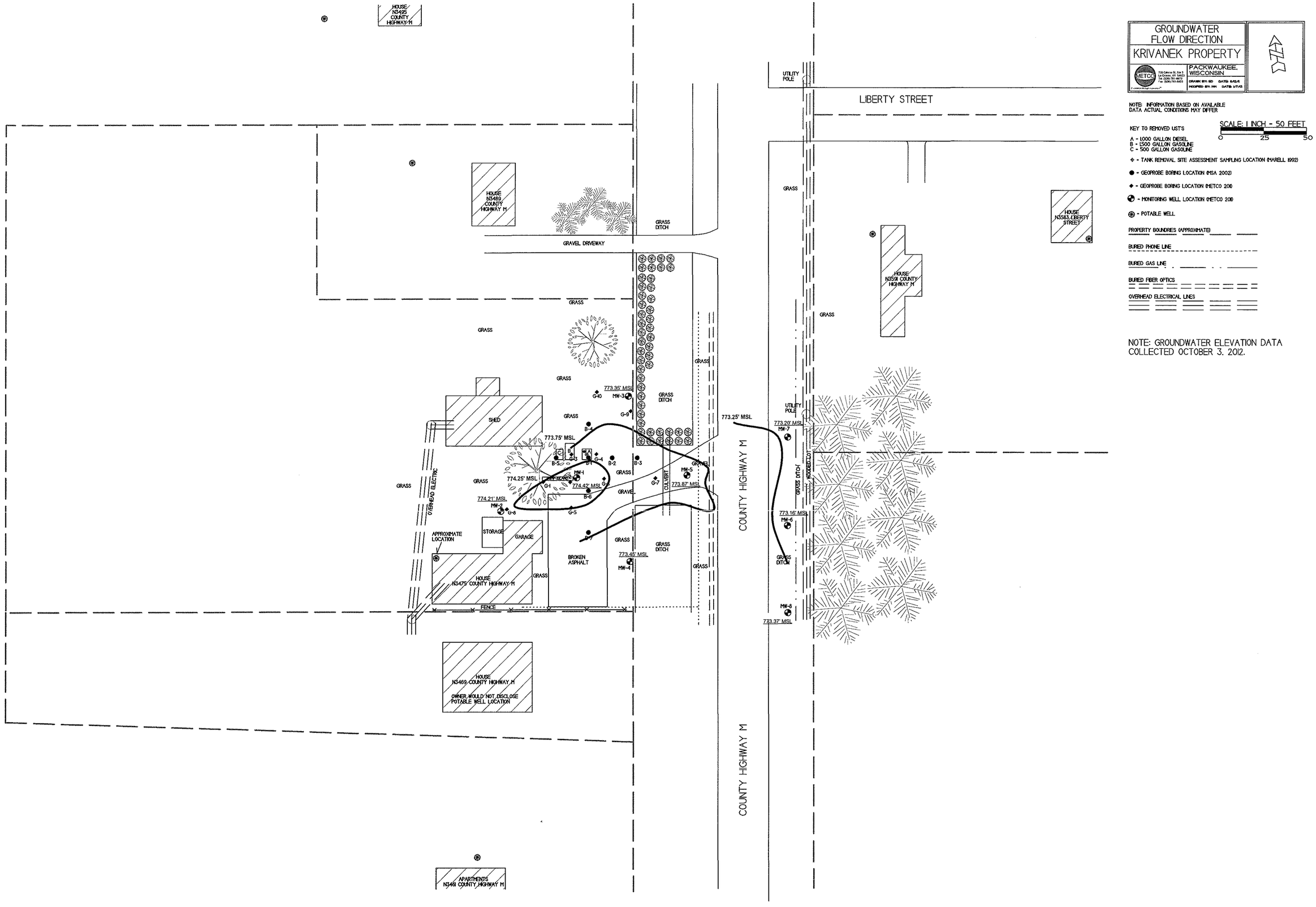
SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S
A - 1000 GALLON DIESEL
B - 1500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- ◆ - TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- ● - GEOPROBE BORING LOCATION (MSA 2002)
- ◆ - GEOPROBE BORING LOCATION (METCO 2011)
- ◒ - MONITORING WELL LOCATION (METCO 2011)
- ⊛ - POTABLE WELL
- PROPERTY BOUNDRIES (APPROXIMATE)
- BURIED PHONE LINE
- BURIED GAS LINE
- BURIED FIBER OPTICS
- OVERHEAD ELECTRICAL LINES

NOTE: GROUNDWATER ELEVATION DATA COLLECTED FEBRUARY 7, 2012.

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
GRAVEL DRIVEWAY
GRASS DITCH
GRASS
SHED
775.66' MSL
MW-3
G-10
775.75' MSL
G-9
B-4
776.00' MSL
B-5
B-3
B-1
G-4
B-2
MW-1
G-5
G-3
MW-5
775.80' MSL
G-6
G-7
775.75' MSL
G-1
G-2
B-6
GRAVEL
CULVERT
OVERHEAD ELECTRIC
MW-2
776.29' MSL
G-8
G-11
776.25' MSL
STORAGE
GARAGE
APPROXIMATE LOCATION
B-7
BROKEN ASPHALT
MW-4
776.09' MSL
HOUSE N3475 COUNTY HIGHWAY M
FENCE
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3481 COUNTY HIGHWAY M
COUNTY HIGHWAY M
UTILITY POLE
LIBERTY STREET
HOUSE N3583 LIBERTY STREET
HOUSE N3591 COUNTY HIGHWAY M
WOODED LOT



GROUNDWATER FLOW DIRECTION
KRIVANEK PROPERTY

METCO
708 Cabrini St, Ste 3
La Crosse, WI 54603
PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 6/13/13
MODIFIED BY: MH DATE: 7/7/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S

A - 1,000 GALLON DIESEL
B - 1,500 GALLON GASOLINE
C - 500 GALLON GASOLINE

◆ - TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)

● - GEOPROBE BORING LOCATION (MSA 2002)

◆ - GEOPROBE BORING LOCATION (METCO 2011)

◒ - MONITORING WELL LOCATION (METCO 2011)

⊛ - POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE) _____

BURIED PHONE LINE ----------

BURIED GAS LINE . . _____ . . _____

BURIED FIBER OPTICS = = = = = = =

OVERHEAD ELECTRICAL LINES

NOTE: GROUNDWATER ELEVATION DATA COLLECTED OCTOBER 3, 2012.

GROUNDWATER FLOW DIRECTION
KRIVANEK PROPERTY

METCO
PACKWAUKEE, WISCONSIN

DRAWN BY: SD DATE: 8/23/13
REVISED BY: MH DATE: 9/27/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

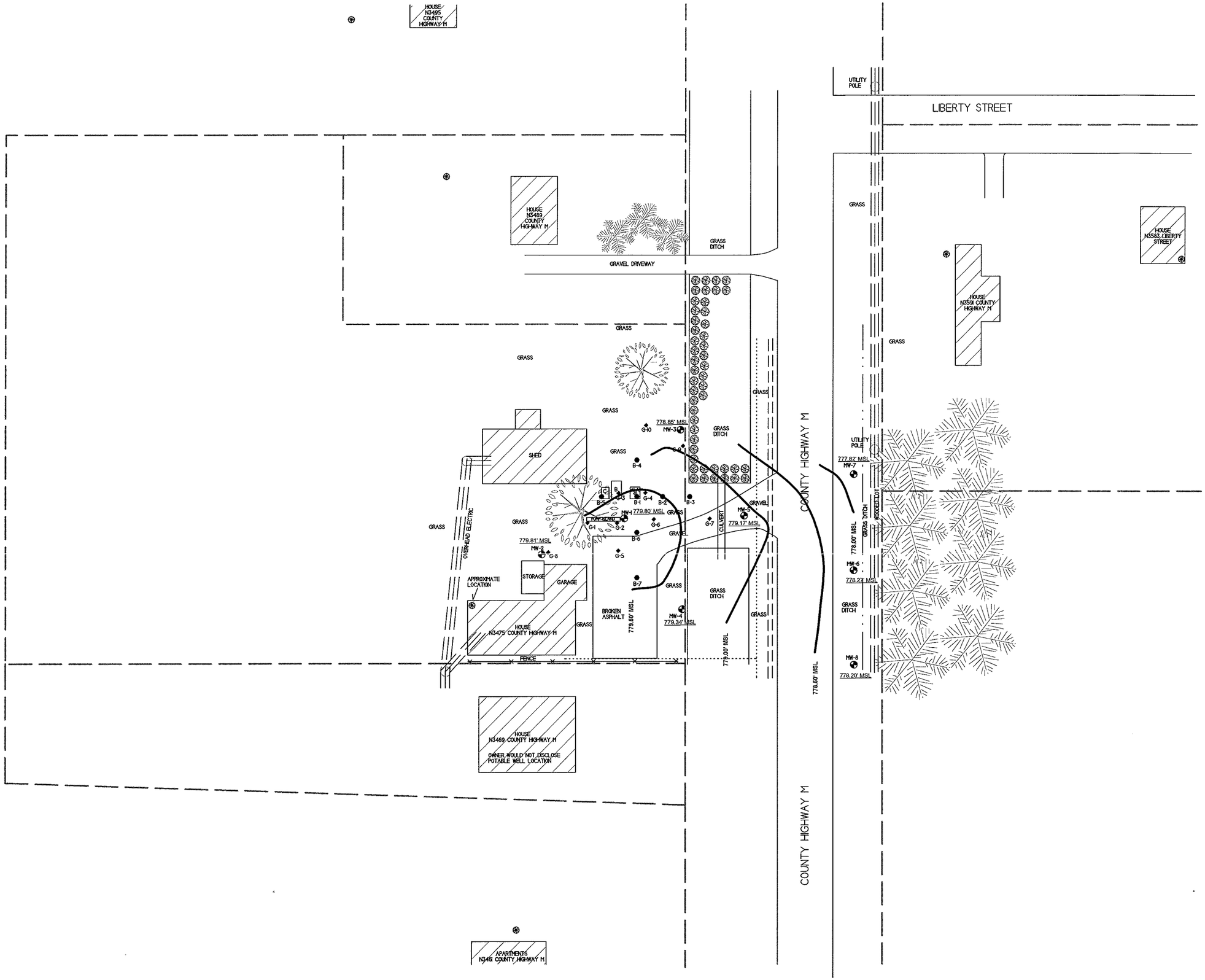
KEY TO REMOVED UST'S
A - 1000 GALLON DIESEL
B - 1500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- GEOPROBE BORING LOCATION (MSA 2002)
- GEOPROBE BORING LOCATION (METCO 200
- MONITORING WELL LOCATION (METCO 200
- POTABLE WELL

PROPERTY BOUNDRES (APPROXIMATE)
BURED PHONE LINE
BURED GAS LINE
BURED FIBER OPTICS
OVERHEAD ELECTRICAL LINES

NOTE: 1) GROUNDWATER ELEVATION DATA COLLECTED MARCH 27, 2013.

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
GRAVEL DRIVEWAY
GRASS DITCH
GRASS
SHED
776.03' MSL
MW-3
G-10
G-9
776.50' MSL
B-4
B-5
G-3
G-4
G-1
B-3
B-2
776.50' MSL
776.53' MSL
MW-1 776.59' MSL
G-2
G-6
G-7
CULVERT
MW-5
GRAVEL
B-6
776.52' MSL
MW-2
G-8
776.50' MSL
G-5
OVERHEAD ELECTRIC
APPROXIMATE LOCATION
STORAGE
GARAGE
776.25' MSL
B-7
BROKEN ASPHALT
MW-4
776.03' MSL
HOUSE N3475 COUNTY HIGHWAY M
FENCE
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3481 COUNTY HIGHWAY M
COUNTY HIGHWAY M
LIBERTY STREET
UTILITY POLE
HOUSE N3591 COUNTY HIGHWAY M
HOUSE N3583 LIBERTY STREET
775.82' MSL
MW-7
776.24' MSL
MW-6
MW-8
776.25' MSL
WOODED LOT



GROUNDWATER FLOW DIRECTION
KRIVANEK PROPERTY

METCO
139 Gilmore St, Ste 2
S.E. Group, VA 54601
Tel: (608) 781-4879
Fax: (608) 781-4883

PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 8/23/13
PROOFED BY: MH DATE: 9/3/13

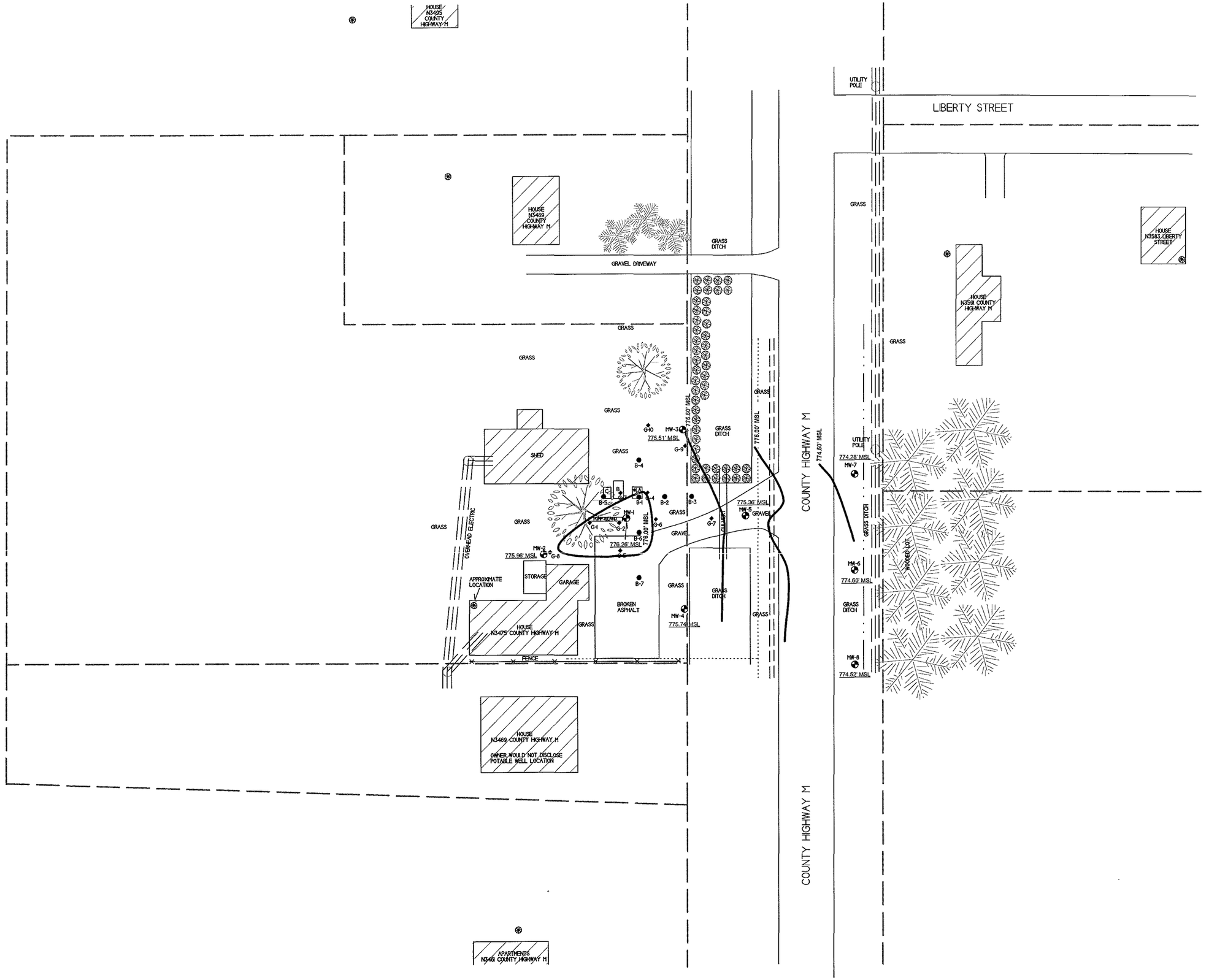
NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S
A - 1,000 GALLON DIESEL
B - 1,500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- ◆ - TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- ● - GEOPROBE BORING LOCATION (MSA 2002)
- ◆ - GEOPROBE BORING LOCATION (METCO 2011)
- ◔ - MONITORING WELL LOCATION (METCO 2011)
- ⊛ - POTABLE WELL
- PROPERTY BOUNDRIES (APPROXIMATE)
- BURIED PHONE LINE
- BURIED GAS LINE
- BURIED FIBER OPTICS
- OVERHEAD ELECTRICAL LINES

NOTE: 1) GROUNDWATER ELEVATION DATA COLLECTED JUNE 27, 2013.



GROUNDWATER FLOW DIRECTION

KRIVANEK PROPERTY

METCO

PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 6/13/13

PROOFED BY: MH DATE: 6/13/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET

0 25 50

KEY TO REMOVED UST'S

A - 1,000 GALLON DIESEL
B - 1,500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- GEOPROBE BORING LOCATION (MSA 2002)
- GEOPROBE BORING LOCATION (METCO 2011)
- MONITORING WELL LOCATION (METCO 2011)
- POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)

BURIED PHONE LINE

BURIED GAS LINE

BURIED FIBER OPTICS

OVERHEAD ELECTRICAL LINES

NOTE: 1) GROUNDWATER ELEVATION DATA COLLECTED OCTOBER 1, 2013.

PRE-REMEDIAL SOIL CONTAMINATION
KRIVANEK PROPERTY

METCO
PACKWAUKEE, WISCONSIN
DRAWN BY: SD DATE: 8/23/13
MODIFIED BY: MH DATE: 1/7/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S
A = 1,000 GALLON DIESEL
B = 1,500 GALLON GASOLINE
C = 500 GALLON GASOLINE

◈ = TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
● = GEOPROBE BORING LOCATION (MSA 2002)
◆ = GEOPROBE BORING LOCATION (METCO 2010
◔ = MONITORING WELL LOCATION (METCO 2010
⊛ = POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)
BURIED PHONE LINE
BURIED GAS LINE
BURIED FIBER OPTICS
OVERHEAD ELECTRICAL LINES

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING NR720 GROUNDWATER AND/OR DIRECT CONTACT RESIDUAL SOIL CONTAMINATION LEVELS. (LEAD&PAH)

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
GRAVEL DRIVEWAY
GRASS DITCH
GRASS
SHED
B-4
G-10
MW-3
G-9
B-5
B-1
G-4
B-2
B-3
MW-1
G-1
G-2
G-6
B-6
G-5
G-7
CULVERT
MW-5
GRAVEL
MW-2
G-8
APPROXIMATE LOCATION
STORAGE
GARAGE
B-7
BROKEN ASPHALT
MW-4
OVERHEAD ELECTRIC
HOUSE N3475 COUNTY HIGHWAY M
FENCE
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3418 COUNTY HIGHWAY M
COUNTY HIGHWAY M
LIBERTY STREET
UTILITY POLE
HOUSE N3581 COUNTY HIGHWAY M
HOUSE N3583 LIBERTY STREET
MW-7
MW-6
MW-8
BROKEN CURB

GROUNDWATER ISOCONCENTRATION
KRIVANEK PROPERTY

METCO
109 Grove St. Ste 3
Montpelier, VT 05602
Tel: (802) 751-8879
Fax: (802) 751-8453

PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 6/25/13
PROOFED BY: MH DATE: 6/25/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S
A - 1,000 GALLON DIESEL
B - 1,500 GALLON GASOLINE
C - 500 GALLON GASOLINE

◈ - TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
● - GEOPROBE BORING LOCATION (MSA 2002)
◆ - GEOPROBE BORING LOCATION (METCO 2011)
◍ - MONITORING WELL LOCATION (METCO 2011)
⊛ - POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)
BURIED PHONE LINE
BURIED GAS LINE
BURIED FIBER OPTICS
OVERHEAD ELECTRICAL LINES

NOTES:
1) BASED ON GROUNDWATER ANALYTICAL RESULTS FROM OCTOBER 1, 2013

2) ALL OF THE SITE MONITORING WELLS EXCEPT MW-2 SHOWED NR140 ES AND/OR PAL EXCEEDANCES FOR DISSOLVED MANGANESE DURING THE 10/3/12 GROUNDWATER SAMPLING EVENT. MONITORING WELL MW-4 ALSO SHOWED A NR140 PAL EXCEEDANCE FOR NITRATE+NITRITE.

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
GRAVEL DRIVEWAY
GRASS DITCH
GRASS
SHED
STORAGE
GARAGE
APPROXIMATE LOCATION
HOUSE N3475 COUNTY HIGHWAY M
BROKEN ASPHALT
FENCE
OVERHEAD ELECTRIC
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3418 COUNTY HIGHWAY M
COUNTY HIGHWAY M
PAL
ES
LIBERTY STREET
UTILITY POLE
HOUSE N3583 LIBERTY STREET
HOUSE N3591 COUNTY HIGHWAY M
GRAVEL
CULVERT
MOWED LOT
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
B-1
B-2
B-3
B-4
B-5
B-6
B-7

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

GEOLOGIC CROSS -SECTION FIGURE

KRIVANEK PROPERTY

METCO
709 Calmar St, Ste 3
La Crosse, WI 54603
PH (608) 781-9479
FX (608) 781-9483

PACKWAUKEE, WISCONSIN

DRAWN BY: BD DATE: 6/2/15
MODIFIED BY: PR DATE: 7/7/15

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 50 FEET
0 25 50

KEY TO REMOVED UST'S

A - 1000 GALLON DIESEL
B - 1500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- GEOPROBE BORING LOCATION (MSA 2002)
- GEOPROBE BORING LOCATION (METCO 200
- MONITORING WELL LOCATION (METCO 200
- POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)
BURIED PHONE LINE
BURIED GAS LINE
BURIED FIBER OPTICS
OVERHEAD ELECTRICAL LINES

HOUSE N3495 COUNTY HIGHWAY M
HOUSE N3489 COUNTY HIGHWAY M
GRAVEL DRIVEWAY
GRASS DITCH
GRASS
ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING NR720 GROUNDWATER AND/OR DIRECT CONTACT RESIDUAL SOIL CONTAMINATION LEVELS. (LEAD&PAHS
SHED
OVERHEAD ELECTRIC
STORAGE
GARAGE
APPROXIMATE LOCATION
HOUSE N3475 COUNTY HIGHWAY M
FENCE
BROKEN ASPHALT
GRAVEL
CULVERT
HOUSE N3469 COUNTY HIGHWAY M
OWNER WOULD NOT DISCLOSE POTABLE WELL LOCATION
APARTMENTS N3481 COUNTY HIGHWAY M
PAL
ES
COUNTY HIGHWAY M
UTILITY POLE
LIBERTY STREET
HOUSE N3583 LIBERTY STREET
HOUSE N3591 COUNTY HIGHWAY M
GRASS DITCH
ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING NR140 ENFORCEMENT STANDAND (ES) AND/OR PREVENTIVE ACTION LIMIT (PAL)

GEOLOGIC CROSS -SECTION FIGURE

KRIVANEK PROPERTY

METCO
709 Gillette St, Ste 3
La Crosse, WI 54603
Tel: (608) 781-8579
Fax: (608) 781-8893

PACKWAUKEE, WISCONSIN

DRAWN BY: ED DATE: 8/23/13
MODIFIED BY: MH DATE: 1/7/13

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

KEY TO REMOVED UST'S

A - 1000 GALLON DIESEL
B - 1500 GALLON GASOLINE
C - 500 GALLON GASOLINE

- TANK REMOVAL SITE ASSESSMENT SAMPLING LOCATION (MARELL 1992)
- GEOPROBE BORING LOCATION (MSA 2002)
- GEOPROBE BORING LOCATION (METCO 2011)
- MONITORING WELL LOCATION (METCO 2011)
- POTABLE WELL

PROPERTY BOUNDRIES (APPROXIMATE)

BURIED PHONE LINE

BURIED GAS LINE

BURIED FIBER OPTICS

OVERHEAD ELECTRICAL LINES

SCALE:
1 INCH = 20 FEET
0 20

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING NR720 GROUNDWATER AND/OR DIRECT CONTACT RESIDUAL SOIL CONTAMINATION LEVELS. (LEAD& PAH)

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

PAL

ES

COUNTY HIGHWAY M

HOUSE N3591 COUNTY HIGHWAY M

HOUSE N3475 COUNTY HIGHWAY M

SHED

STORAGE

GARAGE

APPROXIMATE LOCATION

BROKEN ASPHALT

PUMP ISLAND

OVERHEAD ELECTRIC

CULVERT

UTILITY POLE

GRASS DITCH

WOODED LOT

FENCE

GRASS

GRAVEL

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10

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

A A'

GEOLOGIC CROSS -SECTION FIGURE

KRIVANEK PROPERTY

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

PACKWAUKEE, WISCONSIN

DRAWN BY: MM

DATE: 1/9/14

INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

NOTES:

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

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

3) SOIL AND GROUNDWATER SAMPLE DATA IS BASED ON LABORATORY RESULTS FROM SAMPLES COLLECTED DURING THE FOLLOWING EVENTS:
-GEOPROBE PROJECT (12/10/02)
-DRILLING & GEOPROBE PROJECT (10/18-19/11)
-DRILLING PROJECT (9/11/12)
-ROUND 5 GROUNDWATER SAMPLING (8/12/13)

◆ - GEOPROBE BORING LOCATION (METCO 2011)

⊕ - MONITORING WELL LOCATION (METCO 2011)

● - SOIL SAMPLE LOCATION

▼ - WATERTABLE

▼ - ALL TIME HIGH AND LOW WATERTABLE

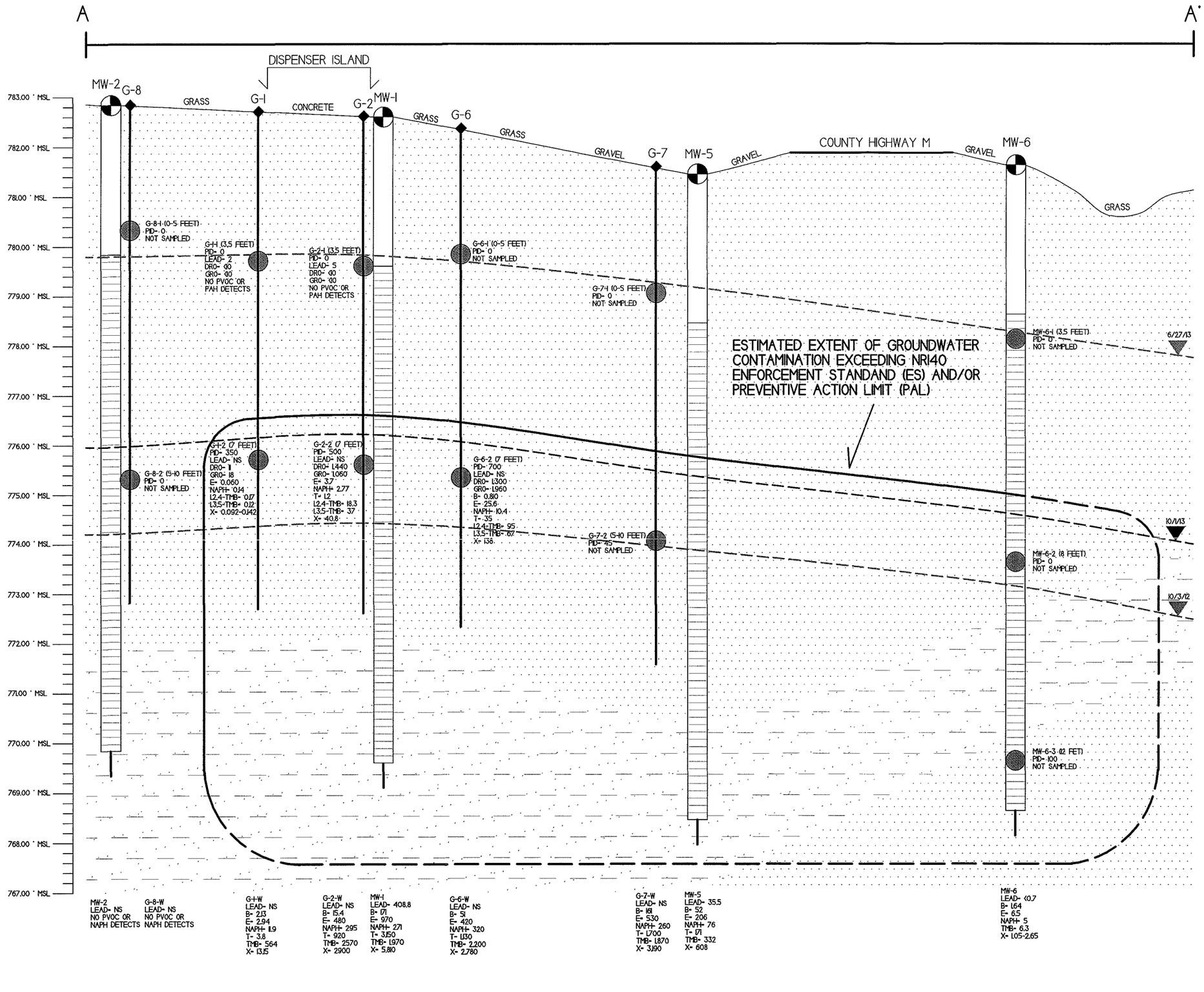
- LIGHT BROWN TO TAN TO GRAY VERY FINE TO MEDIUM GRAINED SAND

- LIGHT BROWN TO GRAY SILT TO CLAY TO SANDY CLAY

PID- PHOTO IONIZATION DETECTOR
VOC- VOLATILE ORGANIC COMPOUNDS
PVOC- PETROLEUM VOLATILE ORGANIC COMPOUNDS
PAH- POLYCYCLIC AROMATIC HYDROCARBONS
DRO- DEISEL RANGE ORGANICS
GRO- GASOLINE RANGE ORGANICS
B- BENZENE
E- ETHYLBENZENE
MTBE- METHYL TERT-BUTYL ETHER
NAPH- NAPHTHLENE
T- TOLUENE
1,2,4-TMB- 1,2,4-TRIMETHYLBENZENE
1,3,5-TMB- 1,3,5-TRIMETHYLBENZENE
TMB- TRIMETHYLBENZENE
X- XYLENE
NS- NOT SAMPLED

HORIZONTAL SCALE: 1 INCH = 20 FEET
0 20

VERTICAL SCALE: 1 INCH = 2 FEET
2 0



7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

Pre-remedial Soil Analytical Table
Krivanek Property BRRTS# 03-39-001727

Sample ID	Depth (feet)	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC & PAH COMBINED: Individual Exeedance Count	PVOC & PAH COMBINED: Hazard Index	PVOC & PAH COMBINED: Cumulative Cancer Risk
#1	NM	11/05/92	NM	NS	690	NOT SAMPLED									NS			
B-1	0-2	12/10/02	0	NOT SAMPLED											NS			
B-1	2-4	12/10/12	0	NOT SAMPLED											NS			
B-1	4-6	12/10/02	0	NS	<4.5	<1.6	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.050	NS			
B-1	6-8	12/10/02	373	NOT SAMPLED											NS			
B-2	0-2	12/10/02	0	NOT SAMPLED											NS			
B-2	2-4	12/10/12	0	NOT SAMPLED											NS			
B-2	4-6	12/10/02	2	NS	<4.4	3.4	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.050	NS			
B-2	6-8	12/10/02	75	NOT SAMPLED											NS			
B-3	0-2	12/10/02	0	NOT SAMPLED											NS			
B-3	2-4	12/10/12	0	NOT SAMPLED											NS			
B-3	4-6	12/10/02	0	NOT SAMPLED											NS			
B-3	6-8	12/10/02	54	NOT SAMPLED											NS			
B-4	0-2	12/10/02	0	NOT SAMPLED											NS			
B-4	2-4	12/10/12	0	NOT SAMPLED											NS			
B-4	4-6	12/10/02	0	NS	<4.5	<1.6	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.050	NS			
B-4	6-8	12/10/02	0	NOT SAMPLED											NS			
B-5	0-2	12/10/02	0	NOT SAMPLED											NS			
B-5	2-4	12/10/12	0	NOT SAMPLED											NS			
B-5	4-6	12/10/02	0	NS	<4.4	<1.6	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.050	NS			
B-5	6-8	12/10/02	0	NOT SAMPLED											NS			
B-6	0-2	12/10/02	0	NOT SAMPLED											NS			
B-6	2-4	12/10/12	0	NOT SAMPLED											NS			
B-6	4-6	12/10/02	6	NS	<4.4	5.4	<0.025	<0.025	<0.025	NS	<0.025	<0.025	<0.025	<0.050	NS			
B-6	6-8	12/10/02	1238	NOT SAMPLED											NS			
B-7	0-2	12/10/02	0	NOT SAMPLED											NS			
B-7	2-4	12/10/12	0	NOT SAMPLED											NS			
B-7	4-6	12/10/02	0	NOT SAMPLED											NS			
B-7	6-8	12/10/02	0	NOT SAMPLED											NS			
G-1-1	3	10/18/11	0	2	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS	0	5.00E-03	0
G-1-2	7	10/18/11	350	NS	11.0	18	<0.025	0.060	<0.025	0.14	<0.025	0.17	0.12	0.092-0.142	NS			
G-2-1	3	10/18/11	15	5	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS	0	1.25E-02	0
G-2-2	7	10/18/11	500	NS	1440	1060	<0.250	3.7	<0.250	2.77	1.2	18.3	37	40.8	NS			
G-3-1	3	10/18/11	0	27.0	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS	3	6.78E-02	1.00E-05
G-3-2	7	10/18/11	190	NS	122	262	<0.025	0.550	<0.025	0.4	0.189	0.520	0.760	1.41	NS			
G-4-1	3	10/18/11	0	13.9	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS	0	3.48E-02	0
G-4-2	7	10/18/11	600	1.70	105	440	<0.089	2.1	<0.120	4.2	<0.500	41	13	39.5	SEE VOC SHEET			
G-5-1	3	10/18/11	0	1.13	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS	0	2.83E-03	0
G-5-2	7	10/18/11	10	NS	<10	<10	<0.025	<0.025	<0.025	<0.0108	<0.025	<0.025	<0.025	<0.075	NS			
G-6-1	0-5	10/19/11	0	NOT SAMPLED											NS			
G-6-2	7	10/19/11	700	NS	1300	1960	0.810	25.6	<0.0250	10.4	35	95	67	138	NS			
G-7-1	0-5	10/19/11	0	NOT SAMPLED											NS			
G-7-2	5-10	10/19/11	45	NOT SAMPLED											NS			
G-8-1	0-5	10/19/11	0	NOT SAMPLED											NS			
G-8-2	5-10	10/19/11	0	NOT SAMPLED											NS			
G-9-1	0-5	10/19/11	0	NOT SAMPLED											NS			
G-9-2	5-10	10/19/11	0	NOT SAMPLED											NS			
G-10-1	0-5	10/19/11	0	NOT SAMPLED											NS			
G-10-2	5-10	10/19/11	0	NOT SAMPLED											NS			
MW-1	13.5	10/19/11	BLIND DRILLED												NS			
MW-2	13.5	10/19/11	BLIND DRILLED												NS			
MW-3	13.5	10/19/11	BLIND DRILLED												NS			
MW-4-1	0-5	10/19/11	0	NOT SAMPLED											NS			
MW-4-2	5-10	10/19/11	0	NOT SAMPLED											NS			
MW-5	13.5	10/19/11	BLIND DRILLED												NS			
MW-6-1	3.5	09/11/12	0	NOT SAMPLED											NS			
MW-6-2	8	09/11/12	0	NOT SAMPLED											NS			
MW-6-3	12	09/11/12	100	NOT SAMPLED											NS			
MW-7-1	3.5	09/11/12	0	NOT SAMPLED											NS			
MW-7-2	8	09/11/12	0	NOT SAMPLED											NS			
MW-7-3	12	09/11/12	0	NOT SAMPLED											NS			
MW-8-1	3.5	09/11/12	0	NOT SAMPLED											NS			
MW-8-2	8	09/11/12	0	NOT SAMPLED											NS			
MW-8-3	12	09/11/12	0	NOT SAMPLED											NS			
Groundwater RCL				**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.659**	**1.11**	**1.38**		**3.94**	-			
Non-Industrial Direct Contact RCL				**400**	-	-	**1.49**	**7.47**	**59.4**	**5.15**	**818**	**89.8**	**182**	**258**	-	**1**	**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*				-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

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

Pre-remedial Soil Analytical Table
(PAH)
Krivanek Property BRRTS# 03-39-001727

Sample	Depth (feet)	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	PVOC & PAH COMBINED: Individual Exeedance Count	PVOC & PAH COMBINED: Hazard Index	PVOC & PAH COMBINED: Cumulative Cancer Risk
#1	NM	11/05/92	NOT SAMPLED																				
B-1	0-2	12/10/02	NOT SAMPLED																				
B-1	2-4	12/10/12	NOT SAMPLED																				
B-1	4-6	12/10/02	NOT SAMPLED																				
B-1	6-8	12/10/02	NOT SAMPLED																				
B-2	0-2	12/10/02	NOT SAMPLED																				
B-2	2-4	12/10/12	NOT SAMPLED																				
B-2	4-6	12/10/02	NOT SAMPLED																				
B-2	6-8	12/10/02	NOT SAMPLED																				
B-3	0-2	12/10/02	NOT SAMPLED																				
B-3	2-4	12/10/12	NOT SAMPLED																				
B-3	4-6	12/10/02	NOT SAMPLED																				
B-3	6-8	12/10/02	NOT SAMPLED																				
B-4	0-2	12/10/02	NOT SAMPLED																				
B-4	2-4	12/10/12	NOT SAMPLED																				
B-4	4-6	12/10/02	NOT SAMPLED																				
B-4	6-8	12/10/02	NOT SAMPLED																				
B-5	0-2	12/10/02	NOT SAMPLED																				
B-5	2-4	12/10/12	NOT SAMPLED																				
B-5	4-6	12/10/02	NOT SAMPLED																				
B-5	6-8	12/10/02	NOT SAMPLED																				
B-6	0-2	12/10/02	NOT SAMPLED																				
B-6	2-4	12/10/12	NOT SAMPLED																				
B-6	4-6	12/10/02	NOT SAMPLED																				
B-6	6-8	12/10/02	NOT SAMPLED																				
B-7	0-2	12/10/02	NOT SAMPLED																				
B-7	2-4	12/10/12	NOT SAMPLED																				
B-7	4-6	12/10/02	NOT SAMPLED																				
B-7	6-8	12/10/02	NOT SAMPLED																				
G-1-1	3	10/18/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0	5.00E-03	0
G-1-2	7	10/18/11	NOT SAMPLED																				
G-2-1	3	10/18/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0	1.25E-02	0
G-2-2	7	10/18/11	NOT SAMPLED																				
G-3-1	3	10/18/11	0.032	<0.0084	0.054	0.119	0.096	0.154	0.074	0.062	0.128	0.0182	0.298	0.0256	0.057	<0.0179	<0.0096	<0.0108	0.260	0.228	3	6.78E-02	1.00E-05
G-3-2	7	10/18/11	NOT SAMPLED																				
G-4-1	3	10/18/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0	3.48E-02	0
G-4-2	7	10/18/11	NOT SAMPLED																				
G-5-1	3	10/18/11	<0.0097	<0.0084	<0.0102	<0.0146	<0.0166	<0.0167	<0.0082	<0.0161	<0.0092	<0.0105	<0.0098	<0.0107	<0.0095	<0.0179	<0.0096	<0.0108	<0.0098	<0.0095	0	2.83E-03	0
G-5-2	7	10/18/11	NOT SAMPLED																				
G-6-1	0-5	10/19/11	NOT SAMPLED																				
G-6-2	7	10/19/11	NOT SAMPLED																				
G-7-1	0-5	10/19/11	NOT SAMPLED																				
G-7-2	5-10	10/19/11	NOT SAMPLED																				
G-8-1	0-5	10/19/11	NOT SAMPLED																				
G-8-2	5-10	10/19/11	NOT SAMPLED																				
G-9-1	0-5	10/19/11	NOT SAMPLED																				
G-9-2	5-10	10/19/11	NOT SAMPLED																				
G-10-1	0-5	10/19/11	NOT SAMPLED																				
G-10-2	5-10	10/19/11	NOT SAMPLED																				
MW-1	13.5	10/19/11	BLIND DRILLED																				
MW-2	13.5	10/19/11	BLIND DRILLED																				
MW-3	13.5	10/19/11	BLIND DRILLED																				
MW-4-1	0-5	10/19/11	NOT SAMPLED																				
MW-4-2	5-10	10/19/11	NOT SAMPLED																				
MW-5	13.5	10/19/11	BLIND DRILLED																				
MW-6-1	3.5	09/11/12	NOT SAMPLED																				
MW-6-2	8	09/11/12	NOT SAMPLED																				
MW-6-3	12	09/11/12	NOT SAMPLED																				
MW-7-1	3.5	09/11/12	NOT SAMPLED																				
MW-7-2	8	09/11/12	NOT SAMPLED																				
MW-7-3	12	09/11/12	NOT SAMPLED																				
MW-8-1	3.5	09/11/12	NOT SAMPLED																				
MW-8-2	8	09/11/12	NOT SAMPLED																				
MW-8-3	12	09/11/12	NOT SAMPLED																				
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	1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

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

Pre-remedial Soil Analytical Table
(VOC's)
Krivanek Property BRRTS# 03-39-001727

Well Sampling Conducted on October 18,2011

VOC's		Bold = Groundwater RCL	Underline & Bold = Direct Contact RCL	Asteric * & Bold =Soil Saturation (C-sat) RCL
Sample ID#	G-4-2			
Sample Depth/ft.	7			
Solids Percent	81.4	= =	= =	= =
Lead/ppm	1.7	27	400	= =
DRO/ppm	105	= =	= =	= =
GRO/ppm	440	= =	= =	= =
Benzene/ppm	< 0.089	0.00512	1.49	1820
Bromobenzene/ppm	< 0.140	= =	354	= =
Bromodichloromethane/ppm	< 0.120	0.000326	0.39	= =
Bromoform/ppm	< 0.200	0.00233	61.6	= =
tert-Butylbenzene/ppm	< 0.540	= =	183	183
sec-Butylbenzene/ppm	0.820 "J"	= =	145	145
n-Butylbenzene/ppm	4.3	= =	108	108
Carbon Tetrachloride/ppm	< 0.120	0.00388	0.85	= =
Chlorobenzene/ppm	< 0.94	= =	392	= =
Chloroethane/ppm	< 1.420	0.227	= =	= =
Chloroform/ppm	< 0.460	0.0033	0.42	= =
Chloromethane/ppm	< 2.070	0.0155	171	= =
2-Chlorotoluene/ppm	< 0.840	= =	= =	= =
4-Chlorotoluene/ppm	< 0.760	= =	= =	= =
1,2-Dibromo-3-chloropropane/ppm	< 0.770	0.000173	0.01	= =
Dibromochloromethane/ppm	< 0.095	0.032	0.93	= =
1,4-Dichlorobenzene/ppm	< 0.520	0.144	3.48	= =
1,3-Dichlorobenzene/ppm	< 0.530	1.15	297	297
1,2-Dichlorobenzene/ppm	< 0.510	1.17	376	376
Dichlorodifluoromethane/ppm	< 0.120	3.08	135	= =
1,2-Dichloroethane/ppm	< 0.130	0.00284	0.61	540
1,1-Dichloroethane/ppm	< 0.110	0.484	4.72	= =
1,1-Dichloroethene/ppm	< 0.220	0.00502	342	= =
cis-1,2-Dichloroethene/ppm	< 0.140	0.0412	156	= =
trans-1,2-Dichloroethene/ppm	< 0.220	0.0588	211	= =
1,2-Dichloropropane/ppm	< 0.110	0.00332	1.33	= =
2,2-Dichloropropane/ppm	< 0.330	= =	527	527
1,3-Dichloropropane/ppm	< 0.110	= =	1490	1490
Di-isopropyl ether/ppm	< 0.470	= =	2260	2260
EDB (1,2-Dibromoethane)/ppm	< 0.170	0.0000282	0.05	= =
Ethylbenzene/ppm	**2.1**	1.57	7.47	480
Hexachlorobutadiene/ppm	< 0.950	= =	6.23	= =
Isopropylbenzene/ppm	0.835 "J"	= =	= =	= =
p-Isopropyltoluene/ppm	< 0.450	= =	162	162
Methylene chloride/ppm	< 1.190	0.00256	60.7	= =
Methyl tert-butyl ether (MTBE)/ppm	< 0.120	0.027	59.4	8870
Naphthalene/ppm	**4.2**	0.659	5.15	= =
n-Propylbenzene/ppm	2.9	= =	= =	= =
1,1,2,2-Tetrachloroethane/ppm	< 0.200	0.000156	0.75	= =
1,1,1,2-Tetrachloroethane/ppm	< 0.410	0.0533	2.59	= =
Tetrachloroethene (PCE)/ppm	< 0.240	0.00454	30.7	= =
Toluene/ppm	< 0.500	1.11	818	818
1,2,4-Trichlorobenzene/ppm	< 0.740	0.408	22.1	= =
1,2,3-Trichlorobenzene/ppm	< 1.290	= =	48.9	= =
1,1,1-Trichloroethane/ppm	< 0.110	0.14	= =	= =
1,1,2-Trichloroethane/ppm	< 0.160	0.00324	1.48	= =
Trichloroethene (TCE)/ppm	< 0.170	0.00358	0.64	= =
Trichlorofluoromethane/ppm	< 0.430	= =	1120	= =
1,2,4-Trimethylbenzene/ppm	**41**	1.38	89.8	219
1,3,5-Trimethylbenzene/ppm	**13**		182	182
Vinyl Chloride/ppm	< 0.160	0.000138	0.07	= =
m&p-Xylene/ppm	**30**	3.94	258	258
o-Xylene/ppm	**9.5**			

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

Water Level Elevations
Krivanek Property BRRTS# 03-39-001727
Packwaukee, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
pvc top (ft)	782.60	782.84	782.46	781.96	781.45	781.63	781.46	781.66
Date								
02/07/12	775.80	776.29	775.66	776.09	775.75	NI	NI	NI
10/03/12	774.42	774.21	773.35	773.45	773.87	773.16	773.20	773.37
03/27/13	776.59	776.52	776.03	776.03	776.53	776.24	775.82	776.25
06/27/13	779.81	779.80	778.85	779.34	779.17	778.27	777.82	778.20
10/01/13	776.20	775.96	775.51	775.74	775.36	774.60	774.28	774.52

Note: Elevations are presented in feet mean sea level (msl).
CNL = Could Not Locate
NI = Not Installed
NM = Not Measured

Groundwater Analytical Table
(Geoprobe)
Krivanek Property BRRTS# 03-39-001727

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
B-1	12/10/02	NS	<40	*370*	<40	NS	61	**3200**	**6700**
B-3	12/10/02	NS	**41**	**1100**	<40	NS	**2400**	**2800**	**9900**
B-4	12/10/02	NS	<0.40	<0.40	<0.40	NS	0.41	<0.90	<1.4
B-5	12/10/02	NS	<0.40	<0.40	<0.40	NS	0.63	<0.90	<1.4
B-6	12/10/02	NS	**1400**	**3600**	<400	NS	**24000**	**3700**	**17500**
G-1-W	10/18/11	NS	*2.13*	2.94	<0.47	*11.9*	3.8	**564**	13.15
G-2-W	10/18/11	NS	**15.4**	*480*	<4.7	**295**	**920**	**2570**	**2900**
G-3-W	10/18/11	NS	<0.49	1.25	<0.47	<2	<0.89	<2.7	<3.2
G-4-W	10/18/11	NS	*0.68*	5.4	<0.47	*16.6*	2.8	60.8	59.4
G-5-W	10/19/11	NS	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
G-6-W	10/19/11	NS	**51**	*420*	<4.7	**320**	**1130**	**2200**	**2780**
G-7-W	10/19/11	NS	**161**	*530*	<23.5	**260**	**1700**	**1870**	**3190**
G-8-W	10/19/11	NS	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
G-9-W	10/19/11	NS	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
G-10-W	10/19/11	NS	<0.49	<0.98	<0.47	<2	<0.89	<2.7	<3.2
ENFORCE MENT STANDARD ES = **Bold**		15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*		1.5	0.5	140	12	10	160	96	400

NS = Not Sampled

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

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

Groundwater Analytical Table
Krivanek Property BRRTS# 03-39-001727

Well MW-1
PVC Elevation = 782.60 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	775.80	6.80	**24.1**	**78**	*510*	<40	**192**	**1710**	**1043**	**3390**
10/03/12	774.42	8.18	*14.1*	<23	128	<28.5	<115	*251*	**537**	*933*
03/27/13	776.59	6.01	**131**	**90**	*630*	<2.3	**189**	**2090**	**1039**	**3610**
06/27/13	779.81	2.79	<0.7	**48**	*288*	<11.5	<85	**1190**	*466*	*1770*
10/01/13	776.20	6.40	**408.8**	**171**	**970**	<7.4	**271**	**3150**	**1970**	**5810**
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-2
PVC Elevation = 782.84 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	776.29	6.55	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
10/03/12	774.21	8.63	NS	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
03/27/13	776.52	6.32	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
06/27/13	779.80	3.04	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	775.96	6.88	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-3
PVC Elevation = 782.46 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	775.66	6.80	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
10/03/12	773.35	9.11	NS	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
03/27/13	776.03	6.43	NS	<0.24	0.55	<0.23	<1.7	<0.69	2.72-4.12	3.15
06/27/13	778.85	3.61	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	775.51	6.95	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-4
PVC Elevation = 781.96 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	776.09	5.87	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
10/03/12	773.45	8.51	NS	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
03/27/13	776.03	5.93	NS	<0.24	4.1	<0.23	<1.7	1.16	16.5	14.3
06/27/13	779.34	2.62	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	775.74	6.22	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Groundwater Analytical Table
Krivanek Property BRRTS# 03-39-001727

Well MW-5
PVC Elevation = 781.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	775.75	5.70	*14.4*	**71**	*510*	<40	**216**	**1580**	**1288**	**3800**
10/03/12	773.87	7.58	*5*	**239**	**750**	<28.5	**171**	**2460**	**1173**	*1750*
03/27/13	776.53	4.92	**16.7**	**102**	*221*	<11.5	**244**	**1020**	**680**	*1930*
06/27/13	779.17	2.28	**58.7**	*1.18*	21.5	<0.23	6.8	2.44	56.4	64.2
10/01/13	775.36	6.09	**35.5**	**52**	*206*	<0.37	*76*	*171*	*332*	*608*
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-6
PVC Elevation = 781.63 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/03/12	773.16	8.47	*5*	**15.8**	103	<8	*27.2*	9.3	*132*	220
03/27/13	776.24	5.39	<0.7	*0.72*	5.4	<0.23	<1.7	<0.69	7.17	2.05-2.68
06/27/13	778.27	3.36	<0.7	*1.79*	40	<0.23	*18*	6.2	28	40.7
10/01/13	774.60	7.03	<0.7	*1.64*	6.5	<0.37	5	<0.8	6.3	1.05-2.65
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-7
PVC Elevation = 781.46 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/03/12	773.20	8.26	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
03/27/13	775.82	5.64	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
06/27/13	777.82	3.64	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	774.28	7.18	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Well MW-8
PVC Elevation = 781.66 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/03/12	773.37	8.29	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
03/27/13	776.25	5.41	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
06/27/13	778.20	3.46	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	774.52	7.14	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Groundwater Analytical Table
Krivanek Property BRRTS# 03-39-001727

On-site Private Well – N3475 CTH M

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
02/07/12	NM	NM	<0.7	<0.5	<0.78	<0.8	<2.1	<0.53	<1.54	<1.9
10/03/12	NM	NM	<0.7	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
03/27/13	NM	NM	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
06/27/13	NM	NM	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	NM	NM	<0.7	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

Private Well – N3591 Liberty St. (County Road M)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
10/03/12	NM	NM	<0.7	<0.46	<0.46	<0.57	<2.3	<0.48	<1.57	<1.45
03/27/13	NM	NM	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
06/27/13	NM	NM	NS	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
10/01/13	NM	NM	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD **ES = Bold**			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			1.5	0.5	140	12	10	160	96	400

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

A.1 Groundwater Analytical Table
(PAH)
Krivanek Property BRRTS# 03-39-001727

Well MW-1
PVC Elevation = 782.60 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	0.06	<0.07	<0.045	<0.7	<0.055	<0.065	<0.075	<0.075	<0.065	<0.08	<0.06	0.052	<0.075	11.4	6.1	33	<0.05	<0.065
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

Well MW-2
PVC Elevation = 782.84 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	<0.01	<0.014	<0.009	<0.014	<0.011	<0.013	<0.015	<0.015	<0.013	<0.016	<0.012	<0.008	<0.015	<0.009	<0.013	<0.015	<0.01	<0.013
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

Well MW-3
PVC Elevation = 782.46 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	<0.01	<0.014	<0.009	<0.014	<0.011	<0.013	<0.015	<0.015	<0.013	<0.016	<0.012	<0.008	<0.015	<0.009	<0.013	<0.015	<0.01	<0.013
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

Well MW-4
PVC Elevation = 781.96 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	<0.01	<0.014	<0.009	<0.014	<0.011	<0.013	<0.015	<0.015	<0.013	<0.016	<0.012	<0.008	<0.015	<0.009	<0.013	<0.015	<0.01	<0.013
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

Well MW-5
PVC Elevation = 781.45 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	<0.2	<0.28	<0.18	<0.28	<0.22	<0.26	<0.3	<0.3	<0.26	<0.32	<0.24	<0.16	<0.3	24.9	24.8	101	<0.2	<0.26
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

On-site Private Well – N3475 CTH M

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
02/07/12	<0.01	<0.014	<0.009	<0.014	<0.011	<0.013	<0.015	<0.015	<0.013	<0.016	<0.012	<0.008	<0.015	<0.009	<0.013	<0.015	<0.01	<0.013
ENFORCE MENT STANDARD = ES **Bold**			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	40	==	250
PREVENTIVE ACTION LIMIT = PAL *Italics*			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	8	==	50

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled

Groundwater Analytical Table
(VOC's)
Krivanek Property BRRTS# 03-39-001727

Well Sampling Conducted on:	02/07/12	02/07/12	02/07/12	02/07/12	02/07/12	02/07/12	10/03/12	10/03/12	10/03/12		
VOC's										**ENFORCE MENT STANDARD = ES – Bold**	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Well Name	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**On-site Private Well**	**MW-6**	**MW-7**	**MW-8**		
Lead/ppb	**24.1**	< 0.7	< 0.7	< 0.7	*14.4*	< 0.7	*5*	< 0.7	< 0.7	**15**	*1.5*
Benzene/ppb	**78 "J"**	< 0.5	< 0.5	< 0.5	**71 "J"**	< 0.5	**15.8 "J"**	< 0.5	< 0.5	**5**	*0.5*
Bromobenzene/ppb	< 37	< 0.74	< 0.74	< 0.74	< 37	< 0.74	< 7.4	< 0.74	< 0.74	==	==
Bromodichloromethane/ppb	< 34	< 0.68	< 0.68	< 0.68	< 34	< 0.68	< 6.8	< 0.68	< 0.68	==	==
Bromoform/ppb	< 21.5	< 0.43	< 0.43	< 0.43	< 21.5	< 0.43	< 4.3	< 0.43	< 0.43	==	==
tert-Butylbenzene/ppb	< 35.5	< 0.71	< 0.71	< 0.71	< 35.5	< 0.71	< 7.1	< 0.71	< 0.71	==	==
sec-Butylbenzene/ppb	< 50	< 1	< 1	< 1	< 50	< 1	< 10	< 1	< 1	==	==
n-Butylbenzene/ppb	< 45	< 0.9	< 0.9	< 0.9	< 45	< 0.9	< 9	< 0.9	< 0.9	==	==
Carbon Tetrachloride/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 23.5	< 0.47	< 4.7	< 0.47	< 0.47	==	==
Chlorobenzene/ppb	< 25.5	< 0.51	< 0.51	< 0.51	< 25.5	< 0.51	< 5.1	< 0.51	< 0.51	==	==
Chloroethane/ppb	< 70	< 1.4	< 1.4	< 1.4	< 70	< 1.4	< 14	< 1.4	< 1.4	==	==
Chloroform/ppb	< 24.5	< 0.49	< 0.49	< 0.49	< 24.5	< 0.49	< 4.9	< 0.49	< 0.49	==	==
Chloromethane/ppb	< 95	< 1.9	< 1.9	< 1.9	< 95	< 1.9	< 19	< 1.9	< 1.9	==	==
2-Chlorotoluene/ppb	< 35	< 0.7	< 0.7	< 0.7	< 35	< 0.7	< 7	< 0.7	< 0.7	==	==
4-Chlorotoluene/ppb	< 22	< 0.44	< 0.44	< 0.44	< 22	< 0.44	< 4.4	< 0.44	< 0.44	==	==
1,2-Dibromo-3-chloropropane/ppb	< 140	< 2.8	< 2.8	< 2.8	< 140	< 2.8	< 28	< 2.8	< 2.8	==	==
Dibromochloromethane/ppb	< 27.5	< 0.55	< 0.55	< 0.55	< 27.5	< 0.55	< 5.5	< 0.55	< 0.55	==	==
1,4-Dichlorobenzene/ppb	< 49	< 0.98	< 0.98	< 0.98	< 49	< 0.98	< 9.8	< 0.98	< 0.98	==	==
1,3-Dichlorobenzene/ppb	< 43.5	< 0.87	< 0.87	< 0.87	< 43.5	< 0.87	< 8.7	< 0.87	< 0.87	==	==
1,2-Dichlorobenzene/ppb	< 38	< 0.76	< 0.76	< 0.76	< 38	< 0.76	< 7.6	< 0.76	< 0.76	==	==
Dichlorodifluoromethane/ppb	< 90	< 1.8	< 1.8	< 1.8	< 90	< 1.8	< 18	< 1.8	< 1.8	==	==
1,2-Dichloroethane/ppb	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 5	< 0.5	< 0.5	**5**	*0.5*
1,1-Dichloroethane/ppb	< 49	< 0.98	< 0.98	< 0.98	< 49	< 0.98	< 9.8	< 0.98	< 0.98	==	==
1,1-Dichloroethene/ppb	< 30	< 0.6	< 0.6	< 0.6	< 30	< 0.6	< 6	< 0.6	< 0.6	==	==
cis-1,2-Dichloroethene/ppb	< 37	< 0.74	< 0.74	< 0.74	< 37	< 0.74	< 7.4	< 0.74	< 0.74	==	==
trans-1,2-Dichloroethene/ppb	< 39.5	< 0.79	< 0.79	< 0.79	< 39.5	< 0.79	< 7.9	< 0.79	< 0.79	==	==
1,2-Dichloropropane/ppb	< 20	< 0.4	< 0.4	< 0.4	< 20	< 0.4	< 4	< 0.4	< 0.4	==	==
2,2-Dichloropropane/ppb	< 95	< 1.9	< 1.9	< 1.9	< 95	< 1.9	< 19	< 1.9	< 1.9	==	==
1,3-Dichloropropane/ppb	< 35.5	< 0.71	< 0.71	< 0.71	< 35.5	< 0.71	< 7.1	< 0.71	< 0.71	==	==
Di-isopropyl ether/ppb	< 34.5	< 0.69	< 0.69	< 0.69	< 34.5	< 0.69	< 6.9	< 0.69	< 0.69	==	==
EDB (1,2-Dibromoethane)/ppb	< 31.5	< 0.63	< 0.63	< 0.63	< 31.5	< 0.63	< 6.3	< 0.63	< 0.63	**0.05**	*0.005*
Ethylbenzene/ppb	*510*	< 0.78	< 0.78	< 0.78	510	< 0.78	103	< 0.78	< 0.78	**700**	*140*
Hexachlorobutadiene/ppb	< 110	< 2.2	< 2.2	< 2.2	< 110	< 2.2	< 22	< 2.2	< 2.2	==	==
Isopropylbenzene/ppb	< 46	< 0.92	< 0.92	< 0.92	< 46	< 0.92	< 9.2	< 0.92	< 0.92	==	==
p-Isopropyltoluene/ppb	< 46	< 0.92	< 0.92	< 0.92	< 46	< 0.92	< 9.2	< 0.92	< 0.92	==	==
Methylene chloride/ppb	< 55	< 1.1	< 1.1	< 1.1	< 55	< 1.1	< 11	< 1.1	< 1.1	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 40	< 0.8	< 0.8	< 0.8	< 40	< 0.8	< 8	< 0.8	< 0.8	**60**	*12*
Naphthalene/ppb	**192 "J"**	< 2.1	< 2.1	< 2.1	**216 "J"**	< 2.1	*27.2 "J"*	< 2.1	< 2.1	**100**	*10*
n-Propylbenzene/ppb	96	< 0.59	< 0.59	< 0.59	71 "J"	< 0.59	20.5	< 0.59	< 0.59	==	==
1,1,2,2-Tetrachloroethane/ppb	< 26.5	< 0.53	< 0.53	< 0.53	< 26.5	< 0.53	< 5.3	< 0.53	< 0.53	==	==
1,1,1,2-Tetrachloroethane/ppb	< 50	< 1	< 1	< 1	< 50	< 1	< 10	< 1	< 1	==	==
Tetrachloroethene (PCE)/ppb	< 22	< 0.44	< 0.44	< 0.44	< 22	< 0.44	< 4.4	< 0.44	< 0.44	**5**	*0.5*
Toluene/ppb	**1710**	< 0.53	< 0.53	< 0.53	**1580**	< 0.53	9.3 "J"	< 0.53	< 0.53	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 75	< 1.5	< 1.5	< 1.5	< 75	< 1.5	< 15	< 1.5	< 1.5	==	==
1,2,3-Trichlorobenzene/ppb	< 65	< 1.3	< 1.3	< 1.3	< 65	< 1.3	< 13	< 1.3	< 1.3	==	==
1,1,1-Trichloroethane/ppb	< 42.5	< 0.85	< 0.85	< 0.85	< 42.5	< 0.85	< 8.5	< 0.85	< 0.85	==	==
1,1,2-Trichloroethane/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 23.5	< 0.47	< 4.7	< 0.47	< 0.47	==	==
Trichloroethene (TCE)/ppb	< 23.5	< 0.47	< 0.47	< 0.47	< 23.5	< 0.47	< 4.7	< 0.47	< 0.47	**5**	*0.5*
Trichlorofluoromethane/ppb	< 85	< 1.7	< 1.7	< 1.7	< 85	< 1.7	< 17	< 1.7	< 1.7	==	==
1,2,4-Trimethylbenzene/ppb	**820**	< 0.8	< 0.8	< 0.8	**990**	< 0.8	*92*	< 0.8	< 0.8		
1,3,5-Trimethylbenzene/ppb	**223**	< 0.74	< 0.74	< 0.74	**298**	< 0.74	*40*	< 0.74	< 0.74	**480**	*96*
Vinyl Chloride/ppb	< 9	< 0.18	< 0.18	< 0.18	< 9	< 0.18	< 1.8	< 0.18	< 0.18	==	==
m&p-Xylene/ppb	**2390**	< 1.1	< 1.1	< 1.1	**2750**	< 1.1	161	< 1.1	< 1.1		
o-Xylene/ppb	**1000**	< 0.8	< 0.8	< 0.8	**1050**	< 0.8	59	< 0.8	< 0.8	**2000**	*400*
Nitrite Plus Nitrate, Dissolved/ppm	0.1	*2*	*2*	*2.4*	<0.1	ns	<0.1	1.6	0.96	**10**	*2*
Sulfate, Dissolved/ppm	7.9	21.4	5.4	7.1	7.3	ns	3.59	8.74	9.99	==	==
Iron, Dissolved/ppb	2420	<60	<60	<60	4300	ns	<60	<60	<60	==	==
Manganese, Dissolved/ppb	*215*	*70.1*	31	*169*	**962**	ns	**1210**	**478**	*125*	**300**	*60*

NS = not sampled, NM = Not Measured
"J" = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = no exceedences

Groundwater NA Indicator Results
Krivanek Property BRRTS# 03-39-001727

Monitoring Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/07/12	3.44	5.85	163	5.40	60	0.1	7.9	2420	*215*
10/03/12	0.97	6.73	69	18.10	62	<0.1	5.94	700	*253*
03/27/13	0.59	2.77	195	6.70	81.2	NS	NS	NS	NS
06/27/13	0.59	6.5	-1	16.90	195.0	NS	NS	NS	NS
10/01/13	0.12	5.41	-21	18.00	132.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/07/12	4.96	5.65	177	5.20	67	*2.0*	21.4	<60	*70.1*
10/03/12	3.23	6.58	355	17.10	87	0.1	7.86	<60	12.4
03/27/13	4.93	2.73	366	4.10	109	NS	NS	NS	NS
06/27/13	5.42	7	131	17.90	290	NS	NS	NS	NS
10/01/13	3.63	5.79	31	17.90	69.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/07/12	6.27	5.81	303	4.60	44	*2.0*	5.4	<60	34.0
10/03/12	2.13	6.34	377	17.00	70	1.75	7.48	<60	**892**
03/27/13	5.77	2.55	258	4.20	64.2	NS	NS	NS	NS
06/27/13	3.65	6.36	147	19.50	110	NS	NS	NS	NS
10/01/13	2.47	5.81	55	17.20	62.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/07/12	5.02	6.19	185	5.70	94	*2.4*	7.1	<60	*169*
10/03/12	2.88	6.71	405	19.20	325	*3.47*	6.13	<60	**1390**
03/27/13	4.82	2.69	416	4.60	148.8	NS	NS	NS	NS
06/27/13	4.84	6.84	118	20.60	148	NS	NS	NS	NS
10/01/13	2.87	6.55	16	19.40	98.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Groundwater NA Indicator Results
Krivanek Property BRRTS# 03-39-001727

Monitoring Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
02/07/12	3.12	6.32	92	4.10	146	<0.1	7.3	4300	**962**
10/03/12	0.66	6.75	74	18.80	109	<0.1	<3.4	4570	**1610**
03/27/13	3.45	3.07	99	3.80	271.5	NS	NS	NS	NS
06/27/13	1.37	7.11	129	21.60	493	NS	NS	NS	NS
10/01/13	0.31	6.04	-71	19.60	283.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/03/12	1.13	6.93	338	18.40	221	<0.1	3.59	<60	**1210**
03/27/13	6.07	2.88	263	4.90	571	NS	NS	NS	NS
06/27/13	1.82	7.27	155	17.60	1010	NS	NS	NS	NS
10/01/13	0.93	6.65	-61	17.70	344.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/03/12	1.60	6.77	182	18.90	280	1.6	8.74	<60	**478**
03/27/13	2.15	2.92	251	4.20	352.9	NS	NS	NS	NS
06/27/13	5.31	7.56	124	19.90	1148	NS	NS	NS	NS
10/01/13	0.90	6.71	10	20.30	284.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

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

Monitoring Well MW-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppb)	Man-ganese (ppb)
10/03/12	2.55	6.73	390	18.40	270	0.96	9.99	<60	*125*
03/27/13	2.67	2.95	271	5.40	187.8	NS	NS	NS	NS
06/27/13	3.69	6.84	171	18.40	952	NS	NS	NS	NS
10/01/13	0.71	6.30	68	19.20	198.0	NS	NS	NS	NS
ENFORCE MENT STANDARD = **ES – Bold**						10	-	-	300
PREVENTIVE ACTION LIMIT = *PAL - Italics*						2	-	-	60

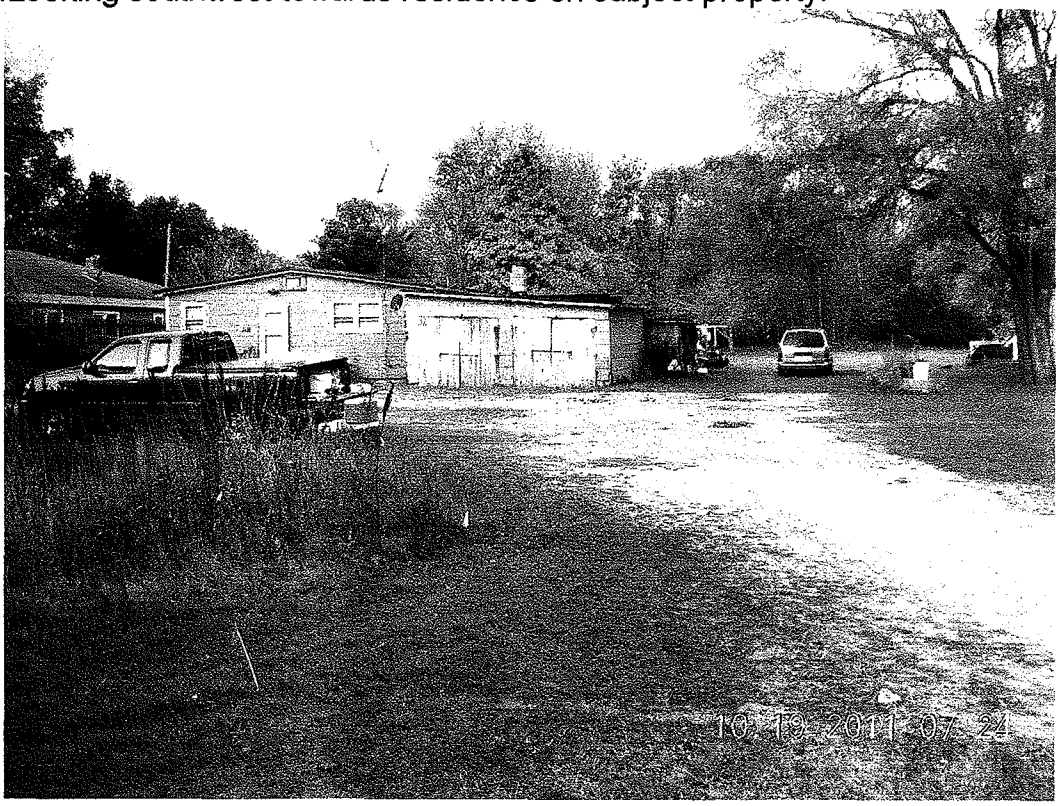
(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

8.0 SITE PHOTOGRAPHS

Site Investigation Report - METCO
Krivanek Property

Photo #1: Looking northwest towards shed on subject property.

Photo #2:Looking southwest towards residence on subject property.



APPENDIX A/ METHODS OF INVESTIGATION

Geoprobe Project

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

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

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

Geoprobe Soil Sampling

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

Geoprobe Groundwater Sampling

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

Drilling Project

Soil borings were conducted by Soil Essentials of New Glarus, 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.

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 Soil Essentials 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 20-60 gallons of groundwater was then removed with a

small electrical submersible pump. Well Development Forms are presented in Appendix C.

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

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

Sample Preparation

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

Field Sampling and Transportation Quality Control

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

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

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

Laboratory Quality Control

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

Investigative Wastes

On November 28, 2011, DKS Construction Services, Inc. of Menomonie, Wisconsin picked-up and disposed of three drums of soil cuttings and two drums of purge water to the Veolia Seven Mile Creek Landfill in Eau Claire, Wisconsin.

On August 12, 2013, DKS Transport Services, LLC. of Menomonie, Wisconsin picked-up and disposed of one drums of soil cuttings to the Advanced Disposal Seven Mile

Site Investigation Report - METCO
Krivanek Property

Creek Landfill in Eau Claire, Wisconsin.

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS

MID-STATE ASSOCIATES, INC.

LEAKING UNDERGROUND STORAGE TANK PROGRAM

CLIENT: MARELL INC. - PROJECT: ED KRIVANEK

WORK ORDER #: 14122

TEMPERATURE INFORMATION: 6.5° C ON ICE

Upon receipt, samples are logged in and given lab I.D. numbers. Once the Chain of Custody has been signed, dated and the proper sample I.D. number is recorded, the sample is then transported to a laboratory refrigerator. The sample refrigerator is maintained and checked daily for a required temperature of 2-4°C. Samples remain refrigerated until ready to be analyzed. Results for non-aqueous samples are reported on a dry weight basis. All methods used are specified in the LUST Analytical Guidance Manual April 1992; Part 3 Table I and II. Unless otherwise noted, the condition of all samples is good. {METHOD KEY: GRO=WDNR Modified GRO, DRO=WDNR Modified DRO, TRPH=WDNR Modified 9073 TRPH, GRO/PVOC=WDNR Modified GRO/PVOC}

Sample I.D. #	Method	Date Sampled	Date Sample Received	Date Sample Ext./Dig.	Date Sample Analyzed
110692-011	DRO*	11-5-92	11-6-92	11-6-92	11-12-92

COMMENTS: *WI MODIFIED

MID-STATE ASSOCIATES, INC.
Environmental and Analytical Services
1230 Lange Ct
Baraboo, WI 53913
608 - 356 - 1777

Marell, Inc. (Ed Krivanek)
Attn: Tanya Herbeck
Route 2, Box 190

Hillpoint, WI 54634

Client # : 2616
REF # : 1-4122
Sample ID # 110692-011
Report Date 11/19/92
Sample Date 11/5/92

Site Description : UNDER 1000 GALLON DIESEL

TEST NAME	Result	Units
78919 Modified DRO.....	690	mg/Kg
CONTAINS FRACTIONS LIGHTER THAN DRO HYDROCARBONS		

Notes :

Submitted by

WI DNR LAB CERTIFICATION # 157066030
DHSS CERTIFICATION # MW0289

#2610

Chain of Custody Record

SOIL

Site Identification: ED Krivanek	Sample Collector: Tanya Herbeck
Address: Packwaukee, WI	Address: MARTU INC
Telephone Number: ( )	Telephone Number: (608) 489-2546

Field ID Number	Collection Date	Collection Time	Sample Matrix	Sample Device	Preserv. Type	No. & Type Bottles	Location/Description	Analysis: GRO	DRO	PVOC	VOC	METALS	TRPH	OTHER	Lab Use Only: Condition	Lab ID
1	11/5/92	10:30	Soil	Syringe		3	under 1000 gal Diesel		X							110692-C11

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

RELINQUISHED BY:(SIGNATURE)	DATE/TIME	RECEIVED BY:(SIGNATURE)	DATE/TIME
Tanya Herbeck	11/6/92 7AM		
RELINQUISHED BY:(SIGNATURE)	DATE/TIME	RECEIVED BY:(SIGNATURE)	DATE/TIME
METHOD OF SHIPMENT/ARRIVAL TEMPERATURE		RECEIVED BY LAB:(SIGNATURE)	DATE/TIME
Hand delivered		Shawn M.	11/6 10:55 (6.5°)
DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS		DEPARTMENT USE ONLY	

CHECKED

Disposition of unused portion of sample

Dispose	Retain for ____ days
Return	Other

Laboratory should:

Split samples: Offered? Yes / No — Check one

Accepted? Yes / No — Check one

Accepted By: _____

CTLaboratories

1230 Lange Court
Baraboo, WI 53913-3109
Phone: (800) 228-3012
Fax: (608) 356-2766
www.ctlaboratories.com

ANALYTICAL REPORT

MSA PROFESSIONAL SERVICES
JAYNE ENGLEBERT
1230 SOUTH BLVD
BARABOO, WI 53913

Project Name: KRIVANEK PROPERTY
Contract #: 1362
Project #: 213043
Folder #: 31134
Purchase Order #:
Arrival Temperature: See COC
Report Date: 12/23/2002
Date Received: 12/10/2002
Reprint Date:

CTI LAB#: 167616 Sample Description: B-1 4-6 Sampled: 12/10/2002 0925

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Solids, Percent	89.3	%	N/A	N/A	1			12/11/2002	GCE	EPA 5030A
Organic Results										
Diesel Range Organics	<4.5	mg/kg	4.5	15	1	Q	12/18/2002	12/19/2002	JRC	WDNR DRO
Gasoline Range Organics	<1.6	mg/kg	1.8	6.2	1		12/11/2002	12/16/2002	PRH	WDNR GRO
Benzene	<0.025	mg/kg	0.010	0.034	1		12/11/2002	12/16/2002	PRH	EPA 8020
Ethylbenzene	<0.025	mg/kg	0.013	0.044	1		12/11/2002	12/16/2002	PRH	EPA 8020
Methyl tert-butyl ether	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
Toluene	<0.025	mg/kg	0.011	0.038	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.013	0.042	1		12/11/2002	12/16/2002	PRH	EPA 8020
m & p-Xylene	<0.025	mg/kg	0.024	0.079	1		12/11/2002	12/16/2002	PRH	EPA 8020
o-Xylene	<0.025	mg/kg	0.014	0.046	1		12/11/2002	12/16/2002	PRH	EPA 8020

CTI LAB#: 167617 Sample Description: B-1 Sampled: 12/10/2002 0940

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	<40	ug/L	40	130	100			12/12/2002	ECO	EPA 8020
Ethylbenzene	370	ug/L	40	130	100			12/12/2002	ECO	EPA 8020
Methyl tert-butyl ether	<40	ug/L	40	150	100			12/12/2002	ECO	EPA 8020

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 167617 Sample Description: B-1 Sampled: 12/10/2002 0940

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Toluene	61	ug/L	40 *	130	100			12/12/2002	ECO	EPA 8020
1,2,4-Trimethylbenzene	2400	ug/L	50	170	100			12/12/2002	ECO	EPA 8020
1,3,5-Trimethylbenzene	800	ug/L	40	140	100			12/12/2002	ECO	EPA 8020
m & p-Xylene	4700	ug/L	90	310	100			12/12/2002	ECO	EPA 8020
o-Xylene	2000	ug/L	50	160	100			12/12/2002	ECO	EPA 8020

CTI LAB#: 167618 Sample Description: B-2 4-6 Sampled: 12/10/2002 956

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Solids, Percent	90.1	%	N/A	N/A	1			12/11/2002	GCE	EPA 5030A
Organic Results										
Diesel Range Organics	<4.4	mg/kg	4.4	14	1	Q	12/18/2002	12/19/2002	JRC	WDNR DRO
Gasoline Range Organics	3.4	mg/kg	1.8 *	6.1	1	L	12/11/2002	12/12/2002	PRH	WDNR GRO
Benzene	<0.025	mg/kg	0.010	0.034	1		12/11/2002	12/12/2002	PRH	EPA 8020
Ethylbenzene	<0.025	mg/kg	0.013	0.044	1		12/11/2002	12/12/2002	PRH	EPA 8020
Methyl tert-butyl ether	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/12/2002	PRH	EPA 8020
Toluene	<0.025	mg/kg	0.011	0.038	1		12/11/2002	12/12/2002	PRH	EPA 8020
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/12/2002	PRH	EPA 8020
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.013	0.042	1		12/11/2002	12/12/2002	PRH	EPA 8020
m & p-Xylene	<0.025	mg/kg	0.024	0.079	1		12/11/2002	12/12/2002	PRH	EPA 8020
o-Xylene	<0.025	mg/kg	0.014	0.046	1		12/11/2002	12/12/2002	PRH	EPA 8020

CTI LAB#: 167619 Sample Description: B-3 Sampled: 12/10/2002 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	41	ug/L	40 *	130	100			12/17/2002	ECO	EPA 8020
Ethylbenzene	1100	ug/L	40	130	100			12/17/2002	ECO	EPA 8020
Methyl tert-butyl ether	<40	ug/L	40	150	100			12/17/2002	ECO	EPA 8020
Toluene	2400	ug/L	40	130	100			12/17/2002	ECO	EPA 8020

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 167619 Sample Description: B-3 Sampled: 12/10/2002 1025

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,2,4-Trimethylbenzene	2100	ug/L	50	170	100			12/17/2002	ECO	EPA 8020
1,3,5-Trimethylbenzene	700	ug/L	40	140	100			12/17/2002	ECO	EPA 8020
m & p-Xylene	6900	ug/L	90	310	100			12/17/2002	ECO	EPA 8020
o-Xylene	3000	ug/L	50	160	100			12/17/2002	ECO	EPA 8020

CTI LAB#: 167620 Sample Description: B-4 4-6 Sampled: 12/10/2002 1040

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Solids, Percent	89.3	%	N/A	N/A	1			12/11/2002	GCE	EPA 5030A
Organic Results										
Diesel Range Organics	<4.5	mg/kg	4.5	15	1	Q	12/18/2002	12/19/2002	JRC	WDNR DRO
Gasoline Range Organics	<1.6	mg/kg	1.8	6.2	1		12/11/2002	12/16/2002	PRH	WDNR GRO
Benzene	<0.025	mg/kg	0.010	0.034	1		12/11/2002	12/16/2002	PRH	EPA 8020
Ethylbenzene	<0.025	mg/kg	0.013	0.044	1		12/11/2002	12/16/2002	PRH	EPA 8020
Methyl tert-butyl ether	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
Toluene	<0.025	mg/kg	0.011	0.038	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.013	0.042	1		12/11/2002	12/16/2002	PRH	EPA 8020
m & p-Xylene	<0.025	mg/kg	0.024	0.079	1		12/11/2002	12/16/2002	PRH	EPA 8020
o-Xylene	<0.025	mg/kg	0.014	0.046	1		12/11/2002	12/16/2002	PRH	EPA 8020

CTI LAB#: 167621 Sample Description: B-4 Sampled: 12/10/2002 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	<0.40	ug/L	0.40	1.3	1			12/16/2002	ECO	EPA 8020
Ethylbenzene	<0.40	ug/L	0.40	1.3	1			12/16/2002	ECO	EPA 8020
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/16/2002	ECO	EPA 8020
Toluene	0.41	ug/L	0.40 *	1.3	1			12/16/2002	ECO	EPA 8020
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1.7	1	M		12/16/2002	ECO	EPA 8020

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 167621 Sample Description: B-4 Sampled: 12/10/2002 1045

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.4	1	M		12/16/2002	ECO	EPA 8020
m & p-Xylene	<0.90	ug/L	0.90	3.1	1			12/16/2002	ECO	EPA 8020
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/16/2002	ECO	EPA 8020

CTI LAB#: 167622 Sample Description: B-5 4-6 Sampled: 12/10/2002 1110

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Solids, Percent	90.9	%	N/A	N/A	1			12/11/2002	GCE	EPA 5030A
Organic Results										
Diesel Range Organics	<4.4	mg/kg	4.4	14	1	Q	12/18/2002	12/19/2002	JRC	WDNR DRO
Gasoline Range Organics	<1.6	mg/kg	1.8	6.1	1		12/11/2002	12/12/2002	PRH	WDNR GRO
Benzene	<0.025	mg/kg	0.010	0.034	1		12/11/2002	12/12/2002	PRH	EPA 8020
Ethylbenzene	<0.025	mg/kg	0.013	0.044	1		12/11/2002	12/12/2002	PRH	EPA 8020
Methyl tert-butyl ether	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/12/2002	PRH	EPA 8020
Toluene	<0.025	mg/kg	0.011	0.038	1		12/11/2002	12/12/2002	PRH	EPA 8020
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/12/2002	PRH	EPA 8020
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.013	0.042	1		12/11/2002	12/12/2002	PRH	EPA 8020
m & p-Xylene	<0.025	mg/kg	0.024	0.079	1		12/11/2002	12/12/2002	PRH	EPA 8020
o-Xylene	<0.025	mg/kg	0.014	0.046	1		12/11/2002	12/12/2002	PRH	EPA 8020

CTI LAB#: 167623 Sample Description: B-5 Sampled: 12/10/2002 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	<0.40	ug/L	0.40	1.3	1			12/14/2002	ECO	EPA 8020
Ethylbenzene	<0.40	ug/L	0.40	1.3	1			12/14/2002	ECO	EPA 8020
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/14/2002	ECO	EPA 8020
Toluene	0.63	ug/L	0.40 *	1.3	1			12/14/2002	ECO	EPA 8020
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1.7	1			12/14/2002	ECO	EPA 8020
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.4	1			12/14/2002	ECO	EPA 8020

Solid sample results reported on a Dry Weight Basis

CTI LAB#: 167623 Sample Description: B-5 Sampled: 12/10/2002 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
m & p-Xylene	<0.90	ug/L	0.90	3.1	1			12/14/2002	ECO	EPA 8020
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/14/2002	ECO	EPA 8020

CTI LAB#: 167624 Sample Description: B-6 4-6 Sampled: 12/10/2002 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Solids, Percent	91.4	%	N/A	N/A	1			12/11/2002	GCE	EPA 5030A
Organic Results										
Diesel Range Organics	<4.4	mg/kg	4.4	14	1	Q	12/18/2002	12/19/2002	JRC	WDNR DRO
Gasoline Range Organics	5.4	mg/kg	1.8 *	6.0	1	L	12/11/2002	12/16/2002	PRH	WDNR GRO
Benzene	<0.025	mg/kg	0.010	0.034	1		12/11/2002	12/16/2002	PRH	EPA 8020
Ethylbenzene	<0.025	mg/kg	0.013	0.044	1		12/11/2002	12/16/2002	PRH	EPA 8020
Methyl tert-butyl ether	<0.025	mg/kg	0.012	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
Toluene	<0.025	mg/kg	0.011	0.038	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012 *	0.039	1		12/11/2002	12/16/2002	PRH	EPA 8020
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.013	0.042	1		12/11/2002	12/16/2002	PRH	EPA 8020
m & p-Xylene	<0.025	mg/kg	0.024	0.079	1		12/11/2002	12/16/2002	PRH	EPA 8020
o-Xylene	<0.025	mg/kg	0.014	0.046	1		12/11/2002	12/16/2002	PRH	EPA 8020

CTI LAB#: 167625 Sample Description: B-6 Sampled: 12/10/2002 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	1400	ug/L	400	1300	1,000			12/16/2002	ECO	EPA 8020
Ethylbenzene	3600	ug/L	400	1300	1,000			12/16/2002	ECO	EPA 8020
Methyl tert-butyl ether	<400	ug/L	400	1500	1,000			12/16/2002	ECO	EPA 8020
Toluene	24000	ug/L	400	1300	1,000			12/16/2002	ECO	EPA 8020
1,2,4-Trimethylbenzene	2700	ug/L	500	1700	1,000			12/16/2002	ECO	EPA 8020
1,3,5-Trimethylbenzene	1000	ug/L	400 *	1400	1,000			12/16/2002	ECO	EPA 8020
m & p-Xylene	12000	ug/L	900	3100	1,000			12/16/2002	ECO	EPA 8020

Solid sample results reported on a Dry Weight Basis

CTI LAB#:	167625	Sample Description:	B-6	Sampled:	12/10/2002 1140

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
o-Xylene	5500	ug/L	500	1600	1,000			12/16/2002	ECO	EPA 8020

CTI LAB#:	167626	Sample Description:	TRIP BLANK	Sampled:	12/10/2002

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
Benzene	<0.40	ug/L	0.40	1.3	1			12/16/2002	ECO	EPA 8020
Ethylbenzene	<0.40	ug/L	0.40	1.3	1			12/16/2002	ECO	EPA 8020
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.5	1			12/16/2002	ECO	EPA 8020
Toluene	<0.40	ug/L	0.40	1.3	1			12/16/2002	ECO	EPA 8020
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1.7	1			12/16/2002	ECO	EPA 8020
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.4	1			12/16/2002	ECO	EPA 8020
m & p-Xylene	<0.90	ug/L	0.90	3.1	1			12/16/2002	ECO	EPA 8020
o-Xylene	<0.50	ug/L	0.50	1.6	1			12/16/2002	ECO	EPA 8020

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: _____

Record Reviewer

QC Qualifiers

Code	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.

Solid sample results reported on a Dry Weight Basis

COC # 8000 — UST Chai — Page ____ of ____

Company Name: MSA - Baraboo
Project Contact: Jayne Englebert
Telephone: 608 - 356 - 2771
Project Name: Krivanek Property
Project Number: 213043
Project Location (State): WI
Sampled By (Print): Jayne Englebert

Commwealth Technology, Inc.
1230 Lange Court
Baraboo, WI 53913
Phone: 800-228-3012
608-356-2760
Fax: 608-356-2766
email: cti@ctienv.com

Folder #: 31134
Company: MSA PROFESSIONAL S
Project: KRIVANEK PROPERTY
Logged By: JLW PM: ETK

Mail Report To: Jayne Englebert
Company: MSA
Address: 1230 South Blvd
City/State/Zip: Baraboo, WI 53913

Invoice To: Same as above
Company:
Address:
City/State/Zip:

P.O. No.:
Contract No.:

Cooler # 243
CTI lab use only
Ice Present (Yes) No
Temperature 3.7
Initials JLW
Date 12/10/02 Time 1434

Regulatory Program (circle):
(UST) RCRA SDWA NPDES
Solid Waste Other ____

RUSH	HOLD	Condition	PCB

Turnaround Time
X Normal ____ RUSH* Date Needed: ____
*Notify lab prior to sending in RUSH
Surcharges: 24 hr. 200 % 2-3 days 100 % 4-9 days 50 %
Surcharges subject to change without notice

Landfill License Number not applicable

Client Special Instructions: analyze soils for DRO + GRO/PVOCs; analyze gw for PVOCs

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample I.D.	Filt'd Y/N	WDNR Well ID #	**Matrix	DRO	GRO	GRO/PVOC	PVOC	LEAD	CADMIUM	VOC 8021 LIST	PAH	% SOLIDS	Total No. of Containers	Total No. of Cont. Rec'd	Preservation*	CTI Lab ID #
12-10-02	925	0	--	G	B-1 4-6	N		S	1		1	E					1	3		A/E	167616
"	940	—	—	G	B-1	N		GW				3						3		B	167617
"	956	2	—	G	B-2 4-6	N		S	1		1	E					1	3		A/E	167618
"	1025	—	—	G	B-3	N		GW				3						3		B	167619
"	1040	0	—	G	B-4 4-6	N		S	1		1	E					1	3		A/E	167620
"	1045	—	—	G	B-4	N		GW				3						3		B	167621
"	1110	0	—	G	B-5 4-6	N		S	1		1	E					1	3		A/E	167622
"	1115	—	—	G	B-5	N		GW				2						2		B	167623
"	1130	6	—	G	B-6 4-6	N		S	1		1	E					1	3		A/E	167624
"	1140	—	—	G	B-6	N		GW				2						2		B	167625
"	—	—	—	—	TRIP BLANK	N		W				E/T						1		B	167628

Fill in Spaces with bottles per test

Relinquished By (Signature)	Date/Time	Received By (Signature)
Jayne Englebert	12-10-02/215pm	12-10-02 1434
Relinquished By (Signature)	Date/Time	Received By (Signature)

**Matrix
S - Soil A - Air Slg - Sludge M - Misc Waste
GW - Groudwater SW - Suface Water
WW - Waste Water DW - Drinking Water

* Peservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=Encore F=Methanol
G=NaOH O=Other ____

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report *03-Nov-11*

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990A
Sample ID G-1-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	98.2	%			1	5021		10/24/201	MDK	1
Inorganic										
Metals										
Lead, Total	1.67	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		10/25/201	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/25/201	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		10/25/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/25/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/25/201	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		10/25/201	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		10/25/201	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/25/201	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		10/25/201	CJR	1
PAH SIM										
Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	10/25/201	10/26/201	MJR	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	10/25/201	10/26/201	MJR	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	10/25/201	10/26/201	MJR	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	10/25/201	10/26/201	MJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990A
Sample ID G-1-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	10/25/201	10/26/201	MJR	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	10/25/201	10/26/201	MJR	1
Fluorene	< 10.7	ug/kg	10.7	33.9	1	M8270D	10/25/201	10/26/201	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	10/25/201	10/26/201	MJR	1
1-Methyl naphthalene	< 17.9	ug/kg	17.9	56.9	1	M8270D	10/25/201	10/26/201	MJR	1
2-Methyl naphthalene	< 9.6	ug/kg	9.6	30.4	1	M8270D	10/25/201	10/26/201	MJR	1
Naphthalene	< 10.8	ug/kg	10.8	34.5	1	M8270D	10/25/201	10/26/201	MJR	1
Phenanthrene	< 9.8	ug/kg	9.8	31.1	1	M8270D	10/25/201	10/26/201	MJR	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	10/25/201	10/26/201	MJR	1

Lab 5022990B
Sample ID G-1-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	91.9	%			1	5021		10/24/201	MDK	1
Organic										
General										
Diesel Range Organics	11.0	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC + Naphthalene										
Gasoline Range Organics	18	mg/kg	2.8	8.8	1	GRO95/8021		10/26/201	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/26/201	CJR	1
Ethylbenzene	60	ug/kg	9.2	29	1	GRO95/8021		10/26/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/26/201	CJR	1
Naphthalene	141	ug/kg	13	41	1	GRO95/8021		10/26/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/26/201	CJR	1
1,2,4-Trimethylbenzene	168	ug/kg	9.1	29	1	GRO95/8021		10/26/201	CJR	1
1,3,5-Trimethylbenzene	118	ug/kg	8.5	27	1	GRO95/8021		10/26/201	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/26/201	CJR	1
o-Xylene	92	ug/kg	7.2	23	1	GRO95/8021		10/26/201	CJR	1

Lab 5022990C
Sample ID G-1-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	2.13	ug/l	0.49	1.5	1	GRO95/8021		10/26/201	CJR	1
Ethylbenzene	2.94 "J"	ug/l	0.98	3.1	1	GRO95/8021		10/26/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/26/201	CJR	1
Naphthalene	11.9	ug/l	2	4.4	1	GRO95/8021		10/26/201	CJR	1
Toluene	3.8	ug/l	0.89	2.8	1	GRO95/8021		10/26/201	CJR	1
1,2,4-Trimethylbenzene	420	ug/l	1.4	4.4	1	GRO95/8021		10/26/201	CJR	1
1,3,5-Trimethylbenzene	144	ug/l	1.3	4	1	GRO95/8021		10/26/201	CJR	1
m&p-Xylene	10.2	ug/l	2	6.3	1	GRO95/8021		10/26/201	CJR	1
o-Xylene	2.95 "J"	ug/l	1.2	3.8	1	GRO95/8021		10/26/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990D
Sample ID G-2-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	98.2	%			1	5021		10/24/201	MDK	1
Inorganic										
Metals										
Lead, Total	5.36	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		10/26/201	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/26/201	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		10/26/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/26/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/26/201	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		10/26/201	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		10/26/201	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/26/201	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		10/26/201	CJR	1
PAH SIM										
Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	10/25/201	10/26/201	MJR	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	10/25/201	10/26/201	MJR	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	10/25/201	10/26/201	MJR	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	10/25/201	10/26/201	MJR	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	10/25/201	10/26/201	MJR	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	10/25/201	10/26/201	MJR	1
Fluorene	< 10.7	ug/kg	10.7	33.9	1	M8270D	10/25/201	10/26/201	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	10/25/201	10/26/201	MJR	1
1-Methyl naphthalene	< 17.9	ug/kg	17.9	56.9	1	M8270D	10/25/201	10/26/201	MJR	1
2-Methyl naphthalene	< 9.6	ug/kg	9.6	30.4	1	M8270D	10/25/201	10/26/201	MJR	1
Naphthalene	< 10.8	ug/kg	10.8	34.5	1	M8270D	10/25/201	10/26/201	MJR	1
Phenanthrene	< 9.8	ug/kg	9.8	31.1	1	M8270D	10/25/201	10/26/201	MJR	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	10/25/201	10/26/201	MJR	1

Lab 5022990E
Sample ID G-2-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	91.1	%			1	5021		10/24/201	MDK	1
Organic										
General										

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990E
Sample ID G-2-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Diesel Range Organics	1440	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1 54
GRO/PVOC + Naphthalene										
Gasoline Range Organics	1060	mg/kg	28	88	10	GRO95/8021		10/26/201	CJR	1
Benzene	< 250	ug/kg	71	230	10	GRO95/8021		10/26/201	CJR	1
Ethylbenzene	3700	ug/kg	92	290	10	GRO95/8021		10/26/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	100	330	10	GRO95/8021		10/26/201	CJR	1
Naphthalene	2770	ug/kg	130	410	10	GRO95/8021		10/26/201	CJR	1
Toluene	1200	ug/kg	99	320	10	GRO95/8021		10/26/201	CJR	1
1,2,4-Trimethylbenzene	18300	ug/kg	91	290	10	GRO95/8021		10/26/201	CJR	1
1,3,5-Trimethylbenzene	37000	ug/kg	85	270	10	GRO95/8021		10/26/201	CJR	1
m&p-Xylene	3600	ug/kg	180	560	10	GRO95/8021		10/26/201	CJR	1
o-Xylene	10200	ug/kg	72	230	10	GRO95/8021		10/26/201	CJR	1

Lab 5022990F
Sample ID G-2-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	15.4	ug/l	4.9	15	10	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	480	ug/l	9.8	31	10	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	GRO95/8021		10/28/201	CJR	1
Naphthalene	295	ug/l	20	44	10	GRO95/8021		10/28/201	CJR	1
Toluene	920	ug/l	8.9	28	10	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	1970	ug/l	14	44	10	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	600	ug/l	13	40	10	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	2060	ug/l	20	63	10	GRO95/8021		10/28/201	CJR	1
o-Xylene	840	ug/l	12	38	10	GRO95/8021		10/28/201	CJR	1

Lab 5022990G
Sample ID G-3-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	90.1	%			1	5021		10/25/201	MJR	1
Inorganic										
Metals										
Lead, Total	27.0	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	23.2	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1 43
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		10/28/201	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/28/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/28/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990G
Sample ID G-3-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/28/201	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		10/28/201	CJR	1
PAH SIM										
Acenaphthene	32	ug/kg	9.7	30.8	1	M8270D	10/25/201	10/26/201	MJR	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	10/25/201	10/26/201	MJR	1
Anthracene	54	ug/kg	10.2	32.4	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)anthracene	119	ug/kg	14.6	46.6	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)pyrene	96	ug/kg	16.6	52.8	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(b)fluoranthene	154	ug/kg	16.7	53.2	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(g,h,i)perylene	74	ug/kg	8.2	25.9	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(k)fluoranthene	62	ug/kg	16.1	51.4	1	M8270D	10/25/201	10/26/201	MJR	1
Chrysene	128	ug/kg	9.2	29.3	1	M8270D	10/25/201	10/26/201	MJR	1
Dibenzo(a,h)anthracene	18.2 "J"	ug/kg	10.5	33.5	1	M8270D	10/25/201	10/26/201	MJR	1
Fluoranthene	298	ug/kg	9.8	31.3	1	M8270D	10/25/201	10/26/201	MJR	1
Fluorene	25.6 "J"	ug/kg	10.7	33.9	1	M8270D	10/25/201	10/26/201	MJR	1
Indeno(1,2,3-cd)pyrene	57	ug/kg	9.5	30.2	1	M8270D	10/25/201	10/26/201	MJR	1
1-Methyl naphthalene	< 17.9	ug/kg	17.9	56.9	1	M8270D	10/25/201	10/26/201	MJR	1
2-Methyl naphthalene	< 9.6	ug/kg	9.6	30.4	1	M8270D	10/25/201	10/26/201	MJR	1
Naphthalene	< 10.8	ug/kg	10.8	34.5	1	M8270D	10/25/201	10/26/201	MJR	1
Phenanthrene	260	ug/kg	9.8	31.1	1	M8270D	10/25/201	10/26/201	MJR	1
Pyrene	228	ug/kg	9.5	30.3	1	M8270D	10/25/201	10/26/201	MJR	1

Lab 5022990H
Sample ID G-3-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	82.7	%			1	5021		10/25/201	MJR	1
Organic										
General										
Diesel Range Organics	122	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1 54
GRO/PVOC + Naphthalene										
Gasoline Range Organics	262	mg/kg	2.8	8.8	1	GRO95/8021		10/28/201	CJR	1
Benzene	- < 25	ug/kg	7.1	23	1	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	550	ug/kg	9.2	29	1	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/28/201	CJR	1
Naphthalene	400	ug/kg	13	41	1	GRO95/8021		10/28/201	CJR	1
Toluene	189	ug/kg	9.9	32	1	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	520	ug/kg	9.1	29	1	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	760	ug/kg	8.5	27	1	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	570	ug/kg	18	56	1	GRO95/8021		10/28/201	CJR	1
o-Xylene	840	ug/kg	7.2	23	1	GRO95/8021		10/28/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990I
Sample ID G-3-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	1.25 "J"	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Lab 5022990J
Sample ID G-4-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	97.5	%			1	5021		10/25/201	MJR	1
Inorganic										
Metals										
Lead, Total	13.9	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		11/1/2011	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		11/1/2011	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		11/1/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		11/1/2011	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		11/1/2011	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		11/1/2011	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		11/1/2011	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		11/1/2011	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		11/1/2011	CJR	1
PAH SIM										
Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	10/25/201	10/26/201	MJR	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	10/25/201	10/26/201	MJR	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	10/25/201	10/26/201	MJR	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	10/25/201	10/26/201	MJR	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	10/25/201	10/26/201	MJR	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	10/25/201	10/26/201	MJR	1
Fluorene	< 10.7	ug/kg	10.7	33.9	1	M8270D	10/25/201	10/26/201	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	10/25/201	10/26/201	MJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990J
Sample ID G-4-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
1-Methyl naphthalene	< 17.9	ug/kg	17.9	56.9	1	M8270D	10/25/201	10/26/201	MJR	1
2-Methyl naphthalene	< 9.6	ug/kg	9.6	30.4	1	M8270D	10/25/201	10/26/201	MJR	1
Naphthalene	< 10.8	ug/kg	10.8	34.5	1	M8270D	10/25/201	10/26/201	MJR	1
Phenanthrene	< 9.8	ug/kg	9.8	31.1	1	M8270D	10/25/201	10/26/201	MJR	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	10/25/201	10/26/201	MJR	1

Lab 5022990K
Sample ID G-4-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	81.4	%			1	5021		10/25/201	MJR	1
Inorganic										
Metals										
Lead, Total	1.70	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	105	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1 54
Gasoline Range Organics	440	mg/kg	28	88	10	GRO95/8021		10/29/201	CJR	1
VOC's										
Benzene	< 89	ug/kg	89	280	10	8260B		10/24/201	CJR	1
Bromobenzene	< 140	ug/kg	140	430	10	8260B		10/24/201	CJR	1
Bromodichloromethane	< 120	ug/kg	120	370	10	8260B		10/24/201	CJR	1
Bromoform	< 200	ug/kg	200	620	10	8260B		10/24/201	CJR	1
tert-Butylbenzene	< 540	ug/kg	540	1730	10	8260B		10/24/201	CJR	1
sec-Butylbenzene	820 "J"	ug/kg	510	1620	10	8260B		10/24/201	CJR	1
n-Butylbenzene	4300	ug/kg	480	1520	10	8260B		10/24/201	CJR	1
Carbon Tetrachloride	< 120	ug/kg	120	390	10	8260B		10/24/201	CJR	1
Chlorobenzene	< 94	ug/kg	94	300	10	8260B		10/24/201	CJR	1
Chloroethane	< 1420	ug/kg	1420	4520	10	8260B		10/24/201	CJR	1
Chloroform	< 460	ug/kg	460	1460	10	8260B		10/24/201	CJR	1
Chloromethane	< 2070	ug/kg	2070	6580	10	8260B		10/24/201	CJR	1
2-Chlorotoluene	< 840	ug/kg	840	2670	10	8260B		10/24/201	CJR	1
4-Chlorotoluene	< 760	ug/kg	760	2410	10	8260B		10/24/201	CJR	1
1,2-Dibromo-3-chloropropane	< 770	ug/kg	770	2450	10	8260B		10/24/201	CJR	1
Dibromochloromethane	< 95	ug/kg	95	300	10	8260B		10/24/201	CJR	1
1,4-Dichlorobenzene	< 520	ug/kg	520	1670	10	8260B		10/24/201	CJR	1
1,3-Dichlorobenzene	< 530	ug/kg	530	1700	10	8260B		10/24/201	CJR	1
1,2-Dichlorobenzene	< 510	ug/kg	510	1640	10	8260B		10/24/201	CJR	1
Dichlorodifluoromethane	< 120	ug/kg	120	370	10	8260B		10/24/201	CJR	1
1,2-Dichloroethane	< 130	ug/kg	130	420	10	8260B		10/24/201	CJR	1
1,1-Dichloroethane	< 110	ug/kg	110	330	10	8260B		10/24/201	CJR	1
1,1-Dichloroethene	< 220	ug/kg	220	690	10	8260B		10/24/201	CJR	1
cis-1,2-Dichloroethene	< 140	ug/kg	140	440	10	8260B		10/24/201	CJR	1
trans-1,2-Dichloroethene	< 220	ug/kg	220	690	10	8260B		10/24/201	CJR	1
1,2-Dichloropropane	< 110	ug/kg	110	360	10	8260B		10/24/201	CJR	1
2,2-Dichloropropane	< 330	ug/kg	330	1040	10	8260B		10/24/201	CJR	4 7 8
1,3-Dichloropropane	< 110	ug/kg	110	350	10	8260B		10/24/201	CJR	1
Di-isopropyl ether	< 470	ug/kg	470	1480	10	8260B		10/24/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990K
Sample ID G-4-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
EDB (1,2-Dibromoethane)	< 170	ug/kg	170	540	10	8260B		10/24/201	CJR	1
Ethylbenzene	2100	ug/kg	550	1750	10	8260B		10/24/201	CJR	1
Hexachlorobutadiene	< 950	ug/kg	950	3030	10	8260B		10/24/201	CJR	1
Isopropylbenzene	835 "J"	ug/kg	530	1680	10	8260B		10/24/201	CJR	1
p-Isopropyltoluene	< 450	ug/kg	450	1430	10	8260B		10/24/201	CJR	1
Methylene chloride	< 1190	ug/kg	1190	3800	10	8260B		10/24/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 120	ug/kg	120	380	10	8260B		10/24/201	CJR	1
Naphthalene	4200	ug/kg	1070	3400	10	8260B		10/24/201	CJR	1
n-Propylbenzene	2900	ug/kg	530	1690	10	8260B		10/24/201	CJR	1
1,1,2,2-Tetrachloroethane	< 200	ug/kg	200	640	10	8260B		10/24/201	CJR	1
1,1,1,2-Tetrachloroethane	< 410	ug/kg	410	1320	10	8260B		10/24/201	CJR	1
Tetrachloroethene	< 240	ug/kg	240	780	10	8260B		10/24/201	CJR	1
Toluene	< 500	ug/kg	500	1590	10	8260B		10/24/201	CJR	1
1,2,4-Trichlorobenzene	< 740	ug/kg	740	2370	10	8260B		10/24/201	CJR	1
1,2,3-Trichlorobenzene	< 1290	ug/kg	1290	4090	10	8260B		10/24/201	CJR	1
1,1,1-Trichloroethane	< 110	ug/kg	110	340	10	8260B		10/24/201	CJR	1
1,1,2-Trichloroethane	< 160	ug/kg	160	520	10	8260B		10/24/201	CJR	1
Trichloroethene (TCE)	< 170	ug/kg	170	530	10	8260B		10/24/201	CJR	1
Trichlorofluoromethane	< 430	ug/kg	430	1370	10	8260B		10/24/201	CJR	1
1,2,4-Trimethylbenzene	41000	ug/kg	800	2530	10	8260B		10/24/201	CJR	1
1,3,5-Trimethylbenzene	13000	ug/kg	480	1510	10	8260B		10/24/201	CJR	1
Vinyl Chloride	< 160	ug/kg	160	490	10	8260B		10/24/201	CJR	1
m&p-Xylene	30000	ug/kg	860	2740	10	8260B		10/24/201	CJR	1
o-Xylene	9500	ug/kg	500	1590	10	8260B		10/24/201	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			10	8260B		10/24/201	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			10	8260B		10/24/201	CJR	1
SUR - Dibromofluoromethane	99	Rec %			10	8260B		10/24/201	CJR	1
SUR - Toluene-d8	97	Rec %			10	8260B		10/24/201	CJR	1

Lab 5022990L
Sample ID G-4-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	0.68 "J"	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	5.4	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	16.6	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	2.8 "J"	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	44	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	16.8	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	42	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	17.4	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990M
Sample ID G-5-1
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	83.0	%			1	5021		10/25/201	MJR	1
Inorganic										
Metals										
Lead, Total	1.13	mg/Kg	0.3	0.96	1	6010B		10/24/201	CWT	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		11/1/2011	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		11/1/2011	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		11/1/2011	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		11/1/2011	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		11/1/2011	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		11/1/2011	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		11/1/2011	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		11/1/2011	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		11/1/2011	CJR	1
PAH SIM										
Acenaphthene	< 9.7	ug/kg	9.7	30.8	1	M8270D	10/25/201	10/26/201	MJR	1
Acenaphthylene	< 8.4	ug/kg	8.4	26.8	1	M8270D	10/25/201	10/26/201	MJR	1
Anthracene	< 10.2	ug/kg	10.2	32.4	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)anthracene	< 14.6	ug/kg	14.6	46.6	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(a)pyrene	< 16.6	ug/kg	16.6	52.8	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(b)fluoranthene	< 16.7	ug/kg	16.7	53.2	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(g,h,i)perylene	< 8.2	ug/kg	8.2	25.9	1	M8270D	10/25/201	10/26/201	MJR	1
Benzo(k)fluoranthene	< 16.1	ug/kg	16.1	51.4	1	M8270D	10/25/201	10/26/201	MJR	1
Chrysene	< 9.2	ug/kg	9.2	29.3	1	M8270D	10/25/201	10/26/201	MJR	1
Dibenzo(a,h)anthracene	< 10.5	ug/kg	10.5	33.5	1	M8270D	10/25/201	10/26/201	MJR	1
Fluoranthene	< 9.8	ug/kg	9.8	31.3	1	M8270D	10/25/201	10/26/201	MJR	1
Fluorene	< 10.7	ug/kg	10.7	33.9	1	M8270D	10/25/201	10/26/201	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30.2	1	M8270D	10/25/201	10/26/201	MJR	1
1-Methyl naphthalene	< 17.9	ug/kg	17.9	56.9	1	M8270D	10/25/201	10/26/201	MJR	1
2-Methyl naphthalene	< 9.6	ug/kg	9.6	30.4	1	M8270D	10/25/201	10/26/201	MJR	1
Naphthalene	< 10.8	ug/kg	10.8	34.5	1	M8270D	10/25/201	10/26/201	MJR	1
Phenanthrene	< 9.8	ug/kg	9.8	31.1	1	M8270D	10/25/201	10/26/201	MJR	1
Pyrene	< 9.5	ug/kg	9.5	30.3	1	M8270D	10/25/201	10/26/201	MJR	1

Lab 5022990N
Sample ID G-5-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	82.5	%			1	5021		10/25/201	MJR	1
Organic										
General										

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990N
Sample ID G-5-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Diesel Range Organics	< 10	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1
GRO/PVOC + Naphthalene										
Gasoline Range Organics	< 10	mg/kg	2.8	8.8	1	GRO95/8021		10/28/201	CJR	1
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/28/201	CJR	1
Naphthalene	< 25	ug/kg	13	41	1	GRO95/8021		10/28/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/28/201	CJR	1
o-Xylene	< 25	ug/kg	7.2	23	1	GRO95/8021		10/28/201	CJR	1

Lab 5022990O
Sample ID G-5-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	< 0.98	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Lab 5022990P
Sample ID G-6-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	85.6	%			1	5021		10/25/201	MJR	1
Organic										
General										
Diesel Range Organics	1300	mg/kg	0.81	2.6	1	DRO95		10/27/201	MDK	1 54
GRO/PVOC + Naphthalene										
Gasoline Range Organics	1960	mg/kg	28	88	10	GRO95/8021		10/29/201	CJR	1
Benzene	810	ug/kg	71	230	10	GRO95/8021		10/29/201	CJR	1
Ethylbenzene	25600	ug/kg	92	290	10	GRO95/8021		10/29/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 250	ug/kg	100	330	10	GRO95/8021		10/29/201	CJR	1
Naphthalene	10400	ug/kg	130	410	10	GRO95/8021		10/29/201	CJR	1
Toluene	35000	ug/kg	99	320	10	GRO95/8021		10/29/201	CJR	1
1,2,4-Trimethylbenzene	95000	ug/kg	91	290	10	GRO95/8021		10/29/201	CJR	1
1,3,5-Trimethylbenzene	67000	ug/kg	85	270	10	GRO95/8021		10/29/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990P
Sample ID G-6-2
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
m&p-Xylene	84000	ug/kg	180	560	10	GRO95/8021		10/29/201	CJR	1
o-Xylene	54000	ug/kg	72	230	10	GRO95/8021		10/29/201	CJR	1

Lab 5022990Q
Sample ID G-6-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	51	ug/l	4.9	15	10	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	420	ug/l	9.8	31	10	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.7	ug/l	4.7	15	10	GRO95/8021		10/28/201	CJR	1
Naphthalene	320	ug/l	20	44	10	GRO95/8021		10/28/201	CJR	1
Toluene	1130	ug/l	8.9	28	10	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	1690	ug/l	14	44	10	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	510	ug/l	13	40	10	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	2070	ug/l	20	63	10	GRO95/8021		10/28/201	CJR	1
o-Xylene	710	ug/l	12	38	10	GRO95/8021		10/28/201	CJR	1

Lab 5022990R
Sample ID G-7-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	161	ug/l	24.5	75	50	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	530	ug/l	49	155	50	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 23.5	ug/l	23.5	75	50	GRO95/8021		10/28/201	CJR	1
Naphthalene	260	ug/l	100	220	50	GRO95/8021		10/28/201	CJR	1
Toluene	1700	ug/l	44.5	140	50	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	1390	ug/l	70	220	50	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	480	ug/l	65	200	50	GRO95/8021		10/28/201	CJR	1
m&p-Xylene	2150	ug/l	100	315	50	GRO95/8021		10/28/201	CJR	1
o-Xylene	1040	ug/l	60	190	50	GRO95/8021		10/28/201	CJR	1

Lab 5022990S
Sample ID G-8-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	< 0.98	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990S
Sample ID G-8-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Lab 5022990T
Sample ID G-9-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	< 0.98	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Lab 5022990U
Sample ID G-10-W
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	< 0.98	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	CJR	1

Lab 5022990V
Sample ID MEOH BLANK
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.1	23	1	GRO95/8021		10/28/201	CJR	1
Ethylbenzene	< 25	ug/kg	9.2	29	1	GRO95/8021		10/28/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	10	33	1	GRO95/8021		10/28/201	CJR	1
Naphthalene	< 25	ug/kg	13	41	1	GRO95/8021		10/28/201	CJR	1
Toluene	< 25	ug/kg	9.9	32	1	GRO95/8021		10/28/201	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	9.1	29	1	GRO95/8021		10/28/201	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	8.5	27	1	GRO95/8021		10/28/201	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E22990
Project #

Lab 5022990V
Sample ID MEOH BLANK
Sample soil
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
m&p-Xylene	< 50	ug/kg	18	56	1	GRO95/8021		10/28/201	CJR	1
o-Xylene	29.1	ug/kg	7.2	23	1	GRO95/8021		10/28/201	CJR	1

Lab 5022990W
Sample ID TB
Sample Water
Sample Date 10/18/2011

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.49	ug/l	0.49	1.5	1	GRO95/8021		10/27/201	CJR	1
Ethylbenzene	< 0.98	ug/l	0.98	3.1	1	GRO95/8021		10/27/201	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	GRO95/8021		10/27/201	CJR	1
Naphthalene	< 2	ug/l	2	4.4	1	GRO95/8021		10/27/201	CJR	1
Toluene	< 0.89	ug/l	0.89	2.8	1	GRO95/8021		10/27/201	CJR	1
1,2,4-Trimethylbenzene	< 1.4	ug/l	1.4	4.4	1	GRO95/8021		10/27/201	CJR	1
1,3,5-Trimethylbenzene	< 1.3	ug/l	1.3	4	1	GRO95/8021		10/27/201	CJR	1
m&p-Xylene	< 2	ug/l	2	6.3	1	GRO95/8021		10/27/201	CJR	1
o-Xylene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/27/201	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.
7	The LCS not within established limits.
8	Closing calibration standard not within established limits.
43	Oil contamination indicated outside DRO window.
54	Possible gasoline contamination indicated outside DRO window.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 038

Page 1 of 3

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

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

Project (Name / Location): Krivanek Property - Packwaukee, WI

Reports To: James Barker	Invoice To:
Company	Company METCO
Address 644 Evergreen Drive	Address 1421 State Rd 16
City State Zip Grand Marsh, WI 53936	City State Zip La Crosse WI 54601
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502-1mol	G-1-1	10/2/11	2:20P		✓		5	S	MeOH	✓	✓		✓		✓	✓						
B	G-1-2		2:30P				3	S	MeOH	✓	✓						✓					
C	G-1-W		2:45P				3	GW	HCl								✓					
D	G-2-1		2:40P				5	S	MeOH	✓	✓		✓		✓	✓						
E	G-2-2		2:50P				3	S	MeOH	✓	✓						✓					
F	G-2-W		3:00P				3	GW	HCl								✓					
G	G-3-1		3:10P				5	S	MeOH	✓	✓		✓		✓	✓						
H	G-3-2		3:20P				3	S	MeOH	✓	✓						✓					
I	G-3-W		3:25P				3	GW	HCl								✓					
J	G-4-1	↓	3:30P		↓		5	S	MeOH	✓	✓		✓		✓	✓						

Analysis Requested | Other Analysis

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

Note to Lab: Please send copy of report to METCO. "Agent Status"

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
T. Rowell	8:30AM	10/2/11			

Received in Laboratory By: [signature] Time: 8:00 Date: 10/4/11

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 039

Page 2 of 3

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

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

Project (Name / Location): Krivanek Property - Packwaukee, WI

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

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
Solvanek	G-4-2	10/19/11	2:40P		✓		4	S	MeOH	✓	✓		✓							✓		
L	G-4-W		2:50P				3	GW	HCl								✓					
M	G-5-1		4:05P				5	S	MeOH	✓	✓		✓		✓	✓						
N	G-5-2		4:10P				3	S	MeOH	✓	✓						✓					
O	G-5-W	✓	4:20P				3	GW	HCl								✓					
	~~G-6-1~~	10/19/11	~~8:00A~~				—	—	—													
P	G-6-2		8:10A				3	S	MeOH	✓	✓						✓					
Q	G-6-W		8:20A				3	GW	HCl								✓					
R	G-7-W		8:30A				3	GW	HCl								✓					
S	G-8-W	✓	9:15A		✓		3	GW	HCl								✓					

Analysis Requested | Other Analysis

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

See page 1

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
T. Rowell	8:30 AM	10/20/11			

Received in Laboratory By: [signature] Time: 8:15 Date: 10.21.11

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # Nº 040

Page 3 of 3

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

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

Project (Name / Location): Krivanek Property - Packwaukee, WI

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

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502299oT	G-9-W	10/19/11	9:45A		✓		3	GW	HCl								✓					
U	G-10-W	↓	10:15A		✓		3	GW	HCl								✓					
V	MeOH Blank						1										✓					
W	Trip Blank						1										✓					

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

See page 1

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
T. Rivell	8:30am	10/20/11			

Received in Laboratory By: [signature] Time: 8:15 Date: 10/21/11

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report Date *16-Feb-12*

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414A
Sample ID PW
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.01	ug/l	0.01	0.031	1	M8270D	2/13/2012	2/13/2012	MDK	1
Acenaphthylene	< 0.014	ug/l	0.014	0.043	1	M8270D	2/13/2012	2/13/2012	MDK	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)anthracene	< 0.014	ug/l	0.014	0.044	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)pyrene	< 0.011	ug/l	0.011	0.034	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(b)fluoranthene	< 0.013	ug/l	0.013	0.041	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(g,h,i)perylene	< 0.015	ug/l	0.015	0.048	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(k)fluoranthene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Chrysene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.016	ug/l	0.016	0.05	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluoranthene	< 0.012	ug/l	0.012	0.039	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluorene	< 0.008	ug/l	0.008	0.025	1	M8270D	2/13/2012	2/13/2012	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.015	ug/l	0.015	0.049	1	M8270D	2/13/2012	2/13/2012	MDK	1
1-Methyl naphthalene	< 0.009	ug/l	0.009	0.028	1	M8270D	2/13/2012	2/13/2012	MDK	1
2-Methyl naphthalene	< 0.013	ug/l	0.013	0.04	1	M8270D	2/13/2012	2/13/2012	MDK	1
Naphthalene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Phenanthrene	< 0.01	ug/l	0.01	0.033	1	M8270D	2/13/2012	2/13/2012	MDK	1
Pyrene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		2/13/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		2/13/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		2/13/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414A
Sample ID PW
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		2/13/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		2/13/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		2/13/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		2/13/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		2/13/2012	CJR	30
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		2/13/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		2/13/2012	CJR	4
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		2/13/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		2/13/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		2/13/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		2/13/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		2/13/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		2/13/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		2/13/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		2/13/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		2/13/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		2/13/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		2/13/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		2/13/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		2/13/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		2/13/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		2/13/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		2/13/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/13/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		2/13/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		2/13/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		2/13/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		2/13/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		2/13/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		2/13/2012	CJR	1
SUR - Toluene-d8	114	REC %			1	8260B		2/13/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		2/13/2012	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		2/13/2012	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		2/13/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414B
Sample ID MW-2
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		2/14/2012	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Manganese, Dissolved	70.1	ug/L	4.8	15.4	1	200.7		2/14/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.01	ug/l	0.01	0.031	1	M8270D	2/13/2012	2/13/2012	MDK	1
Acenaphthylene	< 0.014	ug/l	0.014	0.043	1	M8270D	2/13/2012	2/13/2012	MDK	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)anthracene	< 0.014	ug/l	0.014	0.044	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)pyrene	< 0.011	ug/l	0.011	0.034	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(b)fluoranthene	< 0.013	ug/l	0.013	0.041	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(g,h,i)perylene	< 0.015	ug/l	0.015	0.048	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(k)fluoranthene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Chrysene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.016	ug/l	0.016	0.05	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluoranthene	< 0.012	ug/l	0.012	0.039	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluorene	< 0.008	ug/l	0.008	0.025	1	M8270D	2/13/2012	2/13/2012	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.015	ug/l	0.015	0.049	1	M8270D	2/13/2012	2/13/2012	MDK	1
1-Methyl naphthalene	< 0.009	ug/l	0.009	0.028	1	M8270D	2/13/2012	2/13/2012	MDK	1
2-Methyl naphthalene	< 0.013"	ug/l	0.013	0.04	1	M8270D	2/13/2012	2/13/2012	MDK	1
Naphthalene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Phenanthrene	< 0.01	ug/l	0.01	0.033	1	M8270D	2/13/2012	2/13/2012	MDK	1
Pyrene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		2/15/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		2/15/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		2/15/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		2/15/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		2/15/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		2/15/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		2/15/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		2/15/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		2/15/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		2/15/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		2/15/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		2/15/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		2/15/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/15/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		2/15/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		2/15/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		2/15/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		2/15/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		2/15/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		2/15/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414B
Sample ID MW-2
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		2/15/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		2/15/2012	CJR	4 8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		2/15/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		2/15/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		2/15/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		2/15/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		2/15/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		2/15/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		2/15/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		2/15/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		2/15/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		2/15/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		2/15/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		2/15/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		2/15/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		2/15/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		2/15/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/15/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		2/15/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		2/15/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		2/15/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		2/15/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		2/15/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		2/15/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		2/15/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		2/15/2012	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		2/15/2012	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		2/15/2012	CJR	1
SUR - Dibromofluoromethane	86	REC %			1	8260B		2/15/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.0	mg/l	0.1	0.31	1	4500B/F		2/10/2012	CWT	1
Sulfate, Dissolved	21.4	mg/l	3.4	10.6	2	300.0		2/10/2012	CWT	1

Lab Code 5023414C
Sample ID MW-4
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		2/14/2012	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Manganese, Dissolved	169	ug/L	4.8	15.4	1	200.7		2/14/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.01	ug/l	0.01	0.031	1	M8270D	2/13/2012	2/13/2012	MDK	1
Acenaphthylene	< 0.014	ug/l	0.014	0.043	1	M8270D	2/13/2012	2/13/2012	MDK	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414C
Sample ID MW-4
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)anthracene	< 0.014	ug/l	0.014	0.044	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)pyrene	< 0.011	ug/l	0.011	0.034	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(b)fluoranthene	< 0.013	ug/l	0.013	0.041	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(g,h,i)perylene	< 0.015	ug/l	0.015	0.048	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(k)fluoranthene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Chrysene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.016	ug/l	0.016	0.05	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluoranthene	< 0.012	ug/l	0.012	0.039	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluorene	< 0.008	ug/l	0.008	0.025	1	M8270D	2/13/2012	2/13/2012	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.015	ug/l	0.015	0.049	1	M8270D	2/13/2012	2/13/2012	MDK	1
1-Methyl naphthalene	< 0.009	ug/l	0.009	0.028	1	M8270D	2/13/2012	2/13/2012	MDK	1
2-Methyl naphthalene	< 0.013	ug/l	0.013	0.04	1	M8270D	2/13/2012	2/13/2012	MDK	1
Naphthalene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Phenanthrene	< 0.01	ug/l	0.01	0.033	1	M8270D	2/13/2012	2/13/2012	MDK	1
Pyrene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		2/15/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		2/15/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		2/15/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		2/15/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		2/15/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		2/15/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		2/15/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		2/15/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		2/15/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		2/15/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		2/15/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		2/15/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		2/15/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/15/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		2/15/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		2/15/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		2/15/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		2/15/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		2/15/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		2/15/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		2/15/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		2/15/2012	CJR	4 8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		2/15/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		2/15/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		2/15/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		2/15/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		2/15/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		2/15/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		2/15/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		2/15/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414C
Sample ID MW-4
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		2/15/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		2/15/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		2/15/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		2/15/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		2/15/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		2/15/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		2/15/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/15/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		2/15/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		2/15/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		2/15/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		2/15/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		2/15/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/15/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		2/15/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		2/15/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		2/15/2012	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		2/15/2012	CJR	1
SUR - Dibromofluoromethane	88	REC %			1	8260B		2/15/2012	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		2/15/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		2/15/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.4	mg/l	0.1	0.31	1	4500B/F		2/10/2012	CWT	1
Sulfate, Dissolved	7.1	mg/l	3.4	10.6	2	300.0		2/10/2012	CWT	1

Lab Code 5023414D
Sample ID MW-3
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		2/14/2012	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Manganese, Dissolved	34.0	ug/L	4.8	15.4	1	200.7		2/14/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.01	ug/l	0.01	0.031	1	M8270D	2/13/2012	2/13/2012	MDK	1
Acenaphthylene	< 0.014	ug/l	0.014	0.043	1	M8270D	2/13/2012	2/13/2012	MDK	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)anthracene	< 0.014	ug/l	0.014	0.044	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(a)pyrene	< 0.011	ug/l	0.011	0.034	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(b)fluoranthene	< 0.013	ug/l	0.013	0.041	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(g,h,i)perylene	< 0.015	ug/l	0.015	0.048	1	M8270D	2/13/2012	2/13/2012	MDK	1
Benzo(k)fluoranthene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Chrysene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.016	ug/l	0.016	0.05	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluoranthene	< 0.012	ug/l	0.012	0.039	1	M8270D	2/13/2012	2/13/2012	MDK	1
Fluorene	< 0.008	ug/l	0.008	0.025	1	M8270D	2/13/2012	2/13/2012	MDK	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414D
Sample ID MW-3
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Indeno(1,2,3-cd)pyrene	< 0.015	ug/l	0.015	0.049	1	M8270D	2/13/2012	2/13/2012	MDK	1
1-Methyl naphthalene	< 0.009	ug/l	0.009	0.028	1	M8270D	2/13/2012	2/13/2012	MDK	1
2-Methyl naphthalene	< 0.013	ug/l	0.013	0.04	1	M8270D	2/13/2012	2/13/2012	MDK	1
Naphthalene	< 0.015	ug/l	0.015	0.047	1	M8270D	2/13/2012	2/13/2012	MDK	1
Phenanthrene	< 0.01	ug/l	0.01	0.033	1	M8270D	2/13/2012	2/13/2012	MDK	1
Pyrene	< 0.013	ug/l	0.013	0.042	1	M8270D	2/13/2012	2/13/2012	MDK	1
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		2/13/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		2/13/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		2/13/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		2/13/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		2/13/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		2/13/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		2/13/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		2/13/2012	CJR	30
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		2/13/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		2/13/2012	CJR	4
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		2/13/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		2/13/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		2/13/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		2/13/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		2/13/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		2/13/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		2/13/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		2/13/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		2/13/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		2/13/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		2/13/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		2/13/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		2/13/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		2/13/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		2/13/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		2/13/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/13/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		2/13/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		2/13/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414D
Sample ID MW-3
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		2/13/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		2/13/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		2/13/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		2/13/2012	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		2/13/2012	CJR	1
SUR - Toluene-d8	111	REC %			1	8260B		2/13/2012	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		2/13/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		2/13/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	2.0	mg/l	0.1	0.31	1	4500B/F		2/10/2012	CWT	1
Sulfate, Dissolved	5.4 "J"	mg/l	3.4	10.6	2	300.0		2/10/2012	CWT	1

Lab Code 5023414E
Sample ID MW-5
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	4300	ug/l	60	210	1	200.7		2/14/2012	CWT	1
Lead, Dissolved	14.4	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Manganese, Dissolved	962	ug/L	4.8	15.4	1	200.7		2/14/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.2	ug/l	0.2	0.62	20	M8270D	2/13/2012	2/14/2012	MDK	1
Acenaphthylene	< 0.28	ug/l	0.28	0.86	20	M8270D	2/13/2012	2/14/2012	MDK	1
Anthracene	< 0.18	ug/l	0.18	0.6	20	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(a)anthracene	< 0.28	ug/l	0.28	0.88	20	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(a)pyrene	< 0.22	ug/l	0.22	0.68	20	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(b)fluoranthene	< 0.26	ug/l	0.26	0.82	20	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(g,h,i)perylene	< 0.3	ug/l	0.3	0.96	20	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(k)fluoranthene	< 0.3	ug/l	0.3	0.94	20	M8270D	2/13/2012	2/14/2012	MDK	1
Chrysene	< 0.26	ug/l	0.26	0.84	20	M8270D	2/13/2012	2/14/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.32	ug/l	0.32	1	20	M8270D	2/13/2012	2/14/2012	MDK	1
Fluoranthene	< 0.24	ug/l	0.24	0.78	20	M8270D	2/13/2012	2/14/2012	MDK	1
Fluorene	< 0.16	ug/l	0.16	0.5	20	M8270D	2/13/2012	2/14/2012	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.3	ug/l	0.3	0.98	20	M8270D	2/13/2012	2/14/2012	MDK	1
1-Methyl naphthalene	24.9	ug/l	0.18	0.56	20	M8270D	2/13/2012	2/14/2012	MDK	1
2-Methyl naphthalene	24.8	ug/l	0.26	0.8	20	M8270D	2/13/2012	2/14/2012	MDK	1
Naphthalene	101	ug/l	0.3	0.94	20	M8270D	2/13/2012	2/14/2012	MDK	1
Phenanthrene	< 0.2	ug/l	0.2	0.66	20	M8270D	2/13/2012	2/14/2012	MDK	1
Pyrene	< 0.26	ug/l	0.26	0.84	20	M8270D	2/13/2012	2/14/2012	MDK	1
VOC's										
Benzene	71 "J"	ug/l	25	80	50	8260B		2/15/2012	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		2/15/2012	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		2/15/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414E
Sample ID MW-5
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		2/15/2012	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		2/15/2012	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		2/15/2012	CJR	1
n-Butylbenzene	< 45	ug/l	45	145	50	8260B		2/15/2012	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		2/15/2012	CJR	1
Chloroethane	< 70	ug/l	70	225	50	8260B		2/15/2012	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B		2/15/2012	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B		2/15/2012	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B		2/15/2012	CJR	1
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B		2/15/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B		2/15/2012	CJR	1
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B		2/15/2012	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B		2/15/2012	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B		2/15/2012	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B		2/15/2012	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B		2/15/2012	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B		2/15/2012	CJR	1
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B		2/15/2012	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B		2/15/2012	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B		2/15/2012	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B		2/15/2012	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B		2/15/2012	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B		2/15/2012	CJR	4 8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B		2/15/2012	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B		2/15/2012	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		2/15/2012	CJR	1
Ethylbenzene	510	ug/l	39	125	50	8260B		2/15/2012	CJR	1
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B		2/15/2012	CJR	1
Isopropylbenzene	< 46	ug/l	46	145	50	8260B		2/15/2012	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B		2/15/2012	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B		2/15/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 40	ug/l	40	125	50	8260B		2/15/2012	CJR	1
Naphthalene	216 "J"	ug/l	105	340	50	8260B		2/15/2012	CJR	1
n-Propylbenzene	71 "J"	ug/l	29.5	95	50	8260B		2/15/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B		2/15/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B		2/15/2012	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B		2/15/2012	CJR	1
Toluene	1580	ug/l	26.5	85	50	8260B		2/15/2012	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B		2/15/2012	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B		2/15/2012	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B		2/15/2012	CJR	1
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B		2/15/2012	CJR	1
1,2,4-Trimethylbenzene	990	ug/l	40	125	50	8260B		2/15/2012	CJR	1
1,3,5-Trimethylbenzene	298	ug/l	37	120	50	8260B		2/15/2012	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B		2/15/2012	CJR	1
m&p-Xylene	2750	ug/l	55	175	50	8260B		2/15/2012	CJR	1
o-Xylene	1050	ug/l	40	130	50	8260B		2/15/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			50	8260B		2/15/2012	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			50	8260B		2/15/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414E
Sample ID MW-5
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Dibromofluoromethane	86	REC %			50	8260B		2/15/2012	CJR	1
SUR - Toluene-d8	97	REC %			50	8260B		2/15/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.1	mg/l	0.1	0.31	1	4500B/F		2/10/2012	CWT	1
Sulfate, Dissolved	7.3 "J"	mg/l	3.4	10.6	2	300.0		2/10/2012	CWT	1

Lab Code 5023414F
Sample ID MW-1
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	2420	ug/l	60	210	1	200.7		2/14/2012	CWT	1
Lead, Dissolved	24.1	ug/L	0.7	2.5	1	7421		2/10/2012	CWT	1
Manganese, Dissolved	215	ug/L	4.8	15.4	1	200.7		2/14/2012	CWT	1
Organic										
PAH SIM										
Acenaphthene	0.06 "J"	ug/l	0.05	0.155	5	M8270D	2/13/2012	2/14/2012	MDK	1
Acenaphthylene	< 0.07	ug/l	0.07	0.215	5	M8270D	2/13/2012	2/14/2012	MDK	1
Anthracene	< 0.045	ug/l	0.045	0.15	5	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(a)anthracene	< 0.07	ug/l	0.07	0.22	5	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(a)pyrene	< 0.055	ug/l	0.055	0.17	5	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(b)fluoranthene	< 0.065	ug/l	0.065	0.205	5	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(g,h,i)perylene	< 0.075	ug/l	0.075	0.24	5	M8270D	2/13/2012	2/14/2012	MDK	1
Benzo(k)fluoranthene	< 0.075	ug/l	0.075	0.235	5	M8270D	2/13/2012	2/14/2012	MDK	1
Chrysene	< 0.065	ug/l	0.065	0.21	5	M8270D	2/13/2012	2/14/2012	MDK	1
Dibenzo(a,h)anthracene	< 0.08	ug/l	0.08	0.25	5	M8270D	2/13/2012	2/14/2012	MDK	1
Fluoranthene	< 0.06	ug/l	0.06	0.195	5	M8270D	2/13/2012	2/14/2012	MDK	1
Fluorene	0.052 "J"	ug/l	0.04	0.125	5	M8270D	2/13/2012	2/14/2012	MDK	1
Indeno(1,2,3-cd)pyrene	< 0.075	ug/l	0.075	0.245	5	M8270D	2/13/2012	2/14/2012	MDK	1
1-Methyl naphthalene	11.4	ug/l	0.045	0.14	5	M8270D	2/13/2012	2/14/2012	MDK	1
2-Methyl naphthalene	6.1	ug/l	0.065	0.2	5	M8270D	2/13/2012	2/14/2012	MDK	1
Naphthalene	33	ug/l	0.075	0.235	5	M8270D	2/13/2012	2/14/2012	MDK	1
Phenanthrene	< 0.05	ug/l	0.05	0.165	5	M8270D	2/13/2012	2/14/2012	MDK	1
Pyrene	< 0.065	ug/l	0.065	0.21	5	M8270D	2/13/2012	2/14/2012	MDK	1
VOC's										
Benzene	78 "J"	ug/l	25	80	50	8260B		2/15/2012	CJR	1
Bromobenzene	< 37	ug/l	37	120	50	8260B		2/15/2012	CJR	1
Bromodichloromethane	< 34	ug/l	34	110	50	8260B		2/15/2012	CJR	1
Bromoform	< 21.5	ug/l	21.5	70	50	8260B		2/15/2012	CJR	1
tert-Butylbenzene	< 35.5	ug/l	35.5	115	50	8260B		2/15/2012	CJR	1
sec-Butylbenzene	< 50	ug/l	50	165	50	8260B		2/15/2012	CJR	1
n-Butylbenzene	< 45	ug/l	45	145	50	8260B		2/15/2012	CJR	1
Carbon Tetrachloride	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Chlorobenzene	< 25.5	ug/l	25.5	80	50	8260B		2/15/2012	CJR	1
Chloroethane	< 70	ug/l	70	225	50	8260B		2/15/2012	CJR	1
Chloroform	< 24.5	ug/l	24.5	75	50	8260B		2/15/2012	CJR	1
Chloromethane	< 95	ug/l	95	305	50	8260B		2/15/2012	CJR	1
2-Chlorotoluene	< 35	ug/l	35	110	50	8260B		2/15/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414F
Sample ID MW-1
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
4-Chlorotoluene	< 22	ug/l	22	70	50	8260B		2/15/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 140	ug/l	140	445	50	8260B		2/15/2012	CJR	1
Dibromochloromethane	< 27.5	ug/l	27.5	90	50	8260B		2/15/2012	CJR	1
1,4-Dichlorobenzene	< 49	ug/l	49	155	50	8260B		2/15/2012	CJR	1
1,3-Dichlorobenzene	< 43.5	ug/l	43.5	140	50	8260B		2/15/2012	CJR	1
1,2-Dichlorobenzene	< 38	ug/l	38	120	50	8260B		2/15/2012	CJR	1
Dichlorodifluoromethane	< 90	ug/l	90	295	50	8260B		2/15/2012	CJR	1
1,2-Dichloroethane	< 25	ug/l	25	80	50	8260B		2/15/2012	CJR	3
1,1-Dichloroethane	< 49	ug/l	49	155	50	8260B		2/15/2012	CJR	1
1,1-Dichloroethene	< 30	ug/l	30	95	50	8260B		2/15/2012	CJR	1
cis-1,2-Dichloroethene	< 37	ug/l	37	120	50	8260B		2/15/2012	CJR	1
trans-1,2-Dichloroethene	< 39.5	ug/l	39.5	125	50	8260B		2/15/2012	CJR	1
1,2-Dichloropropane	< 20	ug/l	20	65	50	8260B		2/15/2012	CJR	1
2,2-Dichloropropane	< 95	ug/l	95	295	50	8260B		2/15/2012	CJR	4 8
1,3-Dichloropropane	< 35.5	ug/l	35.5	115	50	8260B		2/15/2012	CJR	1
Di-isopropyl ether	< 34.5	ug/l	34.5	110	50	8260B		2/15/2012	CJR	1
EDB (1,2-Dibromoethane)	< 31.5	ug/l	31.5	100	50	8260B		2/15/2012	CJR	1
Ethylbenzene	510	ug/l	39	125	50	8260B		2/15/2012	CJR	1
Hexachlorobutadiene	< 110	ug/l	110	340	50	8260B		2/15/2012	CJR	1
Isopropylbenzene	< 46	ug/l	46	145	50	8260B		2/15/2012	CJR	1
p-Isopropyltoluene	< 46	ug/l	46	145	50	8260B		2/15/2012	CJR	1
Methylene chloride	< 55	ug/l	55	170	50	8260B		2/15/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 40	ug/l	40	125	50	8260B		2/15/2012	CJR	1
Naphthalene	192 "J"	ug/l	105	340	50	8260B		2/15/2012	CJR	1
n-Propylbenzene	96	ug/l	29.5	95	50	8260B		2/15/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 26.5	ug/l	26.5	85	50	8260B		2/15/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 50	ug/l	50	160	50	8260B		2/15/2012	CJR	1
Tetrachloroethene	< 22	ug/l	22	70	50	8260B		2/15/2012	CJR	1
Toluene	1710	ug/l	26.5	85	50	8260B		2/15/2012	CJR	1
1,2,4-Trichlorobenzene	< 75	ug/l	75	230	50	8260B		2/15/2012	CJR	1
1,2,3-Trichlorobenzene	< 65	ug/l	65	210	50	8260B		2/15/2012	CJR	1
1,1,1-Trichloroethane	< 42.5	ug/l	42.5	135	50	8260B		2/15/2012	CJR	3
1,1,2-Trichloroethane	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Trichloroethene (TCE)	< 23.5	ug/l	23.5	75	50	8260B		2/15/2012	CJR	1
Trichlorofluoromethane	< 85	ug/l	85	265	50	8260B		2/15/2012	CJR	1
1,2,4-Trimethylbenzene	820	ug/l	40	125	50	8260B		2/15/2012	CJR	1
1,3,5-Trimethylbenzene	223	ug/l	37	120	50	8260B		2/15/2012	CJR	1
Vinyl Chloride	< 9	ug/l	9	28	50	8260B		2/15/2012	CJR	1
m&p-Xylene	2390	ug/l	55	175	50	8260B		2/15/2012	CJR	1
o-Xylene	1000	ug/l	40	130	50	8260B		2/15/2012	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			50	8260B		2/15/2012	CJR	1
SUR - Dibromofluoromethane	83	REC %			50	8260B		2/15/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			50	8260B		2/15/2012	CJR	1
SUR - Toluene-d8	96	REC %			50	8260B		2/15/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.1 "J"	mg/l	0.1	0.31	1	4500B/F		2/10/2012	CWT	1
Sulfate, Dissolved	7.9 "J"	mg/l	3.4	10.6	2	300.0		2/10/2012	CWT	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414G
Sample ID TB
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		2/13/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		2/13/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		2/13/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		2/13/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		2/13/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		2/13/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		2/13/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		2/13/2012	CJR	30
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		2/13/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		2/13/2012	CJR	4
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		2/13/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		2/13/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		2/13/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		2/13/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		2/13/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		2/13/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		2/13/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		2/13/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		2/13/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		2/13/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		2/13/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		2/13/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		2/13/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		2/13/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		2/13/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		2/13/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		2/13/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		2/13/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/13/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		2/13/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		2/13/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		2/13/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		2/13/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		2/13/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		2/13/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E23414
Project #

Lab Code 5023414G
Sample ID TB
Sample Matrix Water
Sample Date 2/7/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		2/13/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		2/13/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		2/13/2012	CJR	1
SUR - Toluene-d8	120	REC %			1	8260B		2/13/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	88	REC %			1	8260B		2/13/2012	CJR	1
SUR - 4-Bromofluorobenzene	116	REC %			1	8260B		2/13/2012	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		2/13/2012	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.
3	The matrix spike not within established limits.
4	The continuing calibration standard not within established limits.
8	Closing calibration standard not within established limits.
30	Area percent recovery below 50% for closing calibration standard.

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 J. Ricker

CHAIN OF JSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 1721
Page 1 of 1

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

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

Project (Name / Location):	Krivanek Property - Packwaukee		
Repors To:	James Barker	Invoice To:	James Barker c/o METCO
Company		Company	METCO
Address	644 Evergreen Dr.	Address	1421 State Rd 16
City State Zip	Grand Marsh, WI 53936	City State Zip	La Crosse, WI 54601
Phone		Phone	
FAX		FAX	

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
207 34148	PW	2-7	210			Y	5	GW	
B	MW-2		1050				7		
C	MW-4		1130						
D	MW-3		1155						
E	MW-5		1240						
F	MW-1	↓	115			↓	↓	↓	
G	TB								

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 RCRA METALS	Dissolved Iron	Dissolved Manganese	PID/FID
A				X		X				X					
B				X	X	X			X	X		X	X		
C				X	X	X			X	X		X	X		
D				X	X	X			X	X		X	X		
E				X	X	X			X	X		X	X		
F				X	X	X			X	X		X	X		
G										X					

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

Lab to send copy of results to METCO/Jason P. (invoice to METCO)
U+C Rates Apply Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30	2-8-12			

Received in Laboratory By: [signature] Time: 8:00 Date: 2/9/12

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report Date *16-Oct-12*

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356A
Sample ID N3591 LIBERTY
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/5/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.8	1	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 2.3	ug/l	2.3	7.2	1	GRO95/8021		10/9/2012	CJR	1
Toluene	< 0.48	ug/l	0.48	1.5	1	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.78	ug/l	0.78	2.5	1	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.79	ug/l	0.79	2.5	1	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	< 0.71	ug/l	0.71	2.3	1	GRO95/8021		10/9/2012	CJR	1
o-Xylene	< 0.74	ug/l	0.74	2.3	1	GRO95/8021		10/9/2012	CJR	1

Lab Code 5024356B
Sample ID W3475 CTH M
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/5/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.8	1	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 2.3	ug/l	2.3	7.2	1	GRO95/8021		10/9/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356B
Sample ID W3475 CTH M
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	< 0.48	ug/l	0.48	1.5	1	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.78	ug/l	0.78	2.5	1	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.79	ug/l	0.79	2.5	1	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	< 0.71	ug/l	0.71	2.3	1	GRO95/8021		10/9/2012	CJR	1
o-Xylene	< 0.74	ug/l	0.74	2.3	1	GRO95/8021		10/9/2012	CJR	1

Lab Code 5024356C
Sample ID MW-2
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Manganese, Dissolved	12.4	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.8	1	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 2.3	ug/l	2.3	7.2	1	GRO95/8021		10/9/2012	CJR	1
Toluene	< 0.48	ug/l	0.48	1.5	1	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.78	ug/l	0.78	2.5	1	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.79	ug/l	0.79	2.5	1	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	< 0.71	ug/l	0.71	2.3	1	GRO95/8021		10/9/2012	CJR	1
o-Xylene	< 0.74	ug/l	0.74	2.3	1	GRO95/8021		10/9/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.1 "J"	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	7.86 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Lab Code 5024356D
Sample ID MW-4
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Manganese, Dissolved	1390	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.8	1	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 2.3	ug/l	2.3	7.2	1	GRO95/8021		10/9/2012	CJR	1
Toluene	< 0.48	ug/l	0.48	1.5	1	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.78	ug/l	0.78	2.5	1	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.79	ug/l	0.79	2.5	1	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	< 0.71	ug/l	0.71	2.3	1	GRO95/8021		10/9/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356D
Sample ID MW-4
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
o-Xylene	< 0.74	ug/l	0.74	2.3	1	GRO95/8021		10/9/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	3.47	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	6.13	mg/l	1.7	5.3	1	300.0		10/9/2012	CWT	1

Lab Code 5024356E
Sample ID MW-3
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Manganese, Dissolved	892	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	< 0.46	ug/l	0.46	1.5	1	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.8	1	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 2.3	ug/l	2.3	7.2	1	GRO95/8021		10/9/2012	CJR	1
Toluene	< 0.48	ug/l	0.48	1.5	1	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.78	ug/l	0.78	2.5	1	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.79	ug/l	0.79	2.5	1	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	< 0.71	ug/l	0.71	2.3	1	GRO95/8021		10/9/2012	CJR	1
o-Xylene	< 0.74	ug/l	0.74	2.3	1	GRO95/8021		10/9/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	1.75	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	7.48 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Lab Code 5024356F
Sample ID MW-8
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/9/2012	CWT	1
Manganese, Dissolved	125	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/11/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/11/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/11/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356F
Sample ID MW-8
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/11/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/11/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/11/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/11/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/11/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/11/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/11/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/11/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/11/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/11/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/11/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/11/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/11/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/11/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/11/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/11/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/11/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/11/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/11/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/11/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/11/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/11/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/11/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	8
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/11/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/11/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/11/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/11/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		10/11/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/11/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/11/2012	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/11/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		10/11/2012	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		10/11/2012	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		10/11/2012	CJR	1

Wet Chemistry

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356F
Sample ID MW-8
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
Nitrite Plus Nitrate, Dissolved	0.96	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	9.99 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Lab Code 5024356G
Sample ID MW-7
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Lead, Dissolved	< 0.7	ug/L	0.7	2.5	1	7421		10/9/2012	CWT	1
Manganese, Dissolved	478	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/11/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/11/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/11/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/11/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/11/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/11/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/11/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/11/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/11/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/11/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/11/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/11/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/11/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/11/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/11/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/11/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/11/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/11/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/11/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/11/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/11/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/11/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/11/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356G
Sample ID MW-7
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/11/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/11/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/11/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	8
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/11/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/11/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/11/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/11/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		10/11/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/11/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/11/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		10/11/2012	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		10/11/2012	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		10/11/2012	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		10/11/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	1.60	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	8.74 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Lab Code 5024356H
Sample ID MW-6
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	< 60	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Lead, Dissolved	5.0	ug/L	0.7	2.5	1	7421		10/9/2012	CWT	1
Manganese, Dissolved	1210	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
VOC's										
Benzene	15.8 "J"	ug/l	5	16	10	8260B		10/12/2012	CJR	1
Bromobenzene	< 7.4	ug/l	7.4	24	10	8260B		10/12/2012	CJR	1
Bromodichloromethane	< 6.8	ug/l	6.8	22	10	8260B		10/12/2012	CJR	1
Bromoform	< 4.3	ug/l	4.3	14	10	8260B		10/12/2012	CJR	1
tert-Butylbenzene	< 7.1	ug/l	7.1	23	10	8260B		10/12/2012	CJR	1
sec-Butylbenzene	< 10	ug/l	10	33	10	8260B		10/12/2012	CJR	1
n-Butylbenzene	< 9	ug/l	9	29	10	8260B		10/12/2012	CJR	1
Carbon Tetrachloride	< 4.7	ug/l	4.7	15	10	8260B		10/12/2012	CJR	1
Chlorobenzene	< 5.1	ug/l	5.1	16	10	8260B		10/12/2012	CJR	1
Chloroethane	< 14	ug/l	14	45	10	8260B		10/12/2012	CJR	1
Chloroform	< 4.9	ug/l	4.9	15	10	8260B		10/12/2012	CJR	1
Chloromethane	< 19	ug/l	19	61	10	8260B		10/12/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356H
Sample ID MW-6
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
2-Chlorotoluene	< 7	ug/l	7	22	10	8260B		10/12/2012	CJR	1
4-Chlorotoluene	< 4.4	ug/l	4.4	14	10	8260B		10/12/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	89	10	8260B		10/12/2012	CJR	1
Dibromochloromethane	< 5.5	ug/l	5.5	18	10	8260B		10/12/2012	CJR	1
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		10/12/2012	CJR	1
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	10	8260B		10/12/2012	CJR	1
1,2-Dichlorobenzene	< 7.6	ug/l	7.6	24	10	8260B		10/12/2012	CJR	1
Dichlorodifluoromethane	< 18	ug/l	18	59	10	8260B		10/12/2012	CJR	1
1,2-Dichloroethane	< 5	ug/l	5	16	10	8260B		10/12/2012	CJR	1
1,1-Dichloroethane	< 9.8	ug/l	9.8	31	10	8260B		10/12/2012	CJR	1
1,1-Dichloroethene	< 6	ug/l	6	19	10	8260B		10/12/2012	CJR	1
cis-1,2-Dichloroethene	< 7.4	ug/l	7.4	24	10	8260B		10/12/2012	CJR	1
trans-1,2-Dichloroethene	< 7.9	ug/l	7.9	25	10	8260B		10/12/2012	CJR	1
1,2-Dichloropropane	< 4	ug/l	4	13	10	8260B		10/12/2012	CJR	1
2,2-Dichloropropane	< 19	ug/l	19	59	10	8260B		10/12/2012	CJR	1
1,3-Dichloropropane	< 7.1	ug/l	7.1	23	10	8260B		10/12/2012	CJR	1
Di-isopropyl ether	< 6.9	ug/l	6.9	22	10	8260B		10/12/2012	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		10/12/2012	CJR	1
Ethylbenzene	103	ug/l	7.8	25	10	8260B		10/12/2012	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	68	10	8260B		10/12/2012	CJR	1
Isopropylbenzene	< 9.2	ug/l	9.2	29	10	8260B		10/12/2012	CJR	1
p-Isopropyltoluene	< 9.2	ug/l	9.2	29	10	8260B		10/12/2012	CJR	1
Methylene chloride	< 11	ug/l	11	34	10	8260B		10/12/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 8	ug/l	8	25	10	8260B		10/12/2012	CJR	1
Naphthalene	27.2 "J"	ug/l	21	68	10	8260B		10/12/2012	CJR	1
n-Propylbenzene	20.5	ug/l	5.9	19	10	8260B		10/12/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 5.3	ug/l	5.3	17	10	8260B		10/12/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 10	ug/l	10	32	10	8260B		10/12/2012	CJR	1
Tetrachloroethene	< 4.4	ug/l	4.4	14	10	8260B		10/12/2012	CJR	8
Toluene	9.3 "J"	ug/l	5.3	17	10	8260B		10/12/2012	CJR	1
1,2,4-Trichlorobenzene	< 15	ug/l	15	46	10	8260B		10/12/2012	CJR	1
1,2,3-Trichlorobenzene	< 13	ug/l	13	42	10	8260B		10/12/2012	CJR	1
1,1,1-Trichloroethane	< 8.5	ug/l	8.5	27	10	8260B		10/12/2012	CJR	1
1,1,2-Trichloroethane	< 4.7	ug/l	4.7	15	10	8260B		10/12/2012	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		10/12/2012	CJR	1
Trichlorofluoromethane	< 17	ug/l	17	53	10	8260B		10/12/2012	CJR	1
1,2,4-Trimethylbenzene	92	ug/l	8	25	10	8260B		10/12/2012	CJR	1
1,3,5-Trimethylbenzene	40	ug/l	7.4	24	10	8260B		10/12/2012	CJR	1
Vinyl Chloride	< 1.8	ug/l	1.8	5.6	10	8260B		10/12/2012	CJR	1
m&p-Xylene	161	ug/l	11	35	10	8260B		10/12/2012	CJR	1
o-Xylene	59	ug/l	8	26	10	8260B		10/12/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %			10	8260B		10/12/2012	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			10	8260B		10/12/2012	CJR	1
SUR - Dibromofluoromethane	103	REC %			10	8260B		10/12/2012	CJR	1
SUR - Toluene-d8	101	REC %			10	8260B		10/12/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.1	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	3.59 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356I
Sample ID MW-5
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	4570	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Lead, Dissolved	5.0	ug/L	0.7	2.5	1	7421		10/9/2012	CWT	1
Manganese, Dissolved	1610	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	239	ug/l	23	75	50	GRO95/8021		10/10/2012	CJR	1
Ethylbenzene	750	ug/l	23	75	50	GRO95/8021		10/10/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 28.5	ug/l	28.5	90	50	GRO95/8021		10/10/2012	CJR	1
Naphthalene	171 "J"	ug/l	115	360	50	GRO95/8021		10/10/2012	CJR	1
Toluene	2460	ug/l	24	75	50	GRO95/8021		10/10/2012	CJR	1
1,2,4-Trimethylbenzene	870	ug/l	39	125	50	GRO95/8021		10/10/2012	CJR	1
1,3,5-Trimethylbenzene	303	ug/l	39.5	125	50	GRO95/8021		10/10/2012	CJR	1
m&p-Xylene	3040	ug/l	35.5	115	50	GRO95/8021		10/10/2012	CJR	1
o-Xylene	1290	ug/l	37	115	50	GRO95/8021		10/10/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.1	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	< 3.4	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Lab Code 5024356J
Sample ID MW-1
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	700	ug/l	60	210	1	200.7		10/10/2012	CWT	1
Lead, Dissolved	14.1	ug/L	0.7	2.5	1	7421		10/9/2012	CWT	1
Manganese, Dissolved	253	ug/L	4.8	15.4	1	200.7		10/10/2012	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 23	ug/l	23	75	50	GRO95/8021		10/9/2012	CJR	1
Ethylbenzene	128	ug/l	23	75	50	GRO95/8021		10/9/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 28.5	ug/l	28.5	90	50	GRO95/8021		10/9/2012	CJR	1
Naphthalene	< 115	ug/l	115	360	50	GRO95/8021		10/9/2012	CJR	1
Toluene	251	ug/l	24	75	50	GRO95/8021		10/9/2012	CJR	1
1,2,4-Trimethylbenzene	410	ug/l	39	125	50	GRO95/8021		10/9/2012	CJR	1
1,3,5-Trimethylbenzene	127	ug/l	39.5	125	50	GRO95/8021		10/9/2012	CJR	1
m&p-Xylene	650	ug/l	35.5	115	50	GRO95/8021		10/9/2012	CJR	1
o-Xylene	283	ug/l	37	115	50	GRO95/8021		10/9/2012	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	< 0.1	mg/l	0.1	0.31	1	4500B/F		10/15/2012	CWT	1
Sulfate, Dissolved	5.94 "J"	mg/l	3.4	10.6	2	300.0		10/9/2012	CWT	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356K
Sample ID TB
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/11/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/11/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/11/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/11/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/11/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/11/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/11/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/11/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/11/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/11/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/11/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/11/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/11/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/11/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/11/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/11/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/11/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/11/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/11/2012	CJR	1
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/11/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/11/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/11/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/11/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/11/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/11/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/11/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/11/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/11/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/11/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/11/2012	CJR	8
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/11/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/11/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/11/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/11/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/11/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/11/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/11/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/11/2012	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24356
Project #

Lab Code 5024356K
Sample ID TB
Sample Matrix Water
Sample Date 10/3/2012

	Result	Units	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		10/11/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/11/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/11/2012	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		10/11/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		10/11/2012	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		10/11/2012	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/11/2012	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.
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 J. Ricker

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 0627
Page 1 of 2

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

Lab I.D. #
Account No. :
Quote No.:
Project #:
Sampler: (signature)
Project (Name / Location): Krivanek Property - Packwaukee

Reports To: James Barker	Invoice To: James Barker c/o METCO
Company	Company METCO
Address 644 Evergreen Dr.	Address 709 Gillette St, Ste. 3
City State Zip Grand Marsh, WI 53936	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON (Dissolved)	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	Dissolved Manganese	PID/ FID
A 245901	N3541 Liberty	10-3	1055			Y	4	GW					X				X						
B	N3475 4th M		1130				4						X				X						
C	MW-2		1155				6					X		X			X	X				X	
D	MW-4		1220									X		X			X	X				X	
E	MW-3		1250									X		X			X	X				X	
F	MW-8		115									X	X	X				X		X		X	
G	MW-7		140									X	X	X				X		X		X	
H	MW-6		200									X	X	X				X		X		X	
I	MW-5		220									X	X	X			X	X				X	
J	MW-1		245									X	X	X			X	X				X	

Analysis Requested | Other Analysis

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

Lab to send copy of report to METCO / Jason P. (invoice to METCO)
* Agent Status U+C Rates Apply

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30	10-4-12			

Received in Laboratory By: Time: 8:00 Date: 10/5/12

CHAIN OF CUSTODY RECORD

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

Chain # No 1628
Page 2 of 2

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

Lab I.D. #	
Account No. :	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Krivanek Property – Parkwaukee
Reports To:	See Page 1
Invoice To:	See Page 1
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8 RCRA METALS	PID/ FID
502858	TB	10-3					1										X			X		

Analysis Requested / Other Analysis

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

See Page 1

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:30	10-4-17			

Received in Laboratory By: Time: 8:00 Date: 10/5/17

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report Date *12-Apr-13*

Project Name KRIVANEK PROPERTY **Invoice #** E24965
Project #

Lab Code 5024965A
Sample ID TB
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/1/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/1/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/1/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/1/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/1/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/1/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/1/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/1/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/1/2013	CJR	1

Lab Code 5024965B
Sample ID MW-2
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24965
Project #

Lab Code 5024965C
Sample ID MW-4
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	4.1	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	1.16 "J"	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	11.8	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	4.7	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	8.2	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	6.1	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965D
Sample ID MW-3
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	0.55 "J"	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	2.72 "J"	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	2.29	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	0.86 "J"	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965E
Sample ID MW-8
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965F
Sample ID MW-7
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24965
Project #

Lab Code 5024965F
Sample ID MW-7
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965G
Sample ID MW-6
Sample Matrix Water
Sample Date 3/28/2013

	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		4/3/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	0.72 "J"	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	5.4	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	4.4 "J"	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	2.77 "J"	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	2.05 "J"	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965H
Sample ID MW-1
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	131	ug/L	7	25	10	7421		4/3/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	90	ug/l	2.4	7.7	10	8260B		4/3/2013	CJR	1
Ethylbenzene	630	ug/l	5.5	17	10	8260B		4/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.3	ug/l	2.3	7.4	10	8260B		4/3/2013	CJR	1
Naphthalene	189	ug/l	17	55	10	8260B		4/3/2013	CJR	1
Toluene	2090	ug/l	6.9	22	10	8260B		4/3/2013	CJR	1
1,2,4-Trimethylbenzene	820	ug/l	22	69	10	8260B		4/3/2013	CJR	1
1,3,5-Trimethylbenzene	219	ug/l	14	45	10	8260B		4/3/2013	CJR	1
m&p-Xylene	2620	ug/l	6.9	22	10	8260B		4/3/2013	CJR	1
o-Xylene	990	ug/l	6.3	20	10	8260B		4/3/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E24965
Project #

Lab Code 5024965I
Sample ID MW-5
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	16.7	ug/L	0.7	2.5	1	7421		4/3/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	102	ug/l	12	38.5	50	8260B		4/3/2013	CJR	1
Ethylbenzene	221	ug/l	27.5	85	50	8260B		4/3/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 11.5	ug/l	11.5	37	50	8260B		4/3/2013	CJR	1
Naphthalene	244 "J"	ug/l	85	275	50	8260B		4/3/2013	CJR	1
Toluene	1020	ug/l	34.5	110	50	8260B		4/3/2013	CJR	1
1,2,4-Trimethylbenzene	490	ug/l	110	345	50	8260B		4/3/2013	CJR	1
1,3,5-Trimethylbenzene	190 "J"	ug/l	70	225	50	8260B		4/3/2013	CJR	1
m&p-Xylene	1400	ug/l	34.5	110	50	8260B		4/3/2013	CJR	1
o-Xylene	530	ug/l	31.5	100	50	8260B		4/3/2013	CJR	1

Lab Code 5024965J
Sample ID N3475 CTH M
Sample Matrix Water
Sample Date 3/28/2013

	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		4/3/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	CJR	1

Lab Code 5024965K
Sample ID N3591 LIBERTY
Sample Matrix Water
Sample Date 3/28/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		4/2/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		4/2/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		4/2/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		4/2/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		4/2/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		4/2/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		4/2/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		4/2/2013	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.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 925

Page 1 of 2

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

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

Project (Name / Location):	Krivanek Property / Packwaukee		
Reports To:	James Barker	Invoice To:	J. Barker c/o METCO
Company		Company	METCO
Address	644 Evergreen Dr.	Address	709 Gillette St., Ste 3
City State Zip	Grand Marsh, WI 53936	City State Zip	LaCrosse, WI 54603
Phone	(608) 572-1029	Phone	(608) 781-8879
FAX		FAX	

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502495 A	TB	03/27					1										X					
B	MW-2		10:50		X	N	3	GW	HCL								X					
C	MW-4		11:15																			
D	MW-3		11:40																			
E	MW-8		12:05																			
F	MW-7		12:30			Y	4															
G	MW-6		12:50						HCL/HNO3				X									
H	MW-1		1:15																			
I	MW-5		1:45																			
J	N3425 CTH M		1:55																			

Analysis Requested | Other Analysis

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

Note: U+C 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: Driven
Temp. of Temp. Blank: ___ C On Ice: ✓
Cooler seal intact upon receipt: ✓ Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Meyer	10:30	03/28/13			

Received in Laboratory By: [signature] Time: 8:20 Date: 3-29-13

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 924

Page 2 of 2

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

Lab I.D. #

Account No. : **Quote No.:**

Project #:

Sampler: (signature) Matthew C Mielke

Project (Name / Location): Krivanek Property / Packwaukee

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

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502465	N3591 Liberty	03/27	2:15		X	N	3	GW	HCL								X					

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

See Page 1

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Mielke	10:30	03/28/13			

Received in Laboratory By: [signature] Time: 8:00 Date: 3-29-13

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report Date *10-Jul-13*

Project Name KRIVANEK PROPERTY **Invoice #** E25389
Project #

Lab Code 5025389A
Sample ID N3475 PW
Sample Matrix Water
Sample Date 6/27/2013

	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		7/9/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/8/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/8/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/8/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/8/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/8/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25389
Project #

Lab Code 5025389B
Sample ID MW-6
Sample Matrix Water
Sample Date 6/27/2013

	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		7/9/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	1.79	ug/l	0.24	0.77	1	8260B		7/8/2013	CJR	1
Ethylbenzene	40	ug/l	0.55	1.7	1	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/8/2013	CJR	1
Naphthalene	18	ug/l	1.7	5.5	1	8260B		7/8/2013	CJR	1
Toluene	6.2	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	18.2	ug/l	2.2	6.9	1	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	9.8	ug/l	1.4	4.5	1	8260B		7/8/2013	CJR	1
m&p-Xylene	35	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
o-Xylene	5.7	ug/l	0.63	2	1	8260B		7/8/2013	CJR	1

Lab Code 5025389C
Sample ID MW-5
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	58.7	ug/L	3.5	12.5	5	7421		7/9/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	1.18	ug/l	0.24	0.77	1	8260B		7/9/2013	CJR	1
Ethylbenzene	21.5	ug/l	0.55	1.7	1	8260B		7/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/9/2013	CJR	1
Naphthalene	6.8	ug/l	1.7	5.5	1	8260B		7/9/2013	CJR	1
Toluene	2.44	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
1,2,4-Trimethylbenzene	42	ug/l	2.2	6.9	1	8260B		7/9/2013	CJR	1
1,3,5-Trimethylbenzene	14.4	ug/l	1.4	4.5	1	8260B		7/9/2013	CJR	1
m&p-Xylene	60	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
o-Xylene	4.2	ug/l	0.63	2	1	8260B		7/9/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25389
Project #

Lab Code 5025389D
Sample ID MW-1
Sample Matrix Water
Sample Date 6/27/2013

	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		7/9/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	48	ug/l	12	38.5	50	8260B		7/8/2013	CJR	1
Ethylbenzene	288	ug/l	27.5	85	50	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 11.5	ug/l	11.5	37	50	8260B		7/8/2013	CJR	1
Naphthalene	< 85	ug/l	85	275	50	8260B		7/8/2013	CJR	1
Toluene	1190	ug/l	34.5	110	50	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	330 "J"	ug/l	110	345	50	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	136 "J"	ug/l	70	225	50	8260B		7/8/2013	CJR	1
m&p-Xylene	1230	ug/l	34.5	110	50	8260B		7/8/2013	CJR	1
o-Xylene	540	ug/l	31.5	100	50	8260B		7/8/2013	CJR	1

Lab Code 5025389E
Sample ID N3591 LIBERTY
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/8/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/8/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/8/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/8/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/8/2013	CJR	1

Lab Code 5025389F
Sample ID MW-2
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/8/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/8/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/8/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/8/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/8/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25389
Project #

Lab Code 5025389G
Sample ID MW-4
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/8/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/8/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/8/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/8/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/8/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/8/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/8/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/8/2013	CJR	1

Lab Code 5025389H
Sample ID MW-3
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/9/2013	CJR	1

Lab Code 5025389I
Sample ID MW-8
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/9/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25389
Project #

Lab Code 5025389J
Sample ID MW-7
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/9/2013	CJR	1

Lab Code 5025389K
Sample ID TB
Sample Matrix Water
Sample Date 6/27/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		7/9/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		7/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		7/9/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		7/9/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		7/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		7/9/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		7/9/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		7/9/2013	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.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 665

Page 1 of 1

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

Lab I.D. #

Account No.: | Quote No.:

Project #:

Sampler: (signature)

Project (Name / Location): Krivanek Property - Packwaukee

Reports To: James Barker	Invoice To: James Barker c/o METCO
Company	Company METCO
Address 644 Evergreen Dr.	Address 709 Gillette St, Suite 3
City State Zip Grand Marsh, WI 53936	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502538 A	N3475 PW	6-27	1210			Y	4	GW					X				X					
B	MW-6		305										X				X					
C	MW-5		335										X				X					
D	MW-1		410										X				X					
E	N3591 Liberty		205			N	3										X					
F	MW-2		1135														X					
G	MW-4		1240														X					
H	MW-3		110														X					
I	MW-8		145														X					
J	MW-7		235														X					

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

K TB / X

Lab to send copy of report to METCO/Jason P. -invoice to METCO
UtC Rates Apply * Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:00	6-28-13			

Received in Laboratory By: Time: 10:00 Date: 6/29/13

Synergy Environmental Lab,

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

JAMES BARKER
JAMES BARKER
644 EVERGREEN DRIVE
GRAND MARSH, WI 53936

Report Date *10-Oct-13*

Project Name KRIVANEK PROPERTY **Invoice #** E25875
Project #

Lab Code 5025875A
Sample ID N3475 PW
Sample Matrix Water
Sample Date 10/1/2013

	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		10/8/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/7/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/7/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/7/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/7/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/7/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/7/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25875
Project #

Lab Code 5025875B
Sample ID MW-6
Sample Matrix Water
Sample Date 10/1/2013

	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		10/8/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	1.64	ug/l	0.27	0.85	1	GRO95/8021		10/7/2013	CJR	1
Ethylbenzene	6.5	ug/l	0.82	2.6	1	GRO95/8021		10/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/7/2013	CJR	1
Naphthalene	5.0	ug/l	1.2	3.8	1	GRO95/8021		10/7/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,2,4-Trimethylbenzene	4.0	ug/l	0.83	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,3,5-Trimethylbenzene	2.3 "J"	ug/l	0.86	2.7	1	GRO95/8021		10/7/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/7/2013	CJR	1
o-Xylene	1.05 "J"	ug/l	0.81	2.6	1	GRO95/8021		10/7/2013	CJR	1

Lab Code 5025875C
Sample ID MW-5
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	35.5	ug/L	1.4	5	2	7421		10/8/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	52	ug/l	0.27	0.85	1	GRO95/8021		10/7/2013	CJR	1
Ethylbenzene	206	ug/l	0.82	2.6	1	GRO95/8021		10/7/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/7/2013	CJR	1
Naphthalene	76	ug/l	1.2	3.8	1	GRO95/8021		10/7/2013	CJR	1
Toluene	171	ug/l	0.8	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,2,4-Trimethylbenzene	249	ug/l	0.83	2.6	1	GRO95/8021		10/7/2013	CJR	1
1,3,5-Trimethylbenzene	83	ug/l	0.86	2.7	1	GRO95/8021		10/7/2013	CJR	1
m&p-Xylene	420	ug/l	1.6	5.2	1	GRO95/8021		10/7/2013	CJR	1
o-Xylene	188	ug/l	0.81	2.6	1	GRO95/8021		10/7/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25875
Project #

Lab Code 5025875D
Sample ID MW-1
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	408.8	ug/L	14	50	20	7421		10/8/2013	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	171	ug/l	5.4	17	20	GRO95/8021		10/10/2013	CJR	1
Ethylbenzene	970	ug/l	16.4	52	20	GRO95/8021		10/10/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 7.4	ug/l	7.4	24	20.	GRO95/8021		10/10/2013	CJR	1
Naphthalene	271	ug/l	24	76	20	GRO95/8021		10/10/2013	CJR	1
Toluene	3150	ug/l	16	52	20	GRO95/8021		10/10/2013	CJR	1
1,2,4-Trimethylbenzene	1460	ug/l	16.6	52	20	GRO95/8021		10/10/2013	CJR	1
1,3,5-Trimethylbenzene	510	ug/l	17.2	54	20	GRO95/8021		10/10/2013	CJR	1
m&p-Xylene	4100	ug/l	32	104	20	GRO95/8021		10/10/2013	CJR	1
o-Xylene	1710	ug/l	16.2	52	20	GRO95/8021		10/10/2013	CJR	1

Lab Code 5025875E
Sample ID N3591 LIBERTY
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Lab Code 5025875F
Sample ID MW-2
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25875
Project #

Lab Code 5025875G
Sample ID MW-4
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Lab Code 5025875H
Sample ID MW-3
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Lab Code 5025875I
Sample ID MW-8
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Project Name KRIVANEK PROPERTY **Invoice #** E25875
Project #

Lab Code 5025875J
Sample ID MW-7
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	CJR	1

Lab Code 5025875K
Sample ID TB
Sample Matrix Water
Sample Date 10/1/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.85	1	GRO95/8021		10/9/2013	CJR	1
Ethylbenzene	< 0.82	ug/l	0.82	2.6	1	GRO95/8021		10/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.37	ug/l	0.37	1.2	1	GRO95/8021		10/9/2013	CJR	1
Naphthalene	< 1.2	ug/l	1.2	3.8	1	GRO95/8021		10/9/2013	CJR	1
Toluene	< 0.8	ug/l	0.8	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,2,4-Trimethylbenzene	< 0.83	ug/l	0.83	2.6	1	GRO95/8021		10/9/2013	CJR	1
1,3,5-Trimethylbenzene	< 0.86	ug/l	0.86	2.7	1	GRO95/8021		10/9/2013	CJR	1
m&p-Xylene	< 1.6	ug/l	1.6	5.2	1	GRO95/8021		10/9/2013	CJR	1
o-Xylene	< 0.81	ug/l	0.81	2.6	1	GRO95/8021		10/9/2013	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.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature *Michael Ricker*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # Nº 2680

Page 1 of 1

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

Lab I.D. #:	
Account No.:	Quote No.:
Project #:	
Sampler: (signature)	
Project (Name / Location):	Krivanek Property - Packwaukee
Reports To:	James Barker
Company	
Address	644 Evergreen Dr.
City State Zip	Grand Marsh, WI 53936
Phone	
FAX	
Invoice To:	James Barker c/o METCO
Company	METCO
Address	709 Gillette St, Ste. 3
City State Zip	La Crosse, WI 54603
Phone	
FAX	

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp.	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
502585A	N3475 PW	10-1	1110			Y	4	GW				X					X						
B	MW-6		115									X					X						
C	MW-5		140									X					X						
D	MW-1		210									X					X						
E	N3591 Liberty		125			N	3										X						
F	MW-2		1040														X						
G	MW-4		1135														X						
H	MW-3		1210														X						
I	MW-8		1225														X						
J	MW-7	V	1250					V									X						

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

k TB 1 X

Lab to send copy of report to METCO/Jason P. (invoice to METCO)
U+C Rates Apply * Asset Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	8:20	10-2-13			

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

APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89 Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Krivanek Property			1/10/2014	Matthew C. Michalski (METCO)

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			18.5		X																
VN079	MW-1		20	X		10/19/2011	2	P	782.6	783.15	X		3	8.1	13	10	11/mw	A		D	12
			37		X																
VN080	MW-2		24		X	10/19/2011	2	P	782.84	783.26	X		3	7.3	13	10	11/mw	A		U	50
			29	X																	
VN081	MW-3		50	X		10/19/2011	2	P	782.46	783.15	X		3	7.8	13	10	11/mw	A		S	46
			66		X																
VN082	MW-4		51	X		10/19/2011	2	P	781.96	782.48	X		3	7.1	13	10	11/mw	A		S	70
			17		X																
VN083	MW-5		85	X		10/19/2011	2	P	781.45	781.88	X		3	7.3	13	10	11/mw	A	X	D	70
			96		X																
VZ454	MW-8		144	X		9/11/2012	2	P	781.66	782.16	X		3	8.08	13	10	11/mw	A	X	S	158
			46		X																
VZ455	MW-6		144	X		9/11/2012	2		781.63	782.13	X		3	8.28	13	10	11/mw	A	X	D	135
			5	X																	
VZ456	MW-7		144	X		9/11/2012			781.46	781.96	X		3	8.05	13	10	11/mw	A	X	S	128

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

Grid Origin Location: (Check if estimated: ☒)
Lat. 43 ° 45 ' 58.25 " Long. 89 ° 27 ' 58.75 " or
St. Plane _____ ft. N. _____ ft. E. S/C/N Zone

Remarks: Local Grid System origin point SE corner of on-site shed located NW of removed USTs

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/18/2011	10/18/2011	Geoprobe
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-1-1 0-5 feet	48 60		2, 4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-1-2 5-10 feet	48 60		6, 8, 10	EOB at 10 feet. Borehole abandoned. Groundwater sample G-1-W taken at 6-10 feet.				350		M/W				Petro odor
			12, 14, 16, 18, 20, 22, 24											

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

Signature: Troy Moseley Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-2/MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson Firm: Soil Essentials	10/19/2011 MM/ DD/ YYYY	10/19/2011 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-1	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-2-1 0-5 feet	54 60		2 4	Light brown vf-m grained sand	SP			15		M				No petro odor
G-2-2 5-10 feet	54 60		6 8					500		M/W				Petro odor
			10 12	Light brown to gray silt to clay	CL									
			14	EOB at 13.5 feet with well installed at 13 feet. Groundwater sample G-2-W taken at 6-10 feet.										
			16 18 20 22 24											

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/18/2011	10/18/2011	Geoprobe
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-3-1 0-5 feet	54 60		2	Light brown vf-m grained sand	SP			0		M				No petro odor
G-3-2 5-10 feet	54 60		4 6 8 10					190		M/W				Petro odor
			12 14 16 18 20 22 24	EOB at 10 feet. Borehole abandoned. Groundwater sample G-3-W taken at 6-10 feet.										

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

Signature: Troy Moseley Firm: METCO

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/18/2011	10/18/2011	Geoprobe
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-4-1 0-5 feet	54 60		2	Light brown vf-m grained sand	SP			0		M				No petro odor
G-4-2 5-10 feet	54 60		4 6 8 10					600		M/W				Petro odor
			12 14 16 18 20 22 24	EOB at 10 feet. Borehole abandoned. Groundwater sample G-4-W taken at 6-10 feet.										

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson Firm: Soil Essentials	10/18/2011 MM/ DD/ YYYY	10/18/2011 MM /DD/ YYYY	Geoprobe

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-5-1 0-5 feet	42 60		2 4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-5-2 5-10 feet	54 60		6 8					10		M/W				No petro odor
			10	EOB at 10 feet. Borehole abandoned. Groundwater sample G-5-W taken at 6-10 feet.										
			12 14 16 18 20 22 24											

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/19/2011	10/19/2011	Geoprobe
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-6-1 0-5 feet	54 60		2, 4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-6-2 5-10 feet	48 60		6, 8					700		M/W				Petro odor and staining
			10	EOB at 10 feet. Borehole abandoned. Groundwater sample G-6-W taken at 6-10 feet.										
			12, 14, 16, 18, 20, 22, 24											

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

Signature: Troy Moseley Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-7/MW-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson Firm: Soil Essentials	10/19/2011 MM/ DD/ YYYY	10/19/2011 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-5	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat ° ' "	N	E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample					Soil Properties									
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-7-1 0-5 feet	48 60		2 4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-7-2 5-10 feet	60 60		6 8 10					45		M/W				Slight petro odor
			12	Light brown to gray silt to clay	CL									
			14	EOB at 13.5 feet with well installed at 13 feet. Groundwater sample G-7-W taken at 6-10 feet.										
			16 18 20 22 24											

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-8/MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson Firm: Soil Essentials	10/19/2011 MM/ DD/ YYYY	10/19/2011 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-2	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-8-1 0-5 feet	54 60		2 4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-8-2 5-10 feet	60 60		6 8 10					0		M/W				No petro odor
			12	Light brown to gray silt to clay	CL									
			14 16 18 20 22 24	EOB at 13.5 feet with well installed at 13 feet. Groundwater sample G-8-W taken at 6-10 feet.										

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-9/MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/19/2011	10/19/2011	Geoprobe/HSA
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
	MW-3	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-9-1 0-5 feet	48 60		0–4	Light brown vf-m grained sand	SP			0		M				No petro odor
G-9-2 5-10 feet	54 60		4–8					0		M/W				No petro odor
			8–12	Light brown to gray silt to clay	CL									
			12–14	EOB at 13.5 feet with well installed at 13 feet. Groundwater sample G-9-W taken at 6-10 feet.										

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		G-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson	10/19/2011	10/19/2011	Geoprobe
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

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

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat ° ' "	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long ° ' "	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-10-1 0-5 feet	48 60		2	Light brown vf-m grained sand	SP			0		M				No petro odor
G-10-2 5-10 feet	54 60		4 6 8					0		M/W				No petro odor
			10	EOB at 10 feet. Borehole abandoned. Groundwater sample G-10-W taken at 6-10 feet.										
			12 14 16 18 20 22 24											

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		MW-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Cory Last: Johnson Firm: Soil Essentials	10/19/2011 MM/ DD/ YYYY	10/19/2011 MM /DD/ YYYY	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-4	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location
State Plane N, E
NE ¼ of SE ¼ of Section 19 , T15N, R09E

Lat ° ' "
Long ° ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-4-1 0-5 feet	48 60		2 4	Light brown vf-m grained sand	SP			0		M				No petro odor
MW-4-2 5-10 feet	54 60		6 8 10					0		M/W				No petro odor
			12	Light brown to gray silt to clay	CL									
			14	EOB at 13.5 feet with well installed at 13 feet.										
			16 18 20 22 24											

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

Signature: Troy Moseley Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		MW-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Dave Last: Paulson	09/11/2012	09/11/2012	Geoprobe/HSA
Firm: Soil Essentials	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ455		MW-6	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43° 45 ' 57.8" N	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long 89° 27 ' 59.0" W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties: PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-6-1 (0'-4')	24		4	Tan very fine to fine grained sand	SP		SEE WELL CONSTRUCTION FORM	0		DRY				No petro odor
MW-6-2 (4'-8')	30		8	Tan very fine to fine grained sand	SP			0		M/W				No petro odor
				8'-9' Gray very fine to fine grained sand	SP									
				9'-11.5' Gray sandy clay	CL									
MW-6-3 (8'-12')	48		12	11.5' – 12' Tan very fine to medium grained sand	SP			100		W				Slight petro odor
			14	EOB at 13.5 feet. Installed Monitoring well MW-6 at 13 feet.										
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		MW-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Dave Last: Paulson Firm: Soil Essentials	09/11/2012 MM/ DD/ YYYY	09/11/2012 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ456		MW-7	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43° 45 ' 57.8" N	N E
NE ¼ of SE ¼ of Section 19 , T15N, R09E	Long 89° 27 ' 59.0" W	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-7-1 (0'-4')	8		4	Tan very fine to fine grained sand	SP		SEE WELL CONSTRUCTION FORM	0		DRY				No petro odor
MW-7-2 (4'-8')	30		8	Tan very fine to fine grained sand	SP			0		M/W				No petro odor
				8'-9' Tan very fine to fine grained sand	SP									
MW-7-3 (8'-12')	48		12	9'-11.5' Tan sandy clay	CL			0		W				No petro odor
				11.5' – 12' Tan very fine to medium grained sand	SP									
			14	EOB at 13.5 feet. Installed Monitoring well MW-7 at 13 feet.										

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

Signature: Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Krivanek Property		MW-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Dave Last: Paulson Firm: Soil Essentials	09/11/2012 MM/ DD/ YYYY	09/11/2012 MM /DD/ YYYY	Geoprobe/HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VZ454		MW-8	Feet MSL	Feet MSL	8.2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat 43° 45' 57.8" N	N	E
NE ¼ of SE ¼ of Section 19, T15N, R09E	Long 89° 27' 59.0" W	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / Village
	Marquette	39	Packwaukee

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-8-1 (0'-4')	30		4	Tan very fine to fine grained sand	SP		SEE WELL CONSTRUCTION FORM	0		DRY				No petro odor
MW-8-2 (4'-8')	24		8	Tan very fine to fine grained sand	SP			0		M/W				No petro odor
			10	8'-9.5' Tan very fine to fine grained sand	SP									
MW-8-3 (8'-12')	42		12	9.5'-12' Gray sandy clay	CL			0		W				No petro odor
			14	EOB at 13.5 feet. Installed Monitoring well MW-8 at 13 feet.										
			16											
			18											
			20											
			22											
			24											

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

Signature: Firm: **METCO**

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek Prop.	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW-1
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or	Wis. Unique Well Number: UN029 DNR Well Number: ____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane ____ ft. N, ____ ft. E.	Date Well Installed: 10/19/11 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): Cory Johnson, Soil Essentials
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

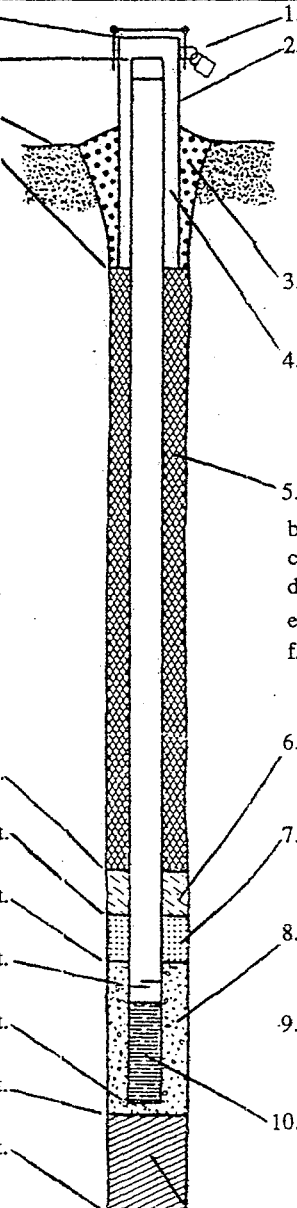
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☐ ____

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):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 2.7 ft.
H. Screen joint, top _____ ft. MSL or 3.0 ft.
I. Well bottom _____ ft. MSL or 13.0 ft.
J. Filter pack, bottom _____ ft. MSL or 13.5 ft.
K. Borehole, bottom _____ ft. MSL or 13.5 ft.
L. Borehole diameter 6.2 in.
M. O.D. well casing 2.2.1 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9. 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; Annular space seal ☐ __; Other ☐ ____
5. Annular space seal: a. Granular 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. 1 Bag 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley #4000
b. Volume added 0 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley
b. Volume added 5.5 Bags
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature _____ Firm Soil Essentials Ltd

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek Property	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-2
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: VM080 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 10/19/11 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): Cory Johnson; Soil Essentials Ltd
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 10 ft.

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

13. Sieve analysis attached? ☐ 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):
_____

E. Bentonite seal, top _____ ft. MSL or 10 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 28 ft.
H. Screen joint, top _____ ft. MSL or 30 ft.
I. Well bottom _____ ft. MSL or 130 ft.
J. Filter pack, bottom _____ ft. MSL or 135 ft.
K. Borehole, bottom _____ ft. MSL or 135 ft.
L. Borehole, diameter 8 2 in.
M. O.D. well casing 2 2 1 in.
N. I.D. well casing 2 0 in.

1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: Flush mt 9. 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; Annular space seal ☐ _____; Other ☐ _____
5. Annular space seal: a. Granular 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. 3/4 Bag 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 pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley —
b. Volume added — ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5
b. Volume added 4.5 Bag 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 Mansflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature _____ Firm Soil Essentials

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek Prop	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: mw-3
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: VN051 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 10/29/11 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Well Installed By: (Person's Name and Firm): Cory Johnson; Soil Essentials
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

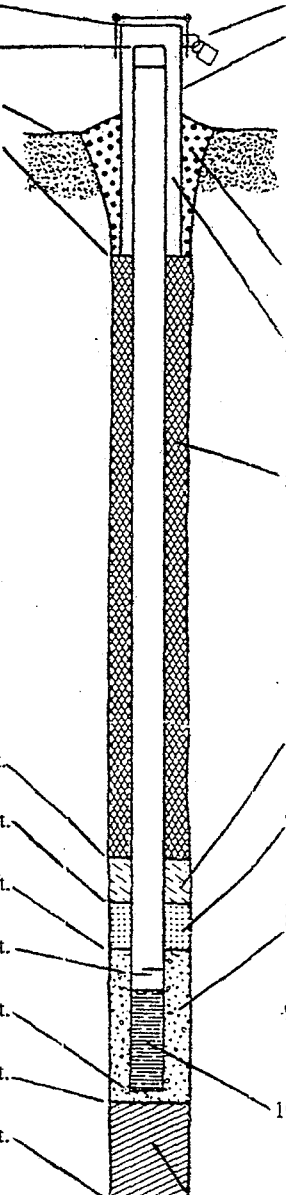
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☐ _____

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): _____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 2.8 ft.
H. Screen joint, top _____ ft. MSL or 3.0 ft.
I. Well bottom _____ ft. MSL or 13.0 ft.
J. Filter pack, bottom _____ ft. MSL or 13.5 ft.
K. Borehole, bottom _____ ft. MSL or 13.5 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.21 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: Flush 1.7 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; Annular space seal ☐ __; Other ☐ _____
5. Annular space seal: a. Granular 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. 1 Bag 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added — ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5
b. Volume added 5 Bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature _____ Firm Soil Essentials

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek Prop	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-4
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: UNOS3 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 10/19/94 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Well Installed By: (Person's Name and Firm): Cory Johnson / Soil Essentials
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

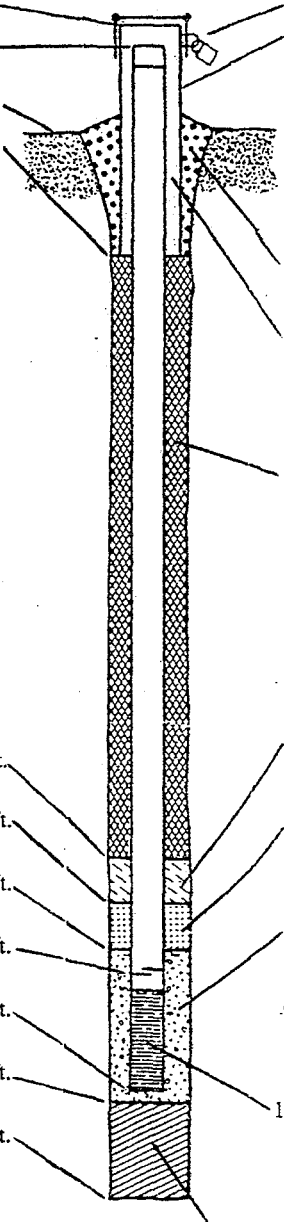
13. Sieve analysis attached? ☐ Yes ☐ No

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):



E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 2.8 ft.
H. Screen joint, top _____ ft. MSL or 3.0 ft.
I. Well bottom _____ ft. MSL or 13.0 ft.
J. Filter pack, bottom _____ ft. MSL or 13.5 ft.
K. Borehole, bottom _____ ft. MSL or 13.5 ft.
L. Borehole diameter 6.2 in.
M. O.D. well casing 2.2.1 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9. in.
b. Length: Flush 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; Annular space seal ☐ ____; Other ☐ ____
5. Annular space seal: a. Granular 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. 1 Bag 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 pellets ☐ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. — ____
b. Volume added — ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley ____
b. Volume added 6 Bags 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 Mono Flex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature _____ Firm Soil Essentials

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek Prop	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-5
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: UN083 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 10/19/11 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): Cory Johnson, Soil Essentials
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 10 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

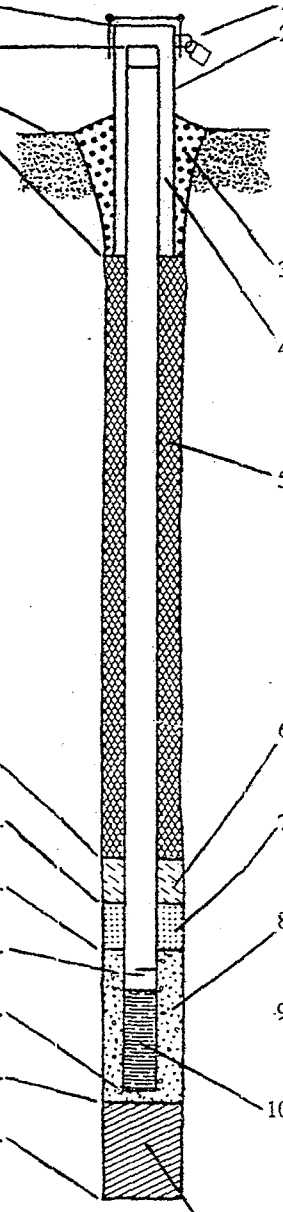
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☐ _____

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):
_____

E. Bentonite seal, top _____ ft. MSL or 10 ft.
F. Fine sand, top _____ ft. MSL or 27 ft.
G. Filter pack, top _____ ft. MSL or [redacted] ft.
H. Screen joint, top _____ ft. MSL or 30 ft.
I. Well bottom _____ ft. MSL or 130 ft.
J. Filter pack, bottom _____ ft. MSL or 135 ft.
K. Borehole, bottom _____ ft. MSL or 135 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.21 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9. in.
b. Length: Flush 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; Annular space seal ☐ __; Other ☐ _____
5. Annular space seal: a. Granular 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. 1 Bag 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. — __
b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5 __
b. Volume added 5.5 Bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____ __
10. Screen material: PVC __
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer: Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature: _____ Firm: Soil Essentials

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Kriviancks	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-6
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: V2455 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 09/11/12 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): David Pawlson; Soil Essentials Ltd
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ 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):

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 2.9 ft.
H. Screen joint, top _____ ft. MSL or 3.0 ft.
I. Well bottom _____ ft. MSL or 13.0 ft.
J. Filter pack, bottom _____ ft. MSL or 13.5 ft.
K. Borehole, bottom _____ ft. MSL or 13.5 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.12 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9. 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; Annular space seal ☐ __; Other ☐ _____
5. Annular space seal: a. Granular 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. 3/4 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. —
b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5
b. Volume added 5 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature _____ Firm Soil Essentials

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Krivanek	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-7
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: VZ450 DNR Well Number:
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 09/11/12 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): David Pawlson; Soil Essentials LLC
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 10 ft.

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

13. Sieve analysis attached? ☐ 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): _____

E. Bentonite seal, top _____ ft. MSL or 10 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 29 ft.
H. Screen joint, top _____ ft. MSL or 30 ft.
I. Well bottom _____ ft. MSL or 130 ft.
J. Filter pack, bottom _____ ft. MSL or 135 ft.
K. Borehole, bottom _____ ft. MSL or 135 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.12 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 4 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; Annular space seal ☐ __; Other ☐ _____
5. Annular space seal: a. Granular 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. 3/4 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. — __
b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5 __
b. Volume added 5 bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____ __
10. Screen material: PVC __
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature: _____ Firm: Soil Essentials

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Kriviak	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW-8
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number: U2454 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Date Well Installed: 09/11/12 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) David Pawlson; Soil Essentials Ltd
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

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 1 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 attached? ☐ Yes ☐ No

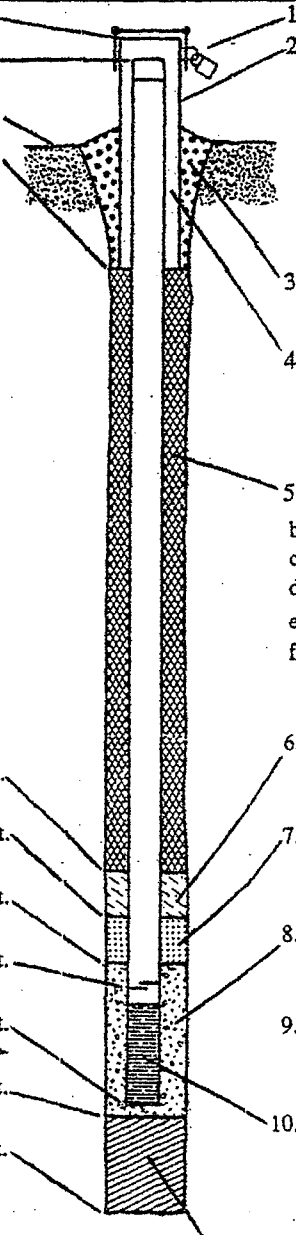
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☐ _____

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):
_____

E. Bentonite seal, top _____ ft. MSL or 1 0 ft.
F. Fine sand, top _____ ft. MSL or — ft.
G. Filter pack, top _____ ft. MSL or 2 9 ft.
H. Screen joint, top _____ ft. MSL or 3 0 ft.
I. Well bottom _____ ft. MSL or 1 3 0 ft.
J. Filter pack, bottom _____ ft. MSL or 1 3 5 ft.
K. Borehole, bottom _____ ft. MSL or 1 3 5 ft.
L. Borehole, diameter 8 2 in.
M. O.D. well casing 2 12 in.
N. I.D. well casing 2 0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 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; Annular space seal ☐ __; Other ☐ _____
5. Annular space seal: a. Granular 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. 3 4 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 pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. — __
b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. RW Sidley #5 __
b. Volume added 5 bags 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 none flexo
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature _____ Firm Soil Essentials

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Krivanek Property		MW-1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
_____	___	VA029 / ___

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

2. Well development method

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

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 12.7 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) 0.__ 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. 8.1 ft.	8.3 ft.
Date	b. 10/19/11 (m m d d y y)	10/19/11 (m m d d y y)
Time	c. 250 ☐ a.m. ☒ p.m.	335 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	.0 inches	.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 Turbid ☐ 25 (Describe) Lt Brown

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. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Cory Johnson

Firm: Soil Essentials LLC

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

Signature: _____

Print Initials: DAP

Firm: Soil Essentials LLC

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Krivanek Prop		mw-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
		VN070

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

2. Well development method

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

3. Time spent developing well 47 min.

4. Depth of well (from top of well casisng) 12.6 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 60.0 gal.

8. Volume of water added (if any) 0.__ 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. 7.3 ft.	8.1 ft.
Date	b. 10/19/11 (m m d d y y)	10/19/11 (m m d d y y)
Time	c. 12:13 ☐ a.m. ☒ p.m.	1:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.1 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 Turbid ☐ 25 (Describe) Lite Brown
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. Additional comments on development:

—

Well developed by: Person's Name and Firm
Cory Johnson
Name: David Pawlson
Firm: Soil Essentials

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Dave Pawlson
Print Initials: DBP
Firm: Soil Essentials Ltd

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Krivanek Property		MW-3
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
_____	___	VM851 / ___

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

2. Well development method

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

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 12.6 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 60.0 gal.

8. Volume of water added (if any) 0.__ 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. 7.8 ft.	7.9 ft.
Date	b. 10/19/11 (m m d d y y)	10/19/11 (m m d d y y)
Time	c. 01:05 ☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	.1 inches	.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 Turbid ☐ 25 (Describe)
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. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Cory Johnson

Firm: Soil Essentials LTD

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

Signature: _____

Print Initials: DAP

Firm: Soil Essentials LTD

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Krivanek Prop		MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
_____	___	VA082	___

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

2. Well development method

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

3. Time spent developing well 50 min.

4. Depth of well (from top of well casisng) 12.7 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 600 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. 7.1 ft.	7.3 ft.
Date	b. 10/19/11 (m m d d y y)	10/19/11 (m m d d y y)
Time	c. 2:00 ☐ a.m. ☒ p.m.	2:50 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	.1 inches	0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 Turbid ☐ 25 (Describe)

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. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Cory Johnson

Firm: Soil Essentials

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

Signature: [signature]

Print Initials: DAP

Firm: Soil Essentials

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Kinnamark		MW-5
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
_____	__	WW083 / ___

		Before Development	After Development
1. Can this well be purged dry?	☐ Yes ☒ No		
2. Well development method			
surged with bailer and bailed	☐ 41		
surged with bailer and pumped	☐ 61		
surged with block and bailed	☐ 42		
surged with block and pumped	☐ 62		
surged with block, bailed and pumped	☐ 70		
compressed air	☐ 20		
bailed only	☐ 10		
pumped only	☐ 51		
pumped slowly	☒ 50		
Other _____	☐		
11. Depth to Water (from top of well casing)		a. 7.3 ft.	7.4 ft.
Date		b. 10/19/11 (m m d d y y)	10/19/11 (m m d d y y)
Time		c. 2:30 ☐ a.m. ☒ p.m.	3:10 ☐ a.m. ☒ p.m.
12. Sediment in well bottom		.0 inches	0 inches
13. Water clarity		Clear ☐ 10 / Turbid ☒ 15 (Describe) Brown	Clear ☒ 20 / Turbid ☐ 25 (Describe)
3. Time spent developing well	40 min.		
4. Depth of well (from top of well casisng)	12.8 ft.		
5. Inside diameter of well	2.0 in.		
6. Volume of water in filter pack and well casing	___.__ gal.		
7. Volume of water removed from well	50.0 gal.		
8. Volume of water added (if any)	.0 gal.		
9. Source of water added	—		
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☒ No		

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. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Cory Johnson

Firm: Soil Essentials

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

Signature: _____

Print Initials: _____

Firm: Soil Essentials

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Krivanek Property	MARQUETTE	MW-6
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	39	VZ455 /

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

2. Well development method

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

3. Time spent developing well 120 min.

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

5. Inside diameter of well 2 in.

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

7. Volume of water removed from well 35 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.28 ft.	8.71 ft.
Date	b. 09 / 11 / 2012 (m m / d d / y y y y)	9/ 11/ 2012 (m m / d d / y y y y)
Time	c. 10 : 40 X a.m. ☐ p.m.	12 : 40 ☐ a.m. X p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid X 15	Clear X 20 Turbid ☐ 25
	(Describe) Color: Tan; High Turbidity; Odor	(Describe) Color: Clear; Low Turbidity; Odor
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: James Last Name: Barker
Facility/Firm: _____
Street: 664 Evergreen Dr.
City/State/Zip: Grand Marsh WI 53936-

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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Krivanek Property	MARQUETTE	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	39	VZ456	

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

2. Well development method

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

3. Time spent developing well 120 min.

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

5. Inside diameter of well 2 in.

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

7. Volume of water removed from well 60 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.05 ft.	8.18 ft.
Date	b. 09 / 11 / 2012 (m m d d y y y y)	9/ / 11/ /2012 (m m d d y y y y)
Time	c. 12 : 00 ☐ a.m. X p.m.	02 : 00 ☐ a.m. [X] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Color: Tan; High Turbidity; No Odor	Color: Clear; Low Turbidity; No Odor

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: James Last Name: Barker
Facility/Firm: _____
Street: 664 Evergreen Dr.
City/State/Zip: Grand Marsh WI 53936-

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

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Krivanek Property	MARQUETTE	MW-8

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	39	VZ454	

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

2. Well development method

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

3. Time spent developing well 85 min.

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

5. Inside diameter of well 2 in.

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

7. Volume of water removed from well 20 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.08 ft.	11.49 ft.
Date	b. 09 / 11 / 2012 (m m / d d / y y y y)	9/ / 11/ / 2012 (m m / d d / y y y y)
Time	c. 12 : 50 ☐ a.m. X p.m.	02 : 15 ☐ a.m. [X] p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Color: Tan High Turbidity No Odor	Color: Clear Low Turbidity No Odor

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: James Last Name: Barker
Facility/Firm: _____
Street: 664 Evergreen Dr.
City/State/Zip: Grand Marsh WI 53936-

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

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

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-1 | Gov't Lot (If applicable): _____

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	10	16	

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO) | Date of Abandonment: 10/17/2011

Signature of Person Doing Work: Jason J. Powell | Date Signed: 10/31/11

Street or Route: 1421 State Road 16 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-3 | Gov't Lot (If applicable): _____

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. S C N Zone ☐☐☐

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	10	16	

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO) | Date of Abandonment: 10/17/2011

Signature of Person Doing Work: J. Powell | Date Signed: 10/31/11

Street or Route: 1421 State Road 16 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-4 | Gov't Lot (If applicable): _____

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. S C N Zone ☐☐☐

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
Surface	10	16	
bentonite chips			

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO)

Date of Abandonment: 10/17/2011

Signature of Person Doing Work: J. Powell

Date Signed: 10/31/11

Street or Route: 1421 State Road 16

Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-5 | Gov't Lot (If applicable)

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. S C N Zone ☐☐☐

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	10	16	

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO) | Date of Abandonment: 10/17/2011

Signature of Person Doing Work: Jason T. Powell | Date Signed: 10/31/11

Street or Route: 1421 State Road 16 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-6 | Gov't Lot (If applicable): _____

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	10	16	

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO) | Date of Abandonment: 10/17/2011

Signature of Person Doing Work: Jason T. Powell | Date Signed: 10/31/11

Street or Route: 1421 State Road 16 | Telephone Number: (608) 781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MARQUETTE

Common Well Name: G-10 | Gov't Lot (If applicable):

Grid Location: NE 1/4 of SE 1/4 of Sec. 19 ; T. 15 N; R. 9 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐S ☐C ☐N Zone

Reason For Abandonment: Sampling complete

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name: Krivanek Property

Facility ID | License/Permit/Monitoring No.

Street Address of Well: N3475 CTH M

City, Village, or Town: Packwaukee

Present Well Owner: James Barker | Original Owner

Street Address or Route of Owner: 644 Evergreen Dr.

City, State, Zip Code: Grand Marsh WI 53936-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 10/18/2011

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 10 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	lbs. sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	10	16	

(6) Comments: Abandoned by Soil Essentials under METCO supervision.

(7) Name of Person or Firm Doing Sealing Work: Jason Powell (METCO) | Date of Abandonment: 10/17/2011

Signature of Person Doing Work: Jason T. Powell | Date Signed: 10/31/11

Street or Route: 1421 State Road 16 | Telephone Number: (608)781-8879

City, State, Zip Code: LaCrosse WI 54601-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

APPENDIX D/ WASTE DISPOSAL DOCUMENTATION

DKS Construction Services, Inc.

P.O. BOX 222
2520 WILSON ST.
MENOMONIE,WI 54751

Invoice

DATE	INVOICE #
11/28/2011	28683

BILL TO

JAMES BARKER
%METCO
1421 US HIGHWAY 16
LA CROSSE, WI 54601

TERMS	Due on receipt
P.O. NO. OR PROJECT	
KRIVANEK PROPERTY	

QTY.	DESCRIPTION	RATE	AMOUNT
1	MOBILIZATION	274.00	274.00
3	PICK UP, HAUL, AND DISPOSE OF SOIL DRUMS	103.00	309.00
2	PICK UP, HAUL, AND DISPOSE OF WATER DRUMS	40.10	80.20
	DISPOSAL AT VEOLIA SEVEN MILE CREEK LANDFILL IN EAU CLAIRE WI		

Eau. Waste Disposal
Reviewed 11/29/11
OK

A service charge of 1 1/2% per month (18% annual percentage rate) will be charged on accounts over 30 days past due. If you find any problems or have questions regarding this invoice, please call our office within five (5) days. If not, we assume it is entirely correct and you will be responsible for all charges. If payment is not made as stated, all costs and attorneys fees incurred in enforcing this invoice will be the responsibility of the customer and/or owner.

Subtotal	$663.20
Sales Tax (0.00)	$0.00
Total Due	$663.20
Payments/Credits	$0.00
Balance Due	$663.20

SUBCONTRACTOR IDENTIFICATION NOTICE

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW,CONTRACTOR HEREBY NOTIFIES THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON THAT LAND OR ON THE BUILDINGS ON THAT LAND IF THEY ARE NOT PAID FOR SUCH LABOR OR MATERIALS. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED CONTRACTOR ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION.ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. CONTRACTOR AGREES TO COOPERATE WITH THE OWNER AND HIS LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

715-235-2600 PHONE 715-235-6661 FAX office@dks54751.com E-Mail

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

INVOICE

8-12 20 13

CUSTOMER
MEICO % James Baker
709 Gillette St, Suite 3
La Crosse WI 54603

JOB NAME
Krivanek Property
N3425 Cty Hwy M
Packwaukee WI

☐ CASH ☐ CHECK # _____ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE	AMOUNT
	1	Mobilization	1	274 —	274 —
	1	Haul soil drum to Advanced Disposal - EC WI	1	103 —	103 —
		Thank You			
				TOTAL	377 —

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

SIGNATURE _____ SL

Inv. Waste Disposal
Reviewed 8/22/13
DK

APPENDIX E/ OTHER DOCUMENTATION

Slug Test Calculations
Krivanek Property BRRTS# 03-39-001727

MW-1

	ft/s	ft/year	cm/s	m/yr
K	3.84E-05	1.21E+03	1.17E-03	369.11
	sq ft/s	**sq cm/s**		
T	2.38E-04	2.21E-01		

MW-2

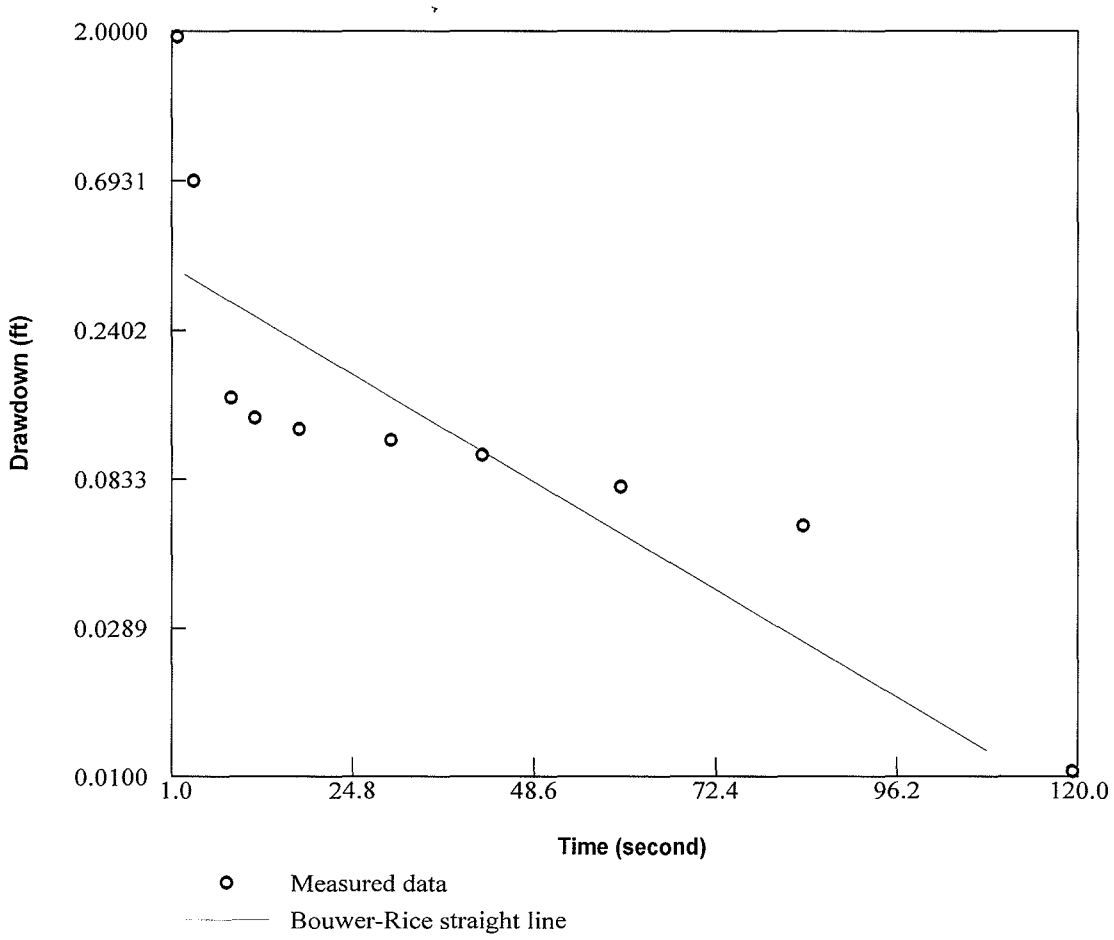
	ft/s	ft/year	cm/s	m/yr
K	1.01E-04	3.19E+03	3.08E-03	970.83
	sq ft/s	**sq cm/s**		
T	6.51E-04	6.05E-01		

MW-5

	ft/s	ft/year	cm/s	m/yr
K	4.99E-06	1.57E+02	1.52E-04	47.96
	sq ft/s	**sq cm/s**		
T	3.64E-05	3.38E-02		

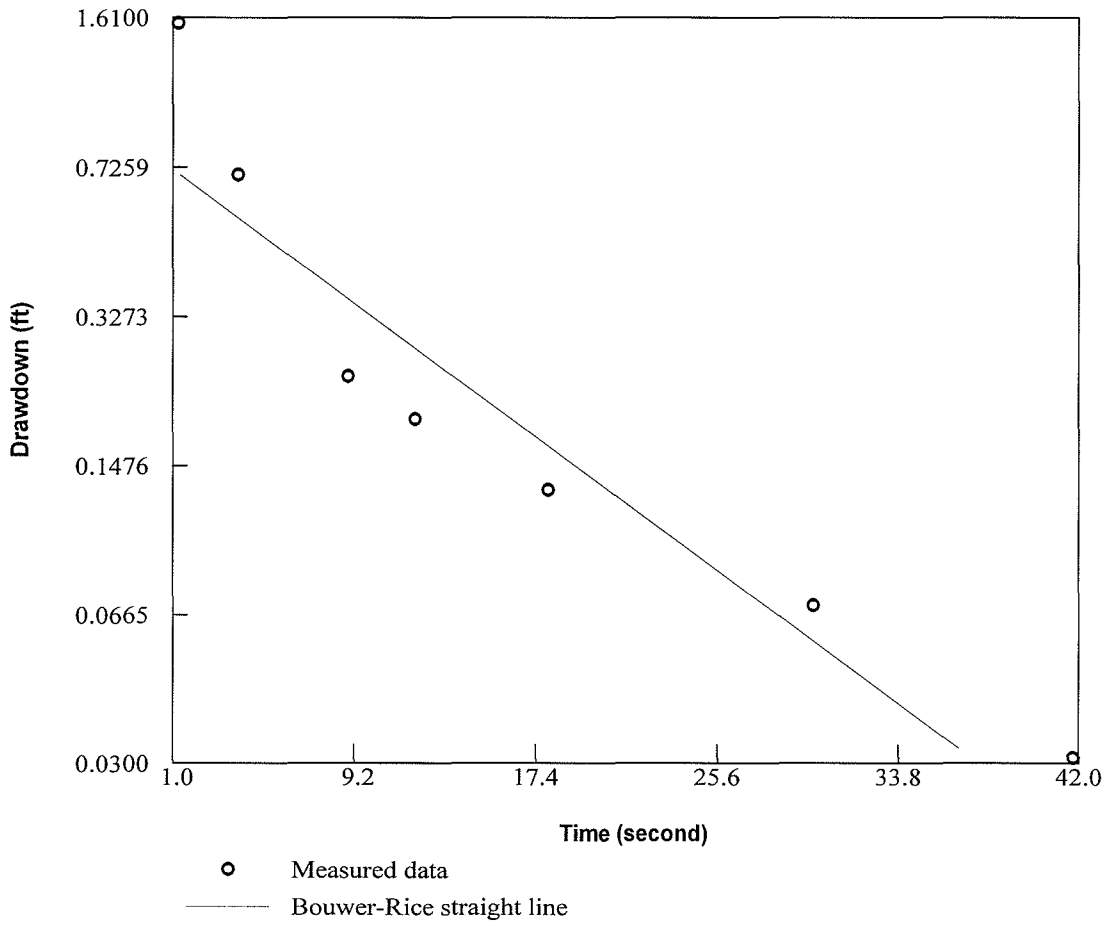
Date	Elv. (High)	Elv. (Low)	Distance (ft)	Hyd Grad (I)
02/07/12	776.25	775.75	63	7.94E-03
10/03/12	774.25	773.25	100	1.00E-02
03/27/13	776.50	776.00	32	1.56E-02
06/27/13	779.50	778.00	90	1.67E-02
10/01/13	776.00	774.50	100	1.50E-02
Average				1.30E-02

	K (m/yr)	Average Hyd Grad (I)	Porosity (n)	Flow Velocity (m/yr)
MW-1	369.11	1.30E-02	0.3	16.05080
MW-2	970.83	1.30E-02	0.3	42.21696
MW-5	47.96	1.30E-02	0.3	2.08577



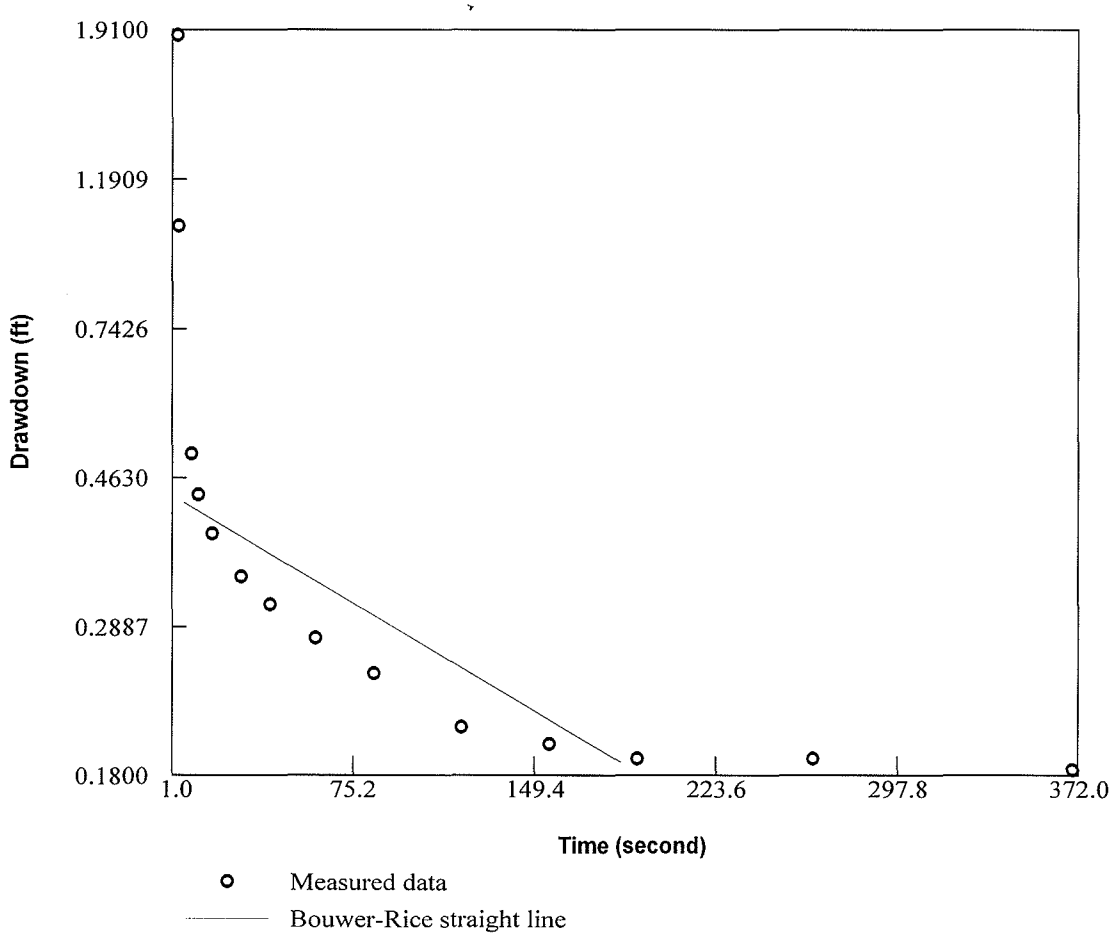
Aquifer Parameters by the Bouwer and Rice Slug Test	
Hydraulic Conductivity (ft/s):	3.84e-005
Transmissivity (sq ft/s):	2.38e-004

Krivanek Property (MW-1)



Aquifer Parameters by the Bouwer and Rice Slug Test	
Hydraulic Conductivity (ft/s):	1.01e-004
Transmissivity (sq ft/s):	6.51e-004

Krivanek Property (MW-2)



Aquifer Parameters by the Bouwer and Rice Slug Test	
Hydraulic Conductivity (ft/s):	4.99e-006
Transmissivity (sq ft/s):	3.64e-005

Krivanek Property (MW-5)

Site Name: Krivanek Property

Sample ID: G-1-1 (3 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	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	2.000		5.00E-03	

03-39-001727

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 5.00E-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: Krivanek Property

Sample ID: G-2-1 (3 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	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	5.000		1.25E-02	

03-39-001727

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 1.25E-02 | 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: Krivanek Property

Sample ID: G-3-1 (3 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	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
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	**0.096**	E		6.5E-06
Acenaphthene	83-32-9	3440	-	3440	nc	0.032		9.30E-06	
Anthracene	120-12-7	17200	-	17200	nc	0.054		3.14E-06	
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca	0.119			8.0E-07
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca	**0.154**	E		1.0E-06
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca	0.062			4.2E-08
Chrysene	218-01-9	-	14.8	14.8	ca	0.128			8.6E-09
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca	**0.0182**	E		1.2E-06
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	0.298		1.30E-04	
Fluorene	86-73-7	2290	-	2290	nc	0.0256		1.12E-05	
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca	0.057			3.9E-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	0.228		1.33E-04	
Lead and Compounds	7439-92-1	400	-	400	nc	27.000		6.75E-02	

03-39-001727

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 1 | 6.78E-02 | 1.0E-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: Krivanek Property

Sample ID: G-4-1 (3 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 (Target CR used: 1.00E-06)	Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	13.900		3.48E-02	

03-39-001727

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 3.48E-02 | 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: Krivanek Property

Sample ID: G-5-1 (3 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	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	111	1.49	1.49	ca				
Ethylbenzene	100-41-4	4220	7.47	7.47	ca				
Toluene	108-88-3	5300	-	818	Csat				
Xylenes	1330-20-7	890	-	258	Csat				
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23800	59.4	59.4	ca				
Dichloroethane, 1,2-	107-06-2	46.7	0.61	0.61	ca				
Dibromoethane, 1,2-	106-93-4	107	0.05	0.05	ca				
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc				
Trimethylbenzene, 1,3,5-	108-67-8	782	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Lead and Compounds	7439-92-1	400	-	400	nc	1.130		2.83E-03	

03-39-001727

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 2.83E-03 | 0.0E+00

[redacted]

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.

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

Abbreviations:

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

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

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

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

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

PCBs - Polychlorinated Biphenyls

Pb - Lead

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

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

Test	Original Sample Container	Preserved	Holding Time to Analysis
WET CHEMISTRY			
Alkalinity SM2320B/EPA 310.2	250 mL HDPE	4°C	14 days
Ammonia EPA 350.1	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
BOD, cBOD SM5210B	500 ml HDPE	4°C	48 hrs.
COD EPA 410.4	500 ml HDPE	4°C, pH<2 with H_2SO_4	28 days
Chloride EPA 300.0/EPA 325.2	250 mL HDPE	4°C	28 days
Cyanide SW846 9012A/SM4500-CN-C	1000 mL HDPE	4°C, pH>12 with NaOH	14 days
Flashpoint SW846 1010	250 mL HDPE	4°C	28 days
Fluoride EPA 300.0	250 mL HDPE	4°C	28 days
Hardness SW846 6010B	250 mL HDPE	4°C, pH<2 with HNO_3	180 days
TKN EPA 351.2	1 Liter HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrate EPA 300.0	250 mL HDPE	4°C	48 hours
Nitrate+Nitrite EPA 300.0	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Nitrite EPA 300.0	250 mL HDPE	4°C	48 hours
Oil & Grease EPA 1664	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Organic Carbon SW846 9060/ EPA 415.1	40 ml Glass	4°C, pH<2 with H_2SO_4 or HCL	28 days
Phenol, Total EPA 420.1	1 Liter Glass	4°C, pH<2 with H_2SO_4	28 days
Phosphorus, Total EPA 365.3	250 mL HDPE	4°C, pH<2 with H_2SO_4	28 days
Sulfate EPA 300.0	250 mL HDPE	4°C	28 days
Total Dissolved Solids EPA 160.1	250 ml HDPE	4°C	7 days
Total Solids EPA 160.3	250 ml HDPE	4°C	7 days
Total Suspended Solids EPA 160.2	250 mL HDPE	4°C	7 days
METALS			
Metals	250 mL HDPE	4°C, pH<2 with HNO_3	6 months
Mercury SW8467470/EPA 245.1	250 mL HDPE	4°C, pH<2 with HNO_3	28 days
ORGANICS			
Semivolatiles SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted .	4°C	7 days extr. 40 days following extr
PAH SW846 8270C	1 Liter amber glass, collect 2 for one of the samples submitted	4°C	7 days extr. 40 days following extr
PCB SW846 8082	1 Liter amber glass, collect 2 for one of the samples submitted.	4°C	7 days extr. 40 days following extr
DRO, Modified DNR Sep 95	1 Liter amber glass with Teflon lined cap	4°C, 5 mL 50% HCl	7 days extr. 40 days following extr
VOC'S SW846 8260B/EPA524.2	(3) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl, No Headspace	14 days
GRO/VOC	(4) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO, Modified DNR Sep 95	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
GRO/PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days
PVOC	(2) 40 mL glass vials with Teflon lined septum caps	4°C, 0.5 mL 50% HCl prior to adding sample to jar	14 days

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

SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements

TABLE 2
SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

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

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

Residential setting. Not-To-Exceed D-C RCLs from web-calculator at: *http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search* (Chicago as climatic zone). Basis: ca = cancer; nc = non-cancer; Csat = soil saturation concentration; ceiling = 10%.

------> If web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in RSL Users Guide), Not-to-Exceed D-C RCL defaults to 100,000 ppm.

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

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

Site Name:

Sample ID:

Contaminant	CAS Number	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 (Target CR Used = 1.00E-05) Flag if 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				
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	-	182	Csat				
Naphthalene	91-20-3	188	5.15	5.15	ca				
Benzo[a]pyrene	50-32-8	-	0.01	0.01	ca				
Acenaphthene	83-32-9	3440	-	3440	nc				
Anthracene	120-12-7	17200	-	17200	nc				
Benz[a]anthracene	56-55-3	-	0.15	0.15	ca				
Benzo(j)fluoranthene	205-82-3	-	0.38	0.38	ca				
Benzo[b]fluoranthene	205-99-2	-	0.15	0.15	ca				
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca				
Chrysene	218-01-9	-	14.8	14.8	ca				
Dibenz[a,h]anthracene	53-70-3	-	0.01	0.01	ca				
Dibenzo(a,e)pyrene	192-65-4	-	0.04	0.04	ca				
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0	0	ca				
Fluoranthene	206-44-0	2290	-	2290	nc				
Fluorene	86-73-7	2290	-	2290	nc				
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.15	0.15	ca				
Methylnaphthalene, 1-	90-12-0	4010	15.6	15.6	ca				
Methylnaphthalene, 2-	91-57-6	229	-	229	nc				
Nitropyrene, 4-	57835-92-4	-	0.38	0.38	ca				
Pyrene	129-00-0	1720	-	1720	nc				
Cadmium (Diet)	7440-43-9	70.2	2110	70.2	nc				
Lead and Compounds	7439-92-1	400	-	400	nc				
Test1Chem(DRO)	Wis. DRO			100					
Test2Chem(GRO)	Wis. GRO			100					

Type BRRTS No. Here (If Known)

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 | 0.00E+00 | 0.0E+00

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

Bottom-Line: Soil Data Entry Needed!

DRAFT

Residual Contaminant Levels Protective of Groundwater Quality

(Soil-to-Groundwater Scenario Results from: *http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search*)

NR140 Substance	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input the calculated site-specific DF --> 2.00	INPUT NUMERIC Site Data Max (mg/kg)	Flag E = Individual Exceedance	*Type BRRTS No. Here (If Known). Assess groundwater levels separately.*
Acetochlor	34256-82-1	-	7	5.58E-03				
Acetone	67-64-1	-	9000	1.85E+00				
Alachlor	15972-60-8	2	2	1.65E-03				
Aldicarb	116-06-3	3	10	2.49E-03				
Aluminum	7429-90-5	-	200	3.01E+02				
Antimony	7440-36-0	6	6	2.71E-01				
Anthracene	120-12-7	-	3000	9.84E+01				
Arsenic	7440-38-2	10	10	2.92E-01				
Atrazine, total chlorinated residues	1912-24-9	3	3	1.95E-03				
Barium	7440-39-3	2000	2000	8.24E+01				
Bentazon	25057-89-0	-	300	6.59E-02				
Benzene	71-43-2	5	5	2.56E-03				
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	2.35E-01				
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	2.40E-01				
Beryllium	7440-41-7	4	4	3.16E+00				
Boron	7440-42-8	-	1000	3.20E+00				
Bromodichloromethane (THM)	75-27-4	80	0.6	1.63E-04				
Bromoform (THM)	75-25-2	80	4.4	1.17E-03				
Bromomethane	74-83-9	-	10	2.53E-03				
Butylate	2008-41-5	-	400	3.88E-01				
Cadmium	7440-43-9	5	5	3.76E-01				
Carbaryl	63-25-2	-	40	3.64E-02				
Carbofuran	1563-66-2	40	40	1.56E-02				
Carbon disulfide	75-15-0	-	1000	2.97E-01				
Carbon tetrachloride	56-23-5	5	5	1.94E-03				
Chloramben	133-90-4	-	150	3.63E-02				
Chlorodifluoromethane	75-45-6	-	7000	2.89E+00				
Chloroethane	75-00-3	-	400	1.13E-01				
Chloroform (THM)	67-66-3	80	6	1.67E-03				
Chlorpyrifos	2921-88-2	-	2	2.95E-02				
Chloromethane	74-87-3	-	30	7.76E-03				
Chromium (total)	7440-47-3	100	100	1.80E+05				Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9	-	0.2	7.25E-02				
Cobalt	7440-48-4	-	40	1.81E+00				
Copper	7440-50-8	1300	1300	4.58E+01				
Cyanazine	21725-46-2	-	1	4.68E-04				
Cyanide, free	57-12-5	200	200	2.02E+00				
Dacthal (DCPA)	1861-32-1	-	70	8.56E-02				
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05				
Dibromochloromethane (THM)	124-48-1	80	60	1.60E-02				
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	0.2	8.64E-05				
Dibutyl phthalate	84-74-2	-	1000	2.52E+00				
Dicamba	1918-00-9	-	300	7.76E-02				
1,2-Dichlorobenzene	95-50-1	600	600	5.84E-01				
1,3-Dichlorobenzene	541-73-1	-	600	5.76E-01				
1,4-Dichlorobenzene	106-46-7	75	75	7.20E-02				
Dichlorodifluoromethane	75-71-8	-	1000	1.54E+00				
1,1-Dichloroethane	75-34-3	-	850	2.42E-01				
1,2-Dichloroethane	107-06-2	5	5	1.42E-03				
1,1-Dichloroethylene	75-35-4	7	7	2.51E-03				
1,2-Dichloroethylene (cis)	156-59-2	70	70	2.06E-02				
1,2-Dichloroethylene (trans)	156-60-5	100	100	2.94E-02				
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	70	1.81E-02				
1,2-Dichloropropane	78-87-5	5	5	1.66E-03				
1,3-Dichloropropene (cis/trans) (Telone)	542-75-6	-	0.4	1.43E-04				
Di (2-ethylhexyl) phthalate	117-81-7	6	6	1.44E+00				
Dimethoate	60-51-5	-	2	4.51E-04				
2,4-Dinitrotoluene	121-14-2	-	0.05	6.76E-05				
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05				
Dinitrotoluene, Total Residues	25321-14-6	-	0.05	6.89E-05				
Dinoseb	88-85-7	7	7	6.15E-02				
1,4-Dioxane (p-dioxane)	123-91-1	-	3	6.18E-04				
Dioxin (2,3,7,8-TCDD)	1746-01-6	0	0	1.50E-05				
Endrin	72-20-8	2	2	8.08E-02				
EPTC	759-94-4	-	250	1.32E-01				

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

Only use DAF=2 (or site-specific DAF) RCL after clearly defining gw plume. RCL < 0.0001 ppm is in "E" notation.

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			
2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol	93-72-1	50	50	2.75E-02			
1,2,3-Trichloropropane	96-18-4	-	60	2.60E-02			
Trifluralin	1582-09-8	-	7.5	2.48E-01			
Trimethylbenzenes (1,2,4- and 1,2,3- combined)	95-63-6 / 108-67-8	-	480	6.90E-01			
Vanadium	7440-62-2						
Vinyl chloride	75-01-4	2	0.2	6.90E-05			
Xylenes (m-, o-, p- combined)	1330-20-7	10000	2000	1.97E+00			

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

No RSL result for: Asbestos; Bacteria; 1,3-DCB; Hydrogen Sulfide; Nitrate/Nitrite; Tetrahydrofuran; Perchlorate.

Only use DAF=2 (or site-specific DAF) RCL after clearly defining gw plume. RCL < 0.0001 ppm is in "E" notation.

Site-specific

Resident Equation Inputs for Soil

Variable	Value
TR (target cancer risk) unitless	1.0E-6
ED_r (exposure duration - resident) year	30
ET_{rs} (exposure time - resident) hour	24
ED_c (exposure duration - child) year	6
ED_a (exposure duration - adult) year	24
BW_a (body weight - adult) kg	70
BW_c (body weight - child) kg	15
SA_a (skin surface area - adult) cm^2/day	5700
SA_c (skin surface area - child) cm^2/day	2800
THQ (target hazard quotient) unitless	1
LT (lifetime - resident) year	70
EF_r (exposure frequency) day/year	350
IRS_a (soil intake rate - adult) mg/day	100
IRS_c (soil intake rate - child) mg/day	200
AF_a (skin adherence factor - adult) mg/cm^2	0.07
AF_c (skin adherence factor - child) mg/cm^2	0.2
IFS_{adj} (age-adjusted soil ingestion factor) mg-year/kg-day	114
DFS_{adj} (age-adjusted soil dermal factor) mg-year/kg-day	361
$IFSM_{adj}$ (mutagenic age-adjusted soil ingestion factor) mg-year/kg-day	489.5
$DFSM_{adj}$ (mutagenic age-adjusted soil dermal factor) mg-year/kg-day	1445
ED_{0-2} (exposure duration first phase) year	2
ED_{2-6} (exposure duration second phase) year	4
ED_{6-16} (exposure duration third phase) year	10
ED_{16-30} (exposure duration fourth phase) year	14
City (Climate Zone) PEF Selection	Chicago, IL (7)
A_s (acres) PEF Selection	0.5
Q/C_{wp} (g/m^2-s per kg/m^3) PEF Selection	98.43071
PEF (particulate emission factor) m^3/kg	1560521108
A (PEF Dispersion Constant)	16.8653

Site-specific

Resident Equation Inputs for Soil

Variable	Value
B (PEF Dispersion Constant)	18.7848
C (PEF Dispersion Constant)	215.0624
V (fraction of vegetative cover) unitless	0.5
U_m (mean annual wind speed) m/s	4.65
U_t (equivalent threshold value)	11.32
F(x) (function dependant on U_m/U_t) unitless	0.182
City (Climate Zone) VF Selection	Chicago, IL (7)
A_s (acres) VF Selection	0.5
Q/C_{wp} (g/m^2-s per kg/m^3) VF Selection	98.43071
foc (fraction organic carbon in soil) g/g	0.006
ρ$_b$ (dry soil bulk density) g/cm^3	1.5
ρ$_s$ (soil particle density) g/cm^3	2.65
θ$_w$ (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	9.5e8
A (VF Dispersion Constant)	16.8653
B (VF Dispersion Constant)	18.7848
C (VF Dispersion Constant)	215.0624

Site-specific

Resident Screening Levels (RSL) for Soil

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

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day)$^{-1}$	SFO Ref	Inhalation Unit Risk (ug/m^3)$^{-1}$	IUR Ref	Chronic RfD (mg/kg-day)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1	-	1
Cadmium (Diet)	7440-43-9	No	No	-		1.80E-03	I	1.00E-03	I	1.00E-05	A	0.025	0.001	1
Carbon Tetrachloride	56-23-5	No	Yes	7.00E-02	I	6.00E-06	I	4.00E-03	I	1.00E-01	I	1	-	1
Dibromoethane, 1,2-	106-93-4	No	Yes	2.00E+00	I	6.00E-04	I	9.00E-03	I	9.00E-03	I	1	-	1
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1	-	1
Dichloroethylene, 1,1-	75-35-4	No	Yes	-		-		5.00E-02	I	2.00E-01	I	1	-	1
Dichloroethylene, 1,2-cis-	156-59-2	No	Yes	-		-		2.00E-03	I	-		1	-	1
Dichloroethylene, 1,2-trans-	156-60-5	No	Yes	-		-		2.00E-02	I	6.00E-02	P	1	-	1
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1	-	1
Lead and Compounds	7439-92-1	No	No	-		-		-		-		1	-	1
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	1.80E-03	C	2.60E-07	C	-		3.00E+00	I	1	-	1
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-		1	0.13	1
Anthracene	120-12-7	No	Yes	-		-		3.00E-01	I	-		1	0.13	1
Benz[a]anthracene	56-55-3	Yes	No	7.30E-01	W	1.10E-04	C	-		-		1	0.13	1
Benzo(j)fluoranthene	205-82-3	No	No	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

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)
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(j)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,e)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

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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 SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Benzene	1.11E+02	2.92E+03	-	1.72E+02	1.62E+02	1.49E+00 ca*
Cadmium (Diet)	7.00E+01	7.30E+02	4.57E+03	1.63E+04	6.06E+02	7.00E+01 nc
Carbon Tetrachloride	1.37E+02	2.92E+03	-	2.42E+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
Methyl tert-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()fluoranthene	-	-	-	-	-	3.78E-01 ca
Benzo[a]pyrene	-	-	-	-	-	1.48E-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	-	-	-	-	-	1.48E-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	1.50E+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*

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Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF $(mg/kg\text{-}day)^{-1}$	SFO Ref	Inhalation Unit Risk $(ug/m^3)^{-1}$	IUR Ref	Chronic RfD (mg/kg-day)	RfD Ref	Chronic RfC (mg/m^3)	RfC Ref	GIABS	ABS	RBA
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

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

Chemical	Volatilization Factor (m^3/kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m^3/kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child HQ=1 (mg/kg)	Dermal SL Child HQ=1 (mg/kg)	Inhalation SL Child HQ=1 (mg/kg)
Nitropyrene, 4-	-	-	1.56E+09	5.34E-01	1.30E+00	3.45E+04	3.78E-01	-	-	-
Pyrene	3.70E+06	-	1.56E+09	-	-	-	-	2.35E+03	6.45E+03	-
Tetrachloroethylene	3.65E+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

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

Chemical	Noncarcinogenic SL Child HI=1 (mg/kg)	Ingestion SL Adult HQ=1 (mg/kg)	Dermal SL Adult HQ=1 (mg/kg)	Inhalation SL Adult HQ=1 (mg/kg)	Noncarcinogenic SL Adult HI=1 (mg/kg)	Screening Level (mg/kg)
Nitropyrene, 4-	-	-	-	-	-	3.78E-01 ca
Pyrene	1.72E+03	2.19E+04	4.22E+04	-	1.44E+04	1.72E+03 nc
Tetrachloroethylene	1.15E+02	4.38E+03	-	1.52E+02	1.47E+02	3.07E+01 ca**
Toluene	5.30E+03	5.84E+04	-	3.47E+04	2.18E+04	5.30E+03 sat
Trichloroethane, 1,1,1-	1.23E+04	1.46E+06	-	1.34E+04	1.32E+04	1.23E+04 sat
Trichloroethylene	6.05E+00	3.65E+02	-	7.16E+00	7.02E+00	6.44E-01 ca**
Trimethylbenzene, 1,2,4-	8.98E+01	-	-	8.98E+01	8.98E+01	8.98E+01 nc
Trimethylbenzene, 1,3,5-	7.82E+02	7.30E+03	-	-	7.30E+03	7.82E+02 sat
Vinyl Chloride	9.33E+01	2.19E+03	-	1.55E+02	1.45E+02	6.71E-02 * ca
Xylenes	8.90E+02	1.46E+05	-	9.44E+02	9.37E+02	8.90E+02 sat

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

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; cr. (1m), am. (7), (17) and (18), Register, October, 1988, No. 394, eff. 11–1–88; am. (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4–1–94; cr. (1s), (10e), (10s), (20k), r. and recr. (12), (13), Register, August, 1995, No. 476, eff. 9–1–95; cr. (14m), Register, October, 1996, No. 490, eff. 11–1–96; am. (20), Register, December, 1998, No. 516, eff. 1–1–99; correction in (9) made under s. 13.93 (2m) (b) 7., Stats., Register, April, 2001, No. 544; CR 02–134: cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7–1–03.

Subchapter II — Groundwater Quality Standards

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

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

Table 1
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

Table 1 – Continued
Public Health Groundwater Quality Standards

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

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

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

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

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

[5] Dinitrotoluene, Total Residues includes the dinitrotoluene (DNT) isomers: 2,3–DNT, 2,4–DNT, 2,5–DNT, 2,6–DNT, 3,4–DNT and 3,5–DNT.

[6] Xylene includes meta–, ortho–, and para–xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am. table 1, Register, October, 1988, No. 394, eff. 11–1–88; am. table 1, Register, September, 1990, No. 417, eff. 10–1–90; am. Register, January, 1992, No. 433, eff. 2–1–92; am. Table 1, Register, March, 1994, No. 459, eff. 4–1–94; am. Table 1, Register, August, 1995, No. 476, eff. 9–1–95; am. Table 1, Register, December, 1998, No. 516, eff. 1–1–99; am. Table 1, boron, Register, December, 1998, No. 516, eff. 12–31–99; am. Table 1, Register, March, 2000, No. 531, eff. 4–1–00; CR 03–063: am Table 1, Register February 2004 No. 578, eff. 3–1–04; CR 02–095: am. Table 1, Register November 2006 No. 611, eff. 12–1–06; reprinted to correct errors in Table 1, Register January 2007 No. 613; CR 07–034: am. Table 1 Register January 2008 No. 625, eff. 2–1–08; CR 09–102: am. Table 1 Register December 2010 No. 660, eff. 1–1–11.

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

Table 2
Public Welfare Groundwater Quality Standards

Substance	Enforcement Standard (milligrams per liter – except as noted)	Preventive Action Limit (milligrams per liter – except as noted)
Chloride	250	125
Color	15 color units	7.5 color units
Foaming agents MBAS (Methylene–Blue Active Substances)	0.5	0.25
Iron	0.3	0.15
Manganese	0.05	0.025
Odor	3 (Threshold Odor No.)	1.5 (Threshold Odor No.)
Sulfate	250	125
Zinc	5	2.5

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am. table 2, Register, October, 1990, No. 418, eff. 11–1–90; am. Table 2, Register, March, 1994, No. 459, eff. 4–1–94.

NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:

(a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropriate regulatory agency that a standard has been attained or exceeded; and

(b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level of 0.05.

(2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests.

(3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:

(a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.

(b) If the preventive action limit or enforcement standard is less than the limit of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:

1. The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and

2. The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.

(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or

APPENDIX F/ QUALIFICATIONS OF METCO PERSONNEL

Ronald J. Anderson, P.G.

Professional Titles

- Senior Hydrogeologist
- Project Manager

Credentials

- Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- Certified by State of Wisconsin/DSPS to conduct PECFA-funded LUST projects
- Certified tank closure site assessor (#41861) in Wisconsin
- Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- Member of the Federation of Environmental Technologist, Inc.
- Member of the Wisconsin Fabricare Institute

Education

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, and Environmental Conservation

Post-Graduate Education

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 700 environmental sites.

Jason T. Powell

Professional Title

- Staff Scientist

Credentials

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

Education

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

Post-Graduate Education

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

Work Experience

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

Eric J. Dahl

Professional Title

- Hydrogeologist

Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#823519).
- Member of the Geological Society of America

Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

Post-Graduate Education

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

Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), geoprobe operation, and operation and maintenance of remedial systems.

Thomas P. Pignet, P.E.

Professional Titles

- Chemical Engineer
- Industrial Engineer

Credentials

- Licensed Professional Engineer in Wisconsin

Education

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

Post-Graduate Education

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

Work Experience

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

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.

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.

APPENDIX G/ STANDARD OF CARE

STANDARD OF CARE

The analysis and conclusions expressed in this report are based upon data obtained from the indicated subsurface locations and from other sources discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"I Jason T. Powell, hereby certify that I am a scientist as that term is defined in s.NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Jason T. Powell
Staff Scientist

1/21/14
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

1/23/14
Date