Limited Site Investigation

Lot 2 of Proposed CSM
Part of 3802 Packers Avenue and 1902 Tennyson Lane
Madison, Dane County, Wisconsin

September 13, 2013
Terracon Project No. 58137074

Prepared for:

Keller Development, LLC
Madison, Wisconsin

Prepared by:

Terracon Consultants, Inc.
Franklin, Wisconsin

September 13, 2013

Terracon

Mr. Thomas Keller
Keller Development, LLC
448 West Washington Avenue
Madison, Wisconsin

Re: **Limited Site Investigation**
Lot 2 of Proposed CSM
Part of 3802 Packers Avenue and 1902 Tennyson Lane
Madison, Dane County, Wisconsin
Project No. 58137074

Dear Mr. Keller:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Limited Site Investigation (LSI) report for the above-referenced site. The data was collected generally as proposed in Terracon's Proposal No. P58130321 dated September 4, 2013.

We appreciate the opportunity to perform these services. Please contact Terracon at (414) 423-0255 if you have questions regarding the information provided in the report.

Sincerely,

Terracon

Nicholas J. Heim
Staff Geologist

Blaine R. Schroyer, P. E.
Principal/Office Manager

Enclosure

NJH/TPW/BRS:njh/N:\Projects\2013\58137074\PROJECT DOCUMENTS (Reports-Letters-Drafts to Clients)\Keller Lot 2 Final LSI 58137074.docx

APPENDICES

LIMITED SITE INVESTIGATION
LOT 2 OF PROPOSED CSM
PART OF 3802 PACKERS AVENUE AND 1902 TENNYSON LANE
MADISON, DANE COUNTY, WISCONSIN
TERRACON PROJECT NO. 58137074
SEPTEMBER 13, 2013

1.0 INTRODUCTION

Keller Development, LLC (Keller) retained Terracon Consultants, Inc. (Terracon) to perform a Limited Site Investigation (LSI) on Lot 2 of the proposed certified survey map (CSM) at the property located at 3802 Packers Avenue and 1902 Tennyson Lane in Madison, Wisconsin (site). The LSI was initiated to determine whether historical operations performed at the site, in addition to potential releases from off-site/adjoining properties identified during the Phase I Environmental Site Assessment (ESA), have adversely affected soil or groundwater quality at the site.

1.1 Site Description

The site is part of two larger parent parcels located at 3802 Packers Avenue and 1902 Tennyson Lane and includes approximately 8.0 acres of land that is improved with an approximately 3,200 square-foot building (slab-on-grade) that was constructed in 1963. The building is currently vacant and has a concrete floor. However, portions of the floor are in poor condition with an earth surface exposed. The remainder of the site consists of grass-covered land with a small wooded area in the northwestern portion of the site. A topographic map is included as Exhibit 1, Appendix A, and a site diagram is included as Exhibit 2, Appendix A.

1.2 Background Information

Terracon completed a Phase I ESA dated August 6, 2013 (Project No. 58137831). As documented in the Phase I ESA, the site is part of two larger parent parcels located at 1902 Tennyson Lane and 3802 Packers Avenue in Madison, Dane County, Wisconsin.

Based on a review of the historical information, the site consisted of vacant agricultural land until roads and multiple small chicken coops were constructed on the site sometime between 1949 and 1955. A larger structure was constructed on the site in approximately 1963. The roads and chicken coops were removed sometime between 1986 and 1993, and the site consisted mainly of vacant land with the larger structure in the western portion of the site from 1993 through present times. The facility adjoining the site to the west was historically occupied by scientific laboratories, a manufacturing business, auto repair business, and various other commercial businesses. The remaining areas adjoining the site appear to have included agricultural land, vacant land, and residences.

In 2005, a Phase I ESA was conducted of the parent parcels for the site. Numerous recognized environmental conditions (RECs) were identified. The identified RECs included animal burial areas on the 3802 Packers Avenue parcel in the northern portion of the subject site. Later in 2005, a Phase II ESA was conducted and several soil samples were reported to contain target analytes above their respective cleanup standards. A soil sample from a boring approximately 50 feet west of the site reportedly contained diesel range organics and lead above their respective residual contaminant levels (RCLs). No groundwater sampling was conducted. Based on the Phase II ESA, the consultant recommended additional investigation; however, it appears that additional investigation was not conducted.

The adjoining property to the west is topographically up-gradient of the site. Based on the identified contamination located near the site, the lack of groundwater sampling, and since the extent of contamination has not been delineated, the potential exists that the subject site was impacted by the releases at the adjoining property to the west. Based on the Phase I ESA, Terracon identified the following RECs:

- A leaking underground storage tank (LUST) case file for both parent parcels (1902 Tennyson Lane and 3802 Packers Avenue) was opened on July 24, 2009 due to a reported release. The LUST case file remains open. It does not appear that the tanks related to the LUST case file were located on the subject site. However, since the case file applies broadly to both parent parcels, the open LUST case file is considered a REC until it is closed or the WDNR clarifies that the subject site (Lot 2 of proposed CSM) does not appear to warrant additional investigation and can be excluded from the lands considered part of the case file.

In addition, the following off-site REC was identified:

- Based on a review of a prior Phase II ESA report for the parent parcels (including part of the subject site), several contaminants were detected in the soil. It does not appear that the extent of contamination has been delineated. Given the topographically up-gradient position of the release at the adjoining property relative to the site, the historical spills/releases at this property could impact the site.

1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal.

1.4 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this investigation. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.5 Reliance

This report is prepared for the exclusive use and reliance of Keller Development, LLC. Use or reliance by any other party is prohibited without the written authorization of Keller Development, LLC and Terracon.

Reliance on this report by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

2.0 FIELD ACTIVITIES

2.1 Soil Sampling

Terracon's field activities were conducted on September 5, 2013. As part of the approved scope of services, six direct-push soil borings (P-1 through P-6) were advanced to depths ranging from approximately 11 feet below ground surface (bgs) to 15 feet bgs at the approximate locations depicted on Exhibit 2, Appendix A.

Drilling services were performed using a direct-push sampling rig under the oversight of Terracon personnel. Soil samples were collected continuously using a 4-foot long, 2-inch diameter core barrel sampler that was equipped with disposable acetate liners. Boring equipment was decontaminated between uses at each boring location using a high pressure washer. The soil type and characteristics were logged and discrete samples were collected at 2-foot intervals at each direct-push boring. Soil samples were screened on site using a photoionization detector (PID) (Thermo Environmental Instruments Model 580B OVM) to detect

the presence of volatile organic compounds (VOC). The PID was calibrated according to the manufacturer's instructions using isobutylene gas at a concentration of 100 parts per million volume (ppmv) prior to beginning the assessment.

Soil borings P-1 through P-4 were advanced along the western property boundary to identify if an off-site release has migrated onto the site. Soil boring P-5 was advanced south (topographically down-gradient) of the vacant, on-site building, to identify if a release has occurred from the potential use of hazardous substances/petroleum products in the building. Soil boring P-6 was advanced north of the vacant building, near an area of historical unidentifiable activity identified from aerial photographs.

In general, the surface was composed of six inches to one foot of topsoil. Silty/sandy clay was encountered to depths extending to 8 feet bgs. Underlying soils consisted of medium grained sand with some gravel to the boring terminus. Refusal, presumed to be bedrock, occurred in all borings at depths ranging from 11 to 15 feet bgs The detailed soil descriptions and PID readings are presented on the soil boring logs included in Appendix B. Select photographs are included in Appendix C.

In accordance with the proposed scope of services, one soil sample from each boring was selected for laboratory analysis from the upper four feet, and a second sample was collected from below four feet bgs. Since PID readings were not elevated in any of the borings, the shallow soil samples from borings P-1, and P-3 through P-6 were collected from 3 foot bgs. Based upon visual discoloration of the soil, the shallow soil sample in P-2 was collected from 2 feet bgs. The deeper soil samples from boring P-1 through P-6 were collected from the boring terminus, based upon refusal sample depths ranged from 11 feet to 15 feet bgs. The soil samples were submitted for laboratory analysis of VOCs by Environmental Protection Agency (EPA) Method 8260B, lead by Environmental Protection Agency (EPA) Method 6010, and diesel range organics (DRO) by Wisconsin Modified DRO. Samples collected for potential polycyclic aromatic hydrocarbons (PAHs) analysis were not analyzed because DRO concentrations did not exceed 100 milligrams per kilogram (mg/kg).

Soil samples were placed in laboratory-supplied containers, the containers were placed in an ice chest to cool to approximately four degrees Celsius (4°C), and the containers were transported under chain-of-custody protocol to a Wisconsin-certified laboratory.

2.2 Groundwater Sampling

On September 5, 2013, temporary groundwater monitoring wells were constructed within soil borings P-1 through P-6. The temporary groundwater monitoring wells were constructed with a 5-foot long, No. 10-slot, 3/4-inch diameter polyvinyl chloride (PVC) well screen with a 3/4-inch diameter riser pipe that extended above the ground surface. Temporary groundwater monitoring wells P-2, P-4, and P-5 were screened from 12 feet bgs to 7 feet bgs. Temporary groundwater

monitoring well P-1 was screened from 15 feet bgs to 10 feet bgs. Temporary groundwater monitoring well P-3 was screened from 10 feet bgs to 5 feet bgs, and temporary groundwater monitoring well P-6 was screened from 14 feet bgs to 9 feet bgs. The temporary groundwater monitoring wells did not immediately produce water.

During temporary groundwater monitoring well installation, Terracon did not encounter any saturated soils indicative of the soil/groundwater interface. Groundwater was not present in the temporary groundwater monitoring wells on September 6, 2013; therefore, Terracon removed the PVC screen and riser pipe, and the borings were abandoned in accordance with NR 141, WAC. The abandonment forms are included in Appendix B.

3.0 ANALYTICAL RESULTS AND DISCUSSION

3.1 Soil Analytical Data

The WDNR has established guidance for the calculation of soil residual contaminant levels (RCLs) for direct-contact exposure and the protection of groundwater. The guidance document, *Soil Residual Contaminant Level Determinations using the US EPA Regional Screening Level Web Calculator*, PUB-RR-890, dated June 2013 was used to establish RCLs for this site. DRO concentrations were compared to its NR 720.09, WAC, generic RCL of 100 mg/kg.

DRO was not detected in the soil samples. Lead was detected at concentrations ranging from 2.5 to 12.8 mg/kg within the shallow and deep soil samples collected from each of the borings. The lead concentrations are indicative of natural/background levels for the region and are below both its non-industrial, direct-contact and soil to groundwater pathway RCLs.

Methylene chloride was the only VOC detected at concentrations above the analytical method detection limit. Methylene chloride was detected in three of the twelve soil samples (P-1 (3'), P-2 (2'), and P-4 (12')) at concentrations ranging from 31.1 to 38.9 micrograms per kilogram (ug/kg). The methylene chloride concentrations are below its non-industrial, direct contact RCL; however, the concentrations exceed its soil to groundwater pathway RCL. Although it was not reported to be present in the method blank, methylene chloride is a common laboratory contaminant and is likely not actually present in the soil at the site.

A summary of the detected VOCs and lead are presented on Table 1, Appendix D. The laboratory report and the chain of custody form are included in Appendix E.

4.0 SUMMARY AND RECOMMENDATIONS

The objective of the LSI was to investigate whether historical site operations, in addition to potential releases from off-site/adjoining properties identified during the Phase I ESA have adversely affected soil and groundwater quality at the site. Based on the LSI results, the

concentrations of lead in the soil are within the range of typical, naturally occurring background concentrations. Methylene chloride is a common lab contaminant; therefore, Terracon contacted Pace Analytical regarding the methylene chloride detections. The laboratory supervisor informed Terracon that although the methylene chloride concentrations observed in the batch testing did not meet the laboratory requirements to be flagged, the reported concentrations are likely a lab artifact. There were no known sources of methylene chloride identified by the Phase I ESA. In addition, methylene chloride was not identified in the Phase II ESA conducted on the adjoining site to the west. Therefore, Terracon does not believe the methylene chloride is actually present in the soil at the site.

Terracon recommends reporting these results to WDNR using the Notification for Hazardous Substance Discharge (Non-Emergency Only) form 4400-225. Reporting these detections is required per Section 292.11, Wis. Stats, which is also known as the “Spills Law”. The statute requires that a person who possesses or controls a hazardous substance, which is discharged or who causes the discharge of a hazardous substance, shall notify the department immediately of any discharge not exempted by law. Assuming the WDNR agrees that the methylene chloride detections in soil are a result of laboratory contamination and the lead is naturally occurring, it is likely that the WDNR will consider the impacts and classify the site as a No Action Required (NAR) case.

Terracon will prepare a Technical Assistance and Environmental Liability Clarification Request form 4400-237, a letter explaining what is being requested, the technical review fee, and this LSI report for submittal to the WDNR under separate cover. If WDNR agrees, they will issue a liability clarification letter documenting that the site has been classified as a NAR case. If they do not agree, they may require additional investigation and/or remediation actions.

5.0 GENERAL COMMENTS

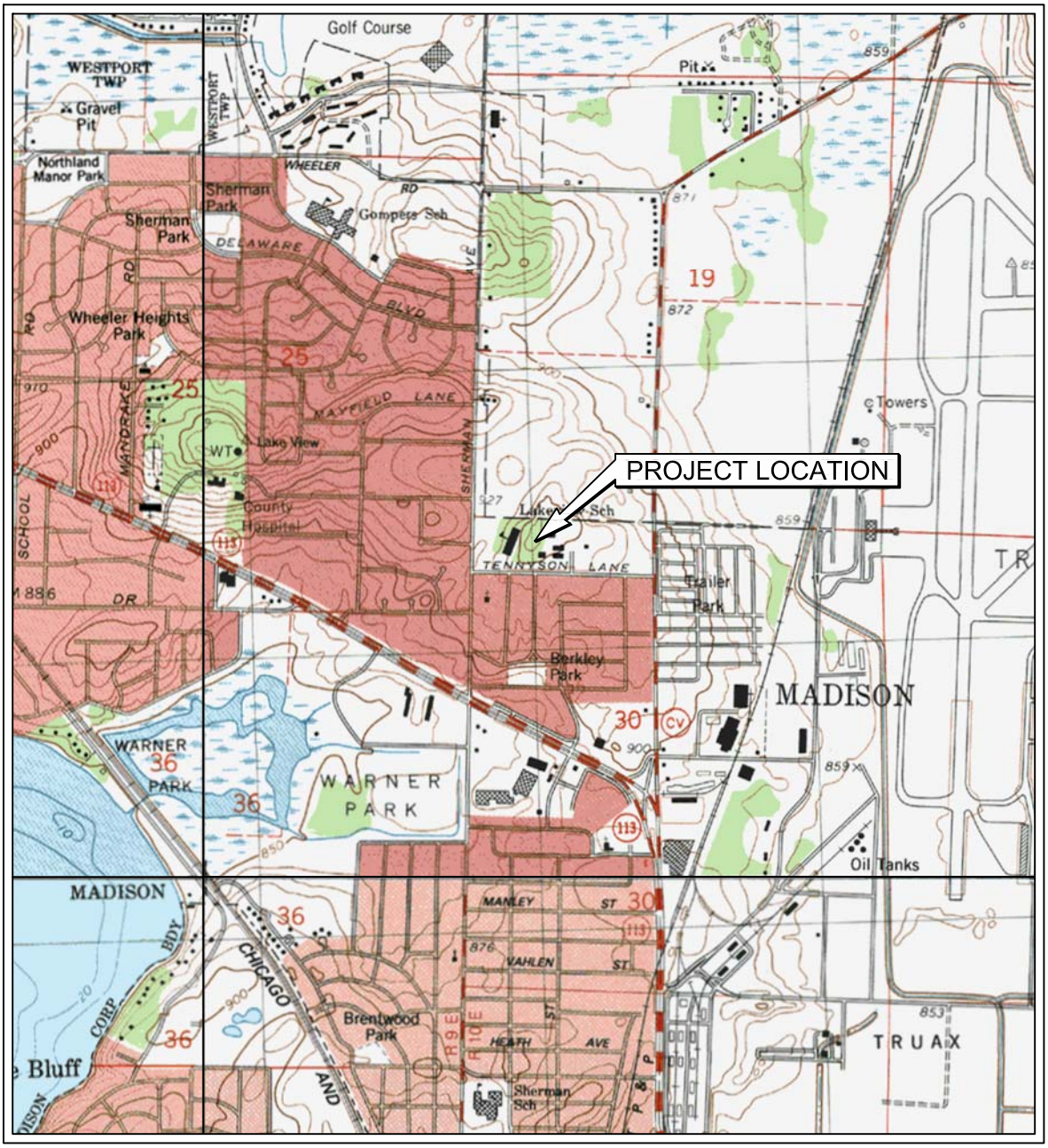
The analysis and opinions expressed in this report are based upon data obtained during this investigation and laboratory chemical analyses at the indicated locations discussed in this report. This report does not reflect variations in subsurface stratigraphy, hydrogeology, and contaminant distribution that may occur across the site. Actual subsurface conditions may vary and may not become evident without further investigation.

This report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon.

Appendix A

Exhibits

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DE FOREST QUADRANGLE
WISCONSIN - DANE COUNTY
1983
7.5 MINUTE SERIES (TOPOGRAPHIC)

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	AGC
Drawn By:	AGC
Checked By:	AGC
Approved By:	DGJ

Project No.	58137832
Scale:	AS SHOWN
File No.	58137832 SL
Date:	8/7/13

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

TOPOGRAPHIC MAP

DEDICATED AREA BETWEEN LOT 3 AND LOT 4 OF PROPOSED CSM

PART OF 1902 TENNYSON LANE

MADISON WISCONSIN

EXHIBIT

1

Project Mngr:	TPW
Drawn By:	AGC
Checked By:	TPW
Approved By:	TPW

Project No.	58137074
Scale:	AS SHOWN
File No.	58137074 SD
Date:	9/12/13

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

SITE DIAGRAM

LOT 2 OF PROPOSED CERTIFIED SURVEY MAP
PART OF 3802 PACKERS AVENUE AND 1902 TENNYSON LANE
MADISON WISCONSIN

EXHIBIT

(AERIAL)

Appendix B

Photographs

1) Facing west depicting the location of boring P-1

2) Facing west depicting the location of boring P-2.

3) Facing north depicting the location of boring P-3.

4) Facing west depicting the location of P-4.

3) Facing north depicting the location of boring P-5.

4) Facing southeast depicting the location of P-6.

Appendix C

Soil Boring Logs and Abandonment Forms

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 ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E

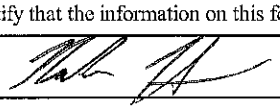
Lat 43° 8' 8.3"
Long 89° 21' 30.0"

Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 PP	48 36		0-4	Topsoil: Black, organics, trace gravel Gravel: poorly graded Sandy Clay: brown, some gravel, moist	CL-ML			<1						*Sample submitted for testing
2 PP	48 36		4-8	Sand: brown, medium grained, well graded, some gravel, moist				<1						
3 PP	48 40		8-12		SW			<1						
4 PP	48 36		12-15					<1						
			15	EOB @ 15.0' BGS (Refusal)										*Sample submitted for testing

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

Signature  Firm Terracon Tel: Fax:

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 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 ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E
Lat 43° 8' 8.3" Long 89° 21' 30.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 PP	48 48		1	Topsoil: Black, organics, trace gravel										
			2	Silty Clay: brown, stiff, dry	CL			<1						*Sample submitted for testing
			3											
2 PP	48 48		4	Silty Clay: brown, soft, some sand, trace gravel				<1						
			5		CL									
			6					<1						
			7	Sand: brown, medium grained, well graded, some gravel, moist	SW									
			8	Silty Clay: brown, soft, some sand, trace gravel	CL			<1						
3 PP	48 48		9	Sand: brown, medium grained, well graded, some gravel, moist										
			10		SW			<1						
			11											
			12	EOB @ 12.0' BGS (Refusal)										*Sample submitted for testing

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

Signature Firm Terracon Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E

Lat 43° 8' 8.3"
Long 89° 21' 30.0"

Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 PP	48 48		1	Topsoil: Black, organics, trace gravel										
				Sand: Tan, coarse grained	SW									
			2	Silty Clay: brown to black, stiff, some sand, trace gravel				<1						
			3											*Sample submitted for testing
			4		CL									
2 PP	48 48		5					<1						
			6											
				Sandy Clay: brown to tan, some gravel, moist				<1						
			7		SC/CL									
			8											
3 PP	48 24			Sand: brown, medium grained, well graded, some gravel, moist				<1						
			9		SW									
			10					<1						*Sample submitted for testing
			11											
				EOB @ 11.0' BGS (Refusal)										

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

Signature Firm Terracon Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E

Lat 43° 8' 8.3"
Long 89° 21' 30.0"

Local Grid Location
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 PP	48 36		1	Topsoil: Black, organics, trace gravel										
			2	Silty Clay: brown to black, stiff, some sand, trace gravel	CL			<1						
			3											*Sample submitted for testing
2 PP	48 36		4	Sand: brown, medium grained, well graded, moist				<1						
			5											
			6					<1						
			7	...gravel										
3 PP	48 36		8		SW			<1						
			9											
			10					<1						
			11											
			12	EOB @ 12.0' BGS (Refusal)										*Sample submitted for testing

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

Signature [signature] Firm Terracon Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E
Lat 43° 8' 8.3" Long 89° 21' 30.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48		1	Topsoil: Black, organics, trace gravel										
PP	48		2	Silty Clay: brown to black, stiff, dry	CL			<1						*Sample submitted for testing
			3											
			4	Sand: brown, medium grained, well graded, some gravel, moist										
2	48		5					<1						
PP	36		6											
			7					<1						
			8											
3	48		9		SW			<1						
PP	36		10											
			11					<1						
			12											
4	48		13					<1						
PP	36		14											
			15											
				EOB @ 15.0' BGS (Refusal)										*Sample submitted for testing

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

Signature Firm Terracon Tel: Fax:

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 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 ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Keller Property Lot 2		P-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Probe Technologies Inc.	9/5/2013	9/5/2013	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 30, T 8 N, R 10 E
Lat 43° 8' 8.3" Long 89° 21' 30.0"
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Madison

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 PP	48 48		1	Topsoil: Black, organics, trace gravel										
			2	Silty Clay: brown to tan, soft, some sand	CL			<1						
			3	...moist										*Sample submitted for testing
2 PP	48 40		4	Sandy Clay: brown to tan, soft, some gravel, moist				<1						
			5		SC/CL									
			6					<1						
			7											
			8	...orange staining										
3 PP	48 36		9	Sand: brown, medium grained, well graded, some gravel, moist				<1						
			10					<1						
			11		SW									
4 PP	48 24		12					<1						
			13	...gravel										
			14	EOB @ 14.0' BGS (Refusal)				<1						*Sample submitted for testing

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

Signature	Firm	Tel:
	Terracon	Fax:

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

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-1

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane		

Lattitude / Longitude (Degrees and Minutes) | Method Code (see instructions)
43 · 08 · 8.30 'N
89 · 21 · 30.0 'W

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Parkwood Ave and 1902 Tennyson Ln

Well City, Village or Town	Well ZIP Code
Madison	

Subdivision Name	Lot #

Reason For Removal From Service | WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner
Present Well Owner
Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15.0	2.0

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Borseholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bar Gold Bentonite Chips	Surface	15.0	.5 bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route	Telephone Number
9850 S. 57th Street	(414) 423 0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132		9/9/13

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-2

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane		

Latitude / Longitude (Degrees and Minutes): 43 · 08 · 8.30 'N / 89 · 21 · 30.0 'W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Packland Dr and 1902 Terrysmith

Well City, Village or Town	Well ZIP Code
Madison	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12.0	2.0

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
5/8" Pure Gold Bentonite Chips			
Surface	12.0	.35 bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route	Telephone Number
9850 S. 57th Street	(414) 423 0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132		9/9/13

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-3

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane		

Latitude / Longitude (Degrees and Minutes) 43 · 08 · 8.30 'N / 89 · 21 · 30.0 'W
Method Code (see instructions)

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Packerland Ave and 4402 Tennyson Ln

Well City, Village or Town	Well ZIP Code
Madison	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	2.0

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	10.0	.30 bags	

3/8" Rm Gold Bentonite Chips

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route	Telephone Number
9850 S. 57th Street	(414) 423 0255

City	State	ZIP Code
Franklin	WI	53132

Signature of Person Doing Work:

Date Signed: 9/9/13

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-4

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane		

Lattitude / Longitude (Degrees and Minutes) | Method Code (see instructions)
43 ° 08 . 8.30 'N
89 ° 21 . 30.0 'W

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Packerland Dr and 1902 Tennyson Ln

Well City, Village or Town: Madison | Well ZIP Code:

Subdivision Name: | Lot #:

Reason For Removal From Service: | WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12.0	2.0

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12.0	.35 bags	

5/8" Pure Gold Bentonite Chips

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route	Telephone Number
9855 S. 57th Street	(414) 425 0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132		9/9/13

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-5

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane	_ _ _ _ _ _	

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)
43 · 08 · 8.30 'N
89 · 21 · 30.0 'W

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Packerland Dr and 1902 Tennyson Ln

Well City, Village or Town: Madison | Well ZIP Code:

Subdivision Name: | Lot #:

Reason For Removal From Service | WI Unique Well # of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
12.0	2.0

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
5/8" Rm Gold Bentonite Chips			
Surface	12.0	.35 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route: 9850 S. 57th Street | Telephone Number: (414) 423 0255

City: Franklin | State: WI | ZIP Code: 53132

Signature of Person Doing Work: [signature] | Date Signed: 9/9/13

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

P-6

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dane		

Latitude / Longitude (Degrees and Minutes): 43 ° 08 . 8.30 'N / 89 ° 21 . 30.0 'W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	NW	30	8 N	10 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Part of 3802 Packerland Dr and 1902 Terrysmith

Well City, Village or Town: Madison
Well ZIP Code:

Subdivision Name:
Lot #:

Reason For Removal From Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Lot 2 of Proposed CSM
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner:
State:
ZIP Code:

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/5/13
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct Push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
14.0	2.0
Lower Drillhole Diameter (in.)	Casing Depth (ft.)

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 and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Pure Gold Bentonite Chips			
Surface	14.0	5 bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Terracon		9/6/2013

Street or Route	Telephone Number
9855 S. 57th Street	(414) 423 0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132	Mark Hamm	9/9/13

DNR Use Only

Date Received	Noted By

Comments:

Appendix D

Table

Table 1
Soil Analytical Test Results Summary for VOCs and Lead
Detected Compounds Only
Lot 2 of Proposed CSM
Part of 1920 Tennyson Lane and 3802 Packers Avenue
Madison, Wisconsin
Terracon Project No. 58137074

				VOCs	Lead
Sample ID	**Sample Depth (feet)**	**PID**	**Sample Date**	Methylene Chloride (ug/kg)	Lead (mg/kg)
P-1 (3')	3	<1	9/5/2013	31.4	6.3
P-1 (15')	15	<1	9/5/2013	<25.0	3.1
P-2 (2')	2	<1	9/5/2013	38.9	12.4
P-2 (12')	12	<1	9/5/2013	<25.0	2.5
P-3 (3')	3	<1	9/5/2013	<25.0	12.8
P-3 (10')	10	<1	9/5/2013	<25.0	4.1
P-4 (3')	3	<1	9/5/2013	<25.0	11.3
P-4 (12')	12	<1	9/5/2013	31.1	3.3
P-5 (3')	3	<1	9/5/2013	<25.0	12.8
P-5 (12')	12	<1	9/5/2013	<25.0	3.3
P-6 (3')	3	<1	9/5/2013	<25.0	11.5
P-6 (14')	12	<1	9/5/2013	<25.0	2.5
Direct Contact Non-Industrial RCL[1]				**60,700**	**400**
Soil to Groundwater Pathway RCL[2]				2.6	27.0

Notes:
Lead results expressed in milligrams per kilogram (mg/kg)
VOC results expressed in micrograms per kilogram (ug/kg)

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated June 2013

[2] RCLs for Protection of Groundwater per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator (Draft Version for Comments) PUB-RR-890, updated June 2013 or NR720.09, Wisconsin Adminstrative Code (WAC), Generic RCL

XX.XX	Bold and pink = Exceeds Non-Industrial Direct Contact RCL
XX.XX	Underlined and blue = Exceeds Soil to Groundwater Pathway RCL

Appendix E

Laboratory Analytical Reports

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 11, 2013

Tim Welch
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Dear Tim Welch:
Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4084288001	**P-1 (3')**	Solid	09/05/13 10:30	09/07/13 09:15
4084288002	**P-1 (15')**	Solid	09/05/13 10:30	09/07/13 09:15
4084288003	**P-2 (2')**	Solid	09/05/13 15:45	09/07/13 09:15
4084288004	**P-2 (12')**	Solid	09/05/13 15:45	09/07/13 09:15
4084288005	**P-3 (3')**	Solid	09/05/13 15:15	09/07/13 09:15
4084288006	**P-3 (10')**	Solid	09/05/13 15:15	09/07/13 09:15
4084288007	**P-4 (3')**	Solid	09/05/13 14:30	09/07/13 09:15
4084288008	**P-4 (12')**	Solid	09/05/13 14:30	09/07/13 09:15
4084288009	**P-5 (3')**	Solid	09/05/13 09:30	09/07/13 09:15
4084288010	**P-5 (12')**	Solid	09/05/13 09:30	09/07/13 09:15
4084288011	**P-6 (3')**	Solid	09/05/13 08:45	09/07/13 09:15
4084288012	**P-6 (14')**	Solid	09/05/13 08:45	09/07/13 09:15

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4084288001	**P-1 (3')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288002	**P-1 (15')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288003	**P-2 (2')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288004	**P-2 (12')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288005	**P-3 (3')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288006	**P-3 (10')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288007	**P-4 (3')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288008	**P-4 (12')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288009	**P-5 (3')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288010	**P-5 (12')**	WI MOD DRO	CAC	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288011	**P-6 (3')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
4084288012	**P-6 (14')**	WI MOD DRO	CAC	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MYH	1	PASI-G

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

HITS ONLY

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
4084288001	**P-1 (3')**					
EPA 6010	Lead	6.3	mg/kg	1.2	09/09/13 17:36	
EPA 8260	Methylene Chloride	31.4J	ug/kg	74.0	09/09/13 14:58	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	09/09/13 14:11	
4084288002	**P-1 (15')**					
EPA 6010	Lead	3.1	mg/kg	1.0	09/09/13 17:42	
ASTM D2974-87	Percent Moisture	5.7	%	0.10	09/09/13 14:11	
4084288003	**P-2 (2')**					
EPA 6010	Lead	12.4	mg/kg	1.1	09/09/13 17:49	
EPA 8260	Methylene Chloride	38.9J	ug/kg	73.6	09/09/13 15:44	
ASTM D2974-87	Percent Moisture	18.5	%	0.10	09/09/13 14:11	
4084288004	**P-2 (12')**					
EPA 6010	Lead	2.5	mg/kg	0.97	09/09/13 17:51	
ASTM D2974-87	Percent Moisture	6.6	%	0.10	09/09/13 14:11	
4084288005	**P-3 (3')**					
EPA 6010	Lead	12.8	mg/kg	1.1	09/09/13 17:54	
ASTM D2974-87	Percent Moisture	17.9	%	0.10	09/09/13 14:12	
4084288006	**P-3 (10')**					
EPA 6010	Lead	4.1	mg/kg	0.91	09/09/13 17:56	
ASTM D2974-87	Percent Moisture	7.3	%	0.10	09/09/13 14:12	
4084288007	**P-4 (3')**					
EPA 6010	Lead	11.3	mg/kg	1.1	09/09/13 17:58	
ASTM D2974-87	Percent Moisture	14.5	%	0.10	09/09/13 14:12	
4084288008	**P-4 (12')**					
EPA 6010	Lead	3.3	mg/kg	0.96	09/09/13 18:00	
EPA 8260	Methylene Chloride	31.1J	ug/kg	65.9	09/09/13 17:39	
ASTM D2974-87	Percent Moisture	9.0	%	0.10	09/09/13 14:12	
4084288009	**P-5 (3')**					
EPA 6010	Lead	12.8	mg/kg	5.4	09/10/13 12:38	
ASTM D2974-87	Percent Moisture	19.5	%	0.10	09/09/13 14:12	
4084288010	**P-5 (12')**					
EPA 6010	Lead	3.3	mg/kg	1.1	09/09/13 18:05	
ASTM D2974-87	Percent Moisture	10.7	%	0.10	09/09/13 14:12	
4084288011	**P-6 (3')**					
EPA 6010	Lead	11.5	mg/kg	1.1	09/09/13 18:07	
ASTM D2974-87	Percent Moisture	9.4	%	0.10	09/09/13 14:12	
4084288012	**P-6 (14')**					
EPA 6010	Lead	2.5	mg/kg	1.0	09/09/13 18:09	
ASTM D2974-87	Percent Moisture	7.7	%	0.10	09/09/13 14:12	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: Terracon, Inc. - Franklin
Date: September 11, 2013

General Information:
12 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/19820

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 851970)
  - Diesel Range Organics

R1: RPD value was outside control limits.
- LCSD (Lab ID: 851971)
  - Diesel Range Organics

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Terracon, Inc. - Franklin
Date: September 11, 2013

General Information:
12 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: September 11, 2013

General Information:
12 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/21171

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-1 (3') **Lab ID: 4084288001** Collected: 09/05/13 10:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.74**	mg/kg	1.8	0.74	1	09/10/13 08:12	09/11/13 09:51		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**6.3**	mg/kg	1.2	0.36	1	09/09/13 10:05	09/09/13 17:36	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 14:58	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-1 (3') **Lab ID: 4084288001** Collected: 09/05/13 10:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	99-87-6	W
Methylene Chloride	**31.4J**	ug/kg	74.0	30.8	1	09/09/13 11:33	09/09/13 14:58	75-09-2	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 14:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 14:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-130		1	09/09/13 11:33	09/09/13 14:58	1868-53-7	
Toluene-d8 (S)	101	%	54-133		1	09/09/13 11:33	09/09/13 14:58	2037-26-5	
4-Bromofluorobenzene (S)	110	%	49-130		1	09/09/13 11:33	09/09/13 14:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.9**	%	0.10	0.10	1		09/09/13 14:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-1 (15') **Lab ID: 4084288002** Collected: 09/05/13 10:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.65**	mg/kg	1.6	0.65	1	09/10/13 08:12	09/11/13 09:57		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.1**	mg/kg	1.0	0.30	1	09/09/13 10:05	09/09/13 17:42	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 15:21	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-1 (15') **Lab ID: 4084288002** Collected: 09/05/13 10:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 15:21	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84	%	57-130		1	09/09/13 11:33	09/09/13 15:21	1868-53-7	
Toluene-d8 (S)	87	%	54-133		1	09/09/13 11:33	09/09/13 15:21	2037-26-5	
4-Bromofluorobenzene (S)	93	%	49-130		1	09/09/13 11:33	09/09/13 15:21	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		09/09/13 14:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-2 (2') **Lab ID: 4084288003** Collected: 09/05/13 15:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.78**	mg/kg	1.9	0.78	1	09/10/13 08:12	09/11/13 10:03		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**12.4**	mg/kg	1.1	0.33	1	09/09/13 10:05	09/09/13 17:49	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 15:44	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-2 (2') **Lab ID: 4084288003** Collected: 09/05/13 15:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	99-87-6	W
Methylene Chloride	**38.9J**	ug/kg	73.6	30.7	1	09/09/13 11:33	09/09/13 15:44	75-09-2	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 15:44	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 15:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	57-130		1	09/09/13 11:33	09/09/13 15:44	1868-53-7	
Toluene-d8 (S)	91	%	54-133		1	09/09/13 11:33	09/09/13 15:44	2037-26-5	
4-Bromofluorobenzene (S)	90	%	49-130		1	09/09/13 11:33	09/09/13 15:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.5**	%	0.10	0.10	1		09/09/13 14:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-2 (12') **Lab ID: 4084288004** Collected: 09/05/13 15:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.66**	mg/kg	1.6	0.66	1	09/10/13 08:12	09/11/13 10:09		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.5**	mg/kg	0.97	0.28	1	09/09/13 10:05	09/09/13 17:51	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 16:07	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-2 (12') **Lab ID: 4084288004** Collected: 09/05/13 15:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 16:07	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-130		1	09/09/13 11:33	09/09/13 16:07	1868-53-7	
Toluene-d8 (S)	102	%	54-133		1	09/09/13 11:33	09/09/13 16:07	2037-26-5	
4-Bromofluorobenzene (S)	100	%	49-130		1	09/09/13 11:33	09/09/13 16:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.6**	%	0.10	0.10	1		09/09/13 14:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-3 (3') **Lab ID: 4084288005** Collected: 09/05/13 15:15 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.76**	mg/kg	1.9	0.76	1	09/10/13 08:12	09/11/13 10:15		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**12.8**	mg/kg	1.1	0.32	1	09/09/13 10:05	09/09/13 17:54	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 16:30	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-3 (3') **Lab ID: 4084288005** Collected: 09/05/13 15:15 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 16:30	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-130		1	09/09/13 11:33	09/09/13 16:30	1868-53-7	
Toluene-d8 (S)	98	%	54-133		1	09/09/13 11:33	09/09/13 16:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%	49-130		1	09/09/13 11:33	09/09/13 16:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-3 (10') **Lab ID: 4084288006** Collected: 09/05/13 15:15 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.69**	mg/kg	1.7	0.69	1	09/10/13 08:12	09/11/13 10:21		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**4.1**	mg/kg	0.91	0.27	1	09/09/13 10:05	09/09/13 17:56	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 16:53	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-3 (10') **Lab ID: 4084288006** Collected: 09/05/13 15:15 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 16:53	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 16:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-130		1	09/09/13 11:33	09/09/13 16:53	1868-53-7	
Toluene-d8 (S)	99	%	54-133		1	09/09/13 11:33	09/09/13 16:53	2037-26-5	
4-Bromofluorobenzene (S)	95	%	49-130		1	09/09/13 11:33	09/09/13 16:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.3**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-4 (3') **Lab ID: 4084288007** Collected: 09/05/13 14:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.77**	mg/kg	1.9	0.77	1	09/10/13 08:12	09/11/13 10:26		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**11.3**	mg/kg	1.1	0.32	1	09/09/13 10:05	09/09/13 17:58	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 17:16	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-4 (3') **Lab ID: 4084288007** Collected: 09/05/13 14:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 17:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	57-130		1	09/09/13 11:33	09/09/13 17:16	1868-53-7	
Toluene-d8 (S)	97	%	54-133		1	09/09/13 11:33	09/09/13 17:16	2037-26-5	
4-Bromofluorobenzene (S)	94	%	49-130		1	09/09/13 11:33	09/09/13 17:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-4 (12') **Lab ID: 4084288008** Collected: 09/05/13 14:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.70**	mg/kg	1.7	0.70	1	09/10/13 08:12	09/11/13 10:32		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.3**	mg/kg	0.96	0.28	1	09/09/13 10:05	09/09/13 18:00	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 17:39	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-4 (12') **Lab ID: 4084288008** Collected: 09/05/13 14:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	99-87-6	W
Methylene Chloride	**31.1J**	ug/kg	65.9	27.5	1	09/09/13 11:33	09/09/13 17:39	75-09-2	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 17:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 17:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-130		1	09/09/13 11:33	09/09/13 17:39	1868-53-7	
Toluene-d8 (S)	98	%	54-133		1	09/09/13 11:33	09/09/13 17:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%	49-130		1	09/09/13 11:33	09/09/13 17:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.0**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-5 (3') **Lab ID: 4084288009** Collected: 09/05/13 09:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.79**	mg/kg	2.0	0.79	1	09/10/13 08:12	09/11/13 10:38		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**12.8**	mg/kg	5.4	1.6	5	09/09/13 10:05	09/10/13 12:38	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 18:02	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-5 (3') **Lab ID: 4084288009** Collected: 09/05/13 09:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 18:02	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-130		1	09/09/13 11:33	09/09/13 18:02	1868-53-7	
Toluene-d8 (S)	98	%	54-133		1	09/09/13 11:33	09/09/13 18:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%	49-130		1	09/09/13 11:33	09/09/13 18:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.5**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-5 (12') **Lab ID: 4084288010** Collected: 09/05/13 09:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.72**	mg/kg	1.8	0.72	1	09/10/13 08:12	09/11/13 10:44		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.3**	mg/kg	1.1	0.31	1	09/09/13 10:05	09/09/13 18:05	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 18:25	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-5 (12') **Lab ID: 4084288010** Collected: 09/05/13 09:30 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 18:25	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-130		1	09/09/13 11:33	09/09/13 18:25	1868-53-7	
Toluene-d8 (S)	98	%	54-133		1	09/09/13 11:33	09/09/13 18:25	2037-26-5	
4-Bromofluorobenzene (S)	95	%	49-130		1	09/09/13 11:33	09/09/13 18:25	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.7**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-6 (3') **Lab ID: 4084288011** Collected: 09/05/13 08:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.69**	mg/kg	1.7	0.69	1	09/10/13 08:12	09/11/13 10:50		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**11.5**	mg/kg	1.1	0.31	1	09/09/13 10:05	09/09/13 18:07	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 18:48	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	98-82-8	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-6 (3') **Lab ID: 4084288011** Collected: 09/05/13 08:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 18:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 18:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-130		1	09/09/13 11:33	09/09/13 18:48	1868-53-7	
Toluene-d8 (S)	96	%	54-133		1	09/09/13 11:33	09/09/13 18:48	2037-26-5	
4-Bromofluorobenzene (S)	93	%	49-130		1	09/09/13 11:33	09/09/13 18:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-6 (14') **Lab ID: 4084288012** Collected: 09/05/13 08:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.71**	mg/kg	1.8	0.71	1	09/10/13 08:12	09/11/13 10:55		L2
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.5**	mg/kg	1.0	0.30	1	09/09/13 10:05	09/09/13 18:09	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	106-43-4	W
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	250	49.8	1	09/09/13 11:33	09/09/13 19:12	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Sample: P-6 (14') **Lab ID: 4084288012** Collected: 09/05/13 08:45 Received: 09/07/13 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/09/13 11:33	09/09/13 19:12	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/09/13 11:33	09/09/13 19:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	57-130		1	09/09/13 11:33	09/09/13 19:12	1868-53-7	
Toluene-d8 (S)	116	%	54-133		1	09/09/13 11:33	09/09/13 19:12	2037-26-5	
4-Bromofluorobenzene (S)	110	%	49-130		1	09/09/13 11:33	09/09/13 19:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.7**	%	0.10	0.10	1		09/09/13 14:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

QC Batch: MPRP/9069 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

METHOD BLANK: 851603 Matrix: Solid
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.29	1.0	09/09/13 17:32	

LABORATORY CONTROL SAMPLE: 851604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851605 851606

Parameter	Units	4084288001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	6.3	61.3	61.3	57.9	58.8	84	86	75-125	1	20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

QC Batch: MSV/21169 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

METHOD BLANK: 851693 Matrix: Solid
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1-Dichloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1-Dichloroethene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,1-Dichloropropene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2-Dibromo-3-chloropropane	ug/kg	<49.8	250	09/09/13 12:16	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2-Dichlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2-Dichloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,2-Dichloropropane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
1,3-Dichloropropane	ug/kg	<25.0	60.0	09/09/13 12:16	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
2,2-Dichloropropane	ug/kg	<25.0	60.0	09/09/13 12:16	
2-Chlorotoluene	ug/kg	<25.0	60.0	09/09/13 12:16	
4-Chlorotoluene	ug/kg	<25.0	60.0	09/09/13 12:16	
Benzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Bromobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Bromochloromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Bromodichloromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Bromoform	ug/kg	<25.0	60.0	09/09/13 12:16	
Bromomethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Carbon tetrachloride	ug/kg	<25.0	60.0	09/09/13 12:16	
Chlorobenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Chloroethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Chloroform	ug/kg	<25.0	60.0	09/09/13 12:16	
Chloromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	09/09/13 12:16	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	09/09/13 12:16	
Dibromochloromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Dibromomethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Diisopropyl ether	ug/kg	<25.0	60.0	09/09/13 12:16	
Ethylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

METHOD BLANK: 851693 Matrix: Solid

Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<25.0	60.0	09/09/13 12:16	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	09/09/13 12:16	
m&p-Xylene	ug/kg	<50.0	120	09/09/13 12:16	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	09/09/13 12:16	
Methylene Chloride	ug/kg	<25.0	60.0	09/09/13 12:16	
n-Butylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
n-Propylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Naphthalene	ug/kg	<25.0	60.0	09/09/13 12:16	
o-Xylene	ug/kg	<25.0	60.0	09/09/13 12:16	
p-Isopropyltoluene	ug/kg	<25.0	60.0	09/09/13 12:16	
sec-Butylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Styrene	ug/kg	<25.0	60.0	09/09/13 12:16	
tert-Butylbenzene	ug/kg	<25.0	60.0	09/09/13 12:16	
Tetrachloroethene	ug/kg	<25.0	60.0	09/09/13 12:16	
Toluene	ug/kg	<25.0	60.0	09/09/13 12:16	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	09/09/13 12:16	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	09/09/13 12:16	
Trichloroethene	ug/kg	<25.0	60.0	09/09/13 12:16	
Trichlorofluoromethane	ug/kg	<25.0	60.0	09/09/13 12:16	
Vinyl chloride	ug/kg	<25.0	60.0	09/09/13 12:16	
4-Bromofluorobenzene (S)	%	102	49-130	09/09/13 12:16	
Dibromofluoromethane (S)	%	100	57-130	09/09/13 12:16	
Toluene-d8 (S)	%	105	54-133	09/09/13 12:16	

LABORATORY CONTROL SAMPLE & LCSD: 851694 851695

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2680	2660	107	106	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2920	3060	117	122	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2780	2860	111	114	70-130	3	20	
1,1-Dichloroethane	ug/kg	2500	2430	2440	97	97	70-130	0	20	
1,1-Dichloroethene	ug/kg	2500	2530	2460	101	98	64-130	3	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2630	2730	105	109	68-130	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2970	2810	119	113	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2730	2790	109	112	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	2500	2680	2820	107	113	70-130	5	20	
1,2-Dichloroethane	ug/kg	2500	2980	3090	119	124	70-130	4	20	
1,2-Dichloropropane	ug/kg	2500	2720	2670	109	107	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	2500	2640	2720	106	109	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	2500	2640	2750	106	110	70-130	4	20	
Benzene	ug/kg	2500	2820	2870	113	115	70-130	2	20	
Bromodichloromethane	ug/kg	2500	2780	2880	111	115	70-130	4	20	
Bromoform	ug/kg	2500	3100	3240	124	130	63-130	4	20	
Bromomethane	ug/kg	2500	1840	1730	74	69	41-142	6	20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

LABORATORY CONTROL SAMPLE & LCSD: 851694 851695

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2870	2860	115	115	70-130	0	20	
Chlorobenzene	ug/kg	2500	2650	2680	106	107	70-130	1	20	
Chloroethane	ug/kg	2500	1620	1510	65	61	57-130	7	20	
Chloroform	ug/kg	2500	2580	2560	103	103	70-130	0	20	
Chloromethane	ug/kg	2500	2330	2240	93	90	57-130	4	20	
cis-1,2-Dichloroethene	ug/kg	2500	2320	2320	93	93	70-130	0	20	
cis-1,3-Dichloropropene	ug/kg	2500	2810	2790	112	111	70-130	1	20	
Dibromochloromethane	ug/kg	2500	2690	2790	108	112	70-130	4	20	
Dichlorodifluoromethane	ug/kg	2500	1810	1760	73	71	31-150	3	20	
Ethylbenzene	ug/kg	2500	2710	2770	109	111	65-137	2	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2670	2710	107	109	70-130	2	20	
m&p-Xylene	ug/kg	5000	5390	5560	108	111	64-139	3	20	
Methyl-tert-butyl ether	ug/kg	2500	2630	2580	105	103	69-130	2	20	
Methylene Chloride	ug/kg	2500	2430	2380	97	95	70-130	2	20	
o-Xylene	ug/kg	2500	2710	2750	108	110	63-135	1	20	
Styrene	ug/kg	2500	2720	2780	109	111	69-130	2	20	
Tetrachloroethene	ug/kg	2500	2650	2720	106	109	70-130	3	20	
Toluene	ug/kg	2500	2610	2680	105	107	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2400	2500	96	100	70-130	4	20	
trans-1,3-Dichloropropene	ug/kg	2500	2910	2990	116	120	70-130	3	20	
Trichloroethene	ug/kg	2500	2580	2700	103	108	70-130	5	20	
Trichlorofluoromethane	ug/kg	2500	2590	2590	104	104	50-150	0	20	
Vinyl chloride	ug/kg	2500	2520	2440	101	98	57-130	3	20	
4-Bromofluorobenzene (S)	%				110	111	49-130			
Dibromofluoromethane (S)	%				99	99	57-130			
Toluene-d8 (S)	%				103	105	54-133			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

QC Batch: OEXT/19820 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

METHOD BLANK: 851969 Matrix: Solid
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.80	2.0	09/11/13 08:59	

LABORATORY CONTROL SAMPLE & LCSD: 851970 851971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	20.5	30.7	51	77	70-120	40	20	L0,R1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

QC Batch: PMST/8840 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4084288001, 4084288002, 4084288003, 4084288004, 4084288005, 4084288006, 4084288007, 4084288008, 4084288009, 4084288010, 4084288011, 4084288012

SAMPLE DUPLICATE: 851745

Parameter	Units	4084270001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	41.8	41.7	0	10	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/21171

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
R1	RPD value was outside control limits.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4084288001	**P-1 (3')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288002	**P-1 (15')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288003	**P-2 (2')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288004	**P-2 (12')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288005	**P-3 (3')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288006	**P-3 (10')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288007	**P-4 (3')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288008	**P-4 (12')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288009	**P-5 (3')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288010	**P-5 (12')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288011	**P-6 (3')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288012	**P-6 (14')**	WI MOD DRO	OEXT/19820	WI MOD DRO	GCSV/10170
4084288001	**P-1 (3')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288002	**P-1 (15')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288003	**P-2 (2')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288004	**P-2 (12')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288005	**P-3 (3')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288006	**P-3 (10')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288007	**P-4 (3')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288008	**P-4 (12')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288009	**P-5 (3')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288010	**P-5 (12')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288011	**P-6 (3')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288012	**P-6 (14')**	EPA 3050	MPRP/9069	EPA 6010	ICP/8026
4084288001	**P-1 (3')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288002	**P-1 (15')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288003	**P-2 (2')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288004	**P-2 (12')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288005	**P-3 (3')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288006	**P-3 (10')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288007	**P-4 (3')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288008	**P-4 (12')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288009	**P-5 (3')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288010	**P-5 (12')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288011	**P-6 (3')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288012	**P-6 (14')**	EPA 5035/5030B	MSV/21169	EPA 8260	MSV/21171
4084288001	**P-1 (3')**	ASTM D2974-87	PMST/8840		
4084288002	**P-1 (15')**	ASTM D2974-87	PMST/8840		
4084288003	**P-2 (2')**	ASTM D2974-87	PMST/8840		
4084288004	**P-2 (12')**	ASTM D2974-87	PMST/8840		
4084288005	**P-3 (3')**	ASTM D2974-87	PMST/8840		
4084288006	**P-3 (10')**	ASTM D2974-87	PMST/8840		
4084288007	**P-4 (3')**	ASTM D2974-87	PMST/8840		
4084288008	**P-4 (12')**	ASTM D2974-87	PMST/8840		
4084288009	**P-5 (3')**	ASTM D2974-87	PMST/8840		
4084288010	**P-5 (12')**	ASTM D2974-87	PMST/8840		
4084288011	**P-6 (3')**	ASTM D2974-87	PMST/8840		

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58137074 KELLER - LOT 2
Pace Project No.: 4084288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4084288012	**P-6 (14')**	ASTM D2974-87	PMST/8840		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4084288

(Please Print Clearly)	
Company Name:	Terracon
Branch/Location:	Milwaukee
Project Contact:	Tim Welch
Phone:	414 423 0255
Project Number:	58137074
Project Name:	Keller - Lot 2
Project State:	WI
Sampled By (Print):	Nick Heim
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	S
Mail To Company:	
Mail To Address:	A
Invoice To Contact:	M
Invoice To Company:	
Invoice To Address:	E
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOC	DRO	Lead	PAH				CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	P-1 (3')	9/5/13	10:30	S	N	F	X	X	X	X	1-4oz pA			72 hr TAT	1-4oz cgA 1-4oz agA 1-40ml VA	
002	P-1 (15')		10:30			A	X	X	X	X						
003	P-2 (2')		3:45				X	X	X	X				PAH on		
004	P-2 (12')		3:45				X	X	X	X				hold Pending		
005	P-3 (3')		3:15				X	X	X	X				DRO		
006	P-3 (10')		3:15				X	X	X	X				Analysis		
007	P-4 (3')		2:30				X	X	X	X						
008	P-4 (12')		2:30				X	X	X	X						
009	P-5 (3')		9:30				X	X	X	X						
010	P-5 (12')		9:30				X	X	X	X						
011	P-6 (3')		8:45				X	X	X	X						
012	P-6 (14')		8:45				X	X	X	X						

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Nick Heim	9/6/13 10:45		
CS Logistics	9/7/13 0915	Margaret Pace GB	9/7/13 0915

PACE Project No.: 4084288

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Service
1241 Bellevue Street, S
Green Bay, WI

Pace Analytical™

Sample Condition Upon Receipt

Client Name: Terracon Project # 408288

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used N/A Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RO1 /Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 9/7/13
Initials: MH

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: CH for DM Date: 9/7/13