4/45/05

DRAKE ENVIRONMENTAL, INC.

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT FORMER GREENEBAUM TANNERY PROPERTY MILWAUKEE, WISCONSIN





June 10, 2004

HR Housing, Inc. C/O Attorney George Marek Quarles & Brady, LLP 411 East Wisconsin Avenue Milwaukee, WI 53202-4497

RE: Phase II Environmental Site Assessment Report for the Former Greenebaum Tannery Property, Located at 4763 North 32nd Street in Milwaukee, Wisconsin — Drake Project No. J04013

Dear Attorney Marek:

Drake Environmental, Inc. has completed the Phase II Environmental Site Assessment Report for the above-referenced site. The attached report presents the results of field and laboratory testing, a discussion of the results, and our findings and conclusions. We appreciated the opportunity to provide environmental consulting services for this project. If you have any questions regarding this report, please call us at (414) 351-1440.

Respectfully,

DRAKE ENVIRONMENTAL, INC.

D.J. Burns

Project Manager

Rulard W. Frieseke Richard W. Frieseke, P.E.

President

Attachments J04013D

PROJECT

Phase II Environmental Site Assessment Former Greenebaum Tannery Property 4763 North 32nd Street Milwaukee, Wisconsin

CLIENT

H.R. Housing, Inc. C/o Quarles & Brady, LLP 411 East Wisconsin Avenue Milwaukee, WI 53202-4497

> Project Number J04013

<u>Date</u> June 10, 2004

DRAKE ENVIRONMENTAL, INC.

6980 North Teutonia Avenue Milwaukee, WI 53209-2536

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1.0 INTRODUCTION

1.1 Project Description

On behalf of HR Housing, Inc., Drake Environmental, Inc. conducted a Phase II Environmental Site Assessment of the Former Greenebaum Tannery property located at 4763 North 32nd Street in Milwaukee, Wisconsin. The subject property is situated in an industrial/commercial area of central Milwaukee and is bordered by Hampton Avenue to the north, the Lincoln Creek Parkway to the south, North 32nd Street to the east, and multiple railroad lines to the west. Figure 1 in Appendix A depicts the location of the subject property.

The subject property consists of an approximate 5.2 acre rectangular parcel of land located in a commercial and residential area. The subject property currently includes a total of approximately 16 vacant buildings occupying almost the entire property. The buildings range from approximately 45 to 75 years old and vary in height between one and five stories. In January 2000, a fire destroyed approximately 3 buildings which were formerly located near the southwest portion of the site. However, the foundations and portions of the floor slabs from the three buildings remain at the site. Figure 2 in Appendix A depicts the general features of the subject property.

The subject property was the site of a tannery from approximately the 1920s until approximately 1956. Since 1956, the subject property housed a variety of occupants with operations including a wood finishing facility, paint spray booth, automobile salvage facility, a recycling facility, a machine shop and warehousing of goods. The subject property is currently vacant and the owner of the site is currently removing some debris from the subject property. The past use of the property impacted the soil, groundwater, and potentially the surface water in the vicinity of the subject property.

A Phase I Environmental Site Assessment conducted by Drake revealed evidence of recognized environmental conditions (RECs) in connection with the historical use of the subject property including:

The presence or former presence of aboveground storage tanks and underground storage tanks.

- The presence of former aboveground and underground tanning vats.
- The presence of drains, sumps and utility corridors at the subject property.
- The presence of electrical transformers.
- The presence of a railroad spur on the subject property.
- The presence of lead-based paint
- The presence of potential asbestos containing materials
- The presence of fill dirt
- The presence of a former settling pond
- The presence and former presence of drums and storage containers of unknown chemicals

Based on the results of the Phase I, a Phase II Environmental Site Assessment was considered warranted to evaluate the presence or absence of contamination in the soil and groundwater of the subject property from both potential on-site and off-site sources.

1.2 Scope of Work

2. 724 23 E- The scope of work for this project included the advancement of thirteen soil probes with a track-mounted Geoprobe sampling unit, the installation of four temporary groundwater monitoring wells, groundwater sample collection from three existing, previously installed monitoring wells and the collection and analysis of representative soil and groundwater samples.

Drake was present on-site to document subsurface conditions, measure and map the sample locations, collect and evaluate representative soil and groundwater samples, and preserve selected soil and groundwater samples for laboratory analysis. Following receipt of field and laboratory reports, Drake evaluated the project data and prepared this report documenting the Phase II results.

2.0 PROCEDURES

The procedures utilized in collecting, evaluating, and analyzing the Phase II soil and groundwater samples are described in the following section.

2.1 Probe Locations

Thirteen probes (designated GP-1 through GP-13) were installed at the subject property to evaluate the presence or absence of contamination from both potential on-site and off-site sources. The probe locations are depicted on Figure 2 in Appendix A. Based on local topography and the presence of Lincoln Creek along the southern and eastern boundary of the subject property, the direction of groundwater flow in the vicinity of this site is anticipated to be toward the southeast.

2.2 Soil Probe Procedures

The probes were advanced at the subject property on April 8, 2004 with the use of a Geoprobe direct-push soil probe unit. On-site Environmental Services, Inc. of Sun Prairie, Wisconsin provided personnel and a track-mounted soil probe unit to advance soil probes, retrieve soil cores, and construct temporary monitoring wells. Prior to the beginning of the Phase II fieldwork, public underground utility lines located in the vicinity of the site were marked by Wisconsin Diggers Hotline. All probes that were not converted to temporary groundwater monitoring wells were abandoned by filling the probehole with bentonite chips. Wisconsin Department of Natural Resources (DNR) forms documenting the probehole abandonments are included in Appendix B.

2.3 Soil Sampling Procedures

A continuous core of soil was collected at 4-foot vertical intervals from each probe location with a steel sampling tube equipped with a disposable plastic liner. The soil cores were retrieved with the Geoprobe unit, and Drake collected representative soil samples from the cores for field evaluation and laboratory analysis. A representative sample from each 2-foot section of soil core was placed into an 8-ounce glass jar for field evaluation and screening. Soil samples selected for laboratory analysis were placed into appropriate laboratory-supplied containers, preserved in accordance with

DNR guidelines, and submitted to a DNR-certified laboratory for analysis within appropriate holding times.

2.4 Field Screening and Soil Classification Procedures

Field screening of the soil samples was conducted with a photoionization detector (PID) following the DNR headspace method. PID screening provides a qualitative measure of volatile organic vapor emissions in soils. The PID readings were used in conjunction with physical observations of the soil samples for the presence of debris, staining, or unusual odors to evaluate potential contamination.

Following field screening, each soil sample was examined and classified for soil type, color, and approximate moisture content. Soil boring logs summarizing the results of Drake's field evaluation of the soil samples are included in Appendix B.

2.5 Monitoring Well Installation Procedures

At the conclusion of soil sampling, 1-inch diameter temporary monitoring wells were installed within probeholes GP-1, GP-2, GP-3, GP-4, and GP-8. The temporary monitoring wells were constructed with a 10-foot polyvinyl chloride (PVC) well screen and well pipe, a coarse sand filter pack, and a bentonite surface seal.

2.6 Groundwater Sampling Procedures

On April 15, 2004, groundwater grab samples were obtained from probes GP-1 (TW-1), GP-4 (TW-4), and the existing monitoring wells identified as MW-A, MW-B and MW-C on Figure 2. The groundwater samples were collected using disposable polyethylene bailers. Upon collection, the groundwater samples were placed into appropriate laboratory-supplied containers, preserved in accordance with DNR guidelines, and submitted to a DNR-certified laboratory for analysis within appropriate holding times.

2.7 Analytical Testing Procedures

Great Lakes Analytical, Inc. of Oak Creek, Wisconsin (DNR Laboratory Certification Number 341000330) provided laboratory analytical testing services for the soil and

groundwater samples collected from the subject property during the Phase II. The soil samples collected during the Phase II were analyzed for gasoline range organics (GRO), diesel range organics (DRO), volatile organic compounds (VOCs), poly-cyclic aromatic hydrocarbons (PAHs) and Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, selenium, silver, and mercury).

The groundwater samples collected from MW-A, MW-B, MW-C and TW-4 on April 15, 2004 were analyzed for GRO, DRO, VOCs, PAHs and RCRA metals. The groundwater sample collected from TW-1 on April 15, 2004 was analyzed for VOCs. For quality control purposes, Drake submitted trip blanks along with the soil and groundwater samples to identify contamination that may have occurred as a result of external influences.

3.0 RESULTS AND ANALYSIS

The results of the field evaluation and laboratory analysis for the soil and groundwater samples collected during the Phase II are discussed in the following section.

3.1 Field Evaluation Results

The native soils encountered at the site consisted generally of brown to gray clays and silts. Fill soils consisting generally of brown to gray sand with some gravel, clay, and silt were observed at some of the boring locations to depths of approximately 4 feet below ground surface (bgs). Soil boring logs summarizing the results of Drake's field evaluation of the soil samples are included in Appendix B.

The soil samples collected from 2-10 feet bgs in probe GP-1 exhibited elevated PID readings (30-232 instrument units [iu]) and exhibited a slight petroleum odor. Wet soils were encountered at depths of approximately 15-20 feet bgs in the majority of the probes. Perched water conditions were present in the vicinity of GP-4, GP-5, GP-6, and GP-7 near the existing fill pipe near Building 16.

3.2 Laboratory Analysis Results

The analytical results for the soil samples collected during the Phase II are summarized in Table 1 of Appendix C. Analytical results for the groundwater grab samples collected from the temporary monitoring wells are summarized in Table 2 of Appendix C. Copies of the laboratory analytical reports and chain of custody forms for the soil and groundwater samples are included in Appendix D. No concentrations of GRO, DRO, or VOCs were detected by the laboratory in the trip blanks that accompanied the soil and groundwater samples.

3.2.1 Soil Sample Analytical Results

The analytical results indicated the concentrations of GRO detected in the soil samples ranged from <5.25 ppm to 11.9 ppm. The results also indicated the concentrations of DRO ranged from <5.25 ppm to 11.5 ppm.

The DNR historically utilized a guideline limit of 10 parts per million (ppm) GRO or DRO in evaluating if additional investigation may be warranted with regard to soil contamination. In addition, Chapter NR 720 of the Wisconsin Administrative Code establishes generic residual contaminant levels (RCLs) for GRO and DRO based on the protection of groundwater and the type of soil present at a site. Based on the presence of granular fill soils at this site, the generic RCL for both GRO and DRO is anticipated to be 100 ppm.

Although the detected concentration of GRO at GP-2 (11.9 ppm) exceeds the historical 10 ppm trigger level, the concentration is below the NR 720 generic RCL of 100 ppm. The concentrations of DRO detected in the soil samples from probes GP-4 (11.5 ppm) and GP-5 (10.1 ppm) do not exceed the NR 720 generic RCL.

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Analytical results indicated that concentrations of VOCs above the laboratory method detection limits were detected in the soil samples collected from probes GP-2, GP-4, and GP-9. The VOCs detected in the soil samples consisted of ethylbenzene, toluene, xylenes and napthalene.

Chapter NR 720 of the Wisconsin Administrative Code establishes generic RCLs for five VOCs (benzene, 1,2-dichloroethane, ethylbenzene, toluene, and xylenes) based on protection of groundwater. Based on the analytical results, the concentrations of VOCs detected in the soil samples collected during the Phase II did not exceed these NR 720 generic RCLs for the protection of groundwater. In addition, the naphthalene concentration in GP-9 of 48 ppb did not exceed the DNR suggested RCL for groundwater protection of 400 ppb or the DNR suggested RCL for non-industrial direct contact of 20,000 ppb.

Laboratory analytical results indicated that the detected concentrations of PAHs in the soil samples were less than the respective laboratory method detection reporting limits for each compound in all of the probes except GP-9, GP-11, and GP-12. As a result, the concentrations of PAHs from the soil samples in GP-1 through GP-8, GP-10, and GP-13 are less than the DNR suggested RCL for groundwater protection and the DNR suggested RCL for non-industrial direct contact.

The PAHs detected in GP-9 included benzo(a)anthracene, benzo(a)pyrene, dibenzo(ah)anthracene, fluoranthene, and phenanthrene. The soil samples from GP-11

and GP-12 also exhibited concentrations of benzo(a)pyrene above the laboratory reporting limit.

The soil sample from GP-9 exhibited a benzo(a)anthracene concentration of 84.3 ppm which exceeds the DNR suggested RCL for groundwater protection of 17 ppm and the DNR suggested RCL for non-industrial direct contact of 0.088 ppm. The benzo(a)pyrene concentration of 63.3 ppm also exceed the DNR suggested RCL for groundwater protection of 48 ppm and the DNR suggested RCL for non-industrial direct contact of 0.0088 ppm. The dibenzo(ah)anthracene concentration of 6.30 ppm is less than the DNR suggested RCL for groundwater protection of 38 ppm but exceeds the DNR suggested RCL for non-industrial direct contact of 0.0088 ppm. The detected fluoranthene concentration of 174 ppm is less than the DNR suggested RCL for groundwater protection of 500 ppm and the DNR suggested RCL for non-industrial direct contact. The phenanthrene concentration of 147 ppm exceeds the DNR suggested RCL for groundwater protection of 1.8 ppm and the DNR suggested RCL for non-industrial direct contact of 18 ppm.

The benzo(a)pyrene concentration in the soil sample from GP-11 of 46.8 ppm exceeds the DNR suggested RCL for non-industrial direct contact of 0.0088 ppm, but is less than the DNR suggested RCL for groundwater protection of 48 ppm.

The benzo(a)pyrene concentration in the soil sample from GP-12 of 5.68 ppm also exceeds the DNR suggested RCL for non-industrial direct contact of 0.0088 ppm, but is less than the DNR suggested RCL for groundwater protection of 48 ppm.

Laboratory analytical results indicated that concentrations of RCRA metals were detected in soil samples collected from all thirteen probes. The metals detected in the soil samples above the method detection limits consisted of arsenic, barium, chromium, lead, and mercury. Chapter NR 720 of the Wisconsin Administrative Code establishes RCLs for five metals (arsenic, cadmium, hexavalent chromium, trivalent chromium, and lead) based on land use and protection of human health from direct contact. NR 720 does not establish a RCL for barium or mercury.

Due to the potential for future residential use at the subject property, the NR 720 non-industrial RCLs were utilized to evaluate the concentrations of RCRA metals detected at the site.

The detected concentrations of arsenic in the soil samples collected from all of the probes except GP-4 and GP-12 exceed the NR 720 non-industrial RCL of 0.039 ppm. The reported concentrations for GP-4 (<3.01 ppm) and GP-12 (<2.62 ppm) are less than the laboratory method detection limits.

The detected concentrations of chromium in the soil samples ranged from 8.31 ppm to 1,760 ppm. The soil sample with the highest chromium concentration was the 2-4 feet bgs sample from GP-11, which was located at the southeast corner of Building 11. The chromium concentrations detected in the samples from GP-2, GP-3, GP-4, GP-5, GP-6GP-8, GP-9, GP-10, GP-11, and GP-13 exceed the NR 720 non-industrial RCL of 14 ppm.

The detected concentration of lead in the soil samples ranged from less than 5.25 ppm to 86.9 ppm. The soil sample with the highest lead concentration (86.9 ppm) was the 2-4 feet bgs sample from GP-9. The concentration of lead detected at GP-9 (86.9) exceeds the NR 720 generic RCL for lead of 50 ppm.

Mercury was detected in soil probes GP-5 (0.0789 ppm), GP-9 (0.957 ppm), and GP-11 (0.501 ppm) above the laboratory reporting limit, however, NR 720 does not establish a RCL for mercury.

Since many of the established generic cleanup levels are for the protection of groundwater, groundwater sampling was conducted to evaluate potential impact to groundwater.

3.2.2 Groundwater Sample Analytical Results

The groundwater samples collected from MW-A, MW-B, MW-C, and TW-4 were analyzed for GRO, DRO, PAHs, and RCRA metals. The groundwater sample from TW-1 was analyzed for VOCs.

The analytical results indicated that neither GRO or DRO was detected above the laboratory reporting limit in the groundwater samples collected from MW-A, MW-B, MW-C, and TW-4.

The VOC analytical results indicate 1,2-dichloroethane was the only compound detected above laboratory reporting limits in the groundwater samples collected. The sample from TW-4 exhibited a concentration of 4.32 ppb. Chapter NR 140 of the Wisconsin Administrative Code establishes a groundwater quality Preventive Action Limit (PAL) and an Enforcement Standard (ES) for 1,2-dichloroethane based on the protection of public health. The PAL is typically considered to be an indicator of a potential contamination problem, and the ES is typically considered to be an indicator of a potential human health risk. The reported concentration of 1,2-dichloroethane from TW-4 of 4.32 ppb exceeds the NR 140 Preventive Action Limit of 0.5 ppb, but is less than the NR 140 Enforcement Standard of 5 ppb.

The PAHs detected in the groundwater sample from TW-4 consisted of benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene. The reported concentrations of benzo(a)pyrene and benzo(b)fluoranthene are higher than the NR 140 PAL of 0.02 ppb but less than the NR 140 ES of 0.2 ppb.

Laboratory analytical results indicated the concentrations of arsenic, cadmium, mercury, barium, and silver in the groundwater samples were less than their respective NR 140 Enforcement Standards.

The analytical results from the groundwater sample from TW-4 indicated the concentration of chromium (700 ppb) exceeds the NR 140 ES of 100 ppb. The concentration of lead from TW-4 (1,260 ppb) also exceeds the NR 140 ES of 50 ppb. The concentration of selenium from TW-4 (92.9 ppb) exceeds the NR 140 ES of 50 ppb.

4.0 FINDINGS AND CONCLUSIONS

Drake documented the collection of soil and groundwater samples for field and laboratory testing from the Former Greenbaum Tannery property in Milwaukee, Wisconsin. Thirteen probes were advanced at the site, soil samples were evaluated in the field for obvious indications of contamination, and selected soil samples from each probe were analyzed by a certified laboratory for contaminants typically associated with past site uses (GRO, DRO, VOCs, PAHs and RCRA metals). Five groundwater samples were also collected during the Phase II and selected groundwater samples were analyzed for GRO, DRO, VOCs, PAHs and RCRA metals or a combination of the analytes. The findings and conclusions of the Phase II are discussed in the following section.

4.1 Findings

Market Contract

4.1.1 Soil Results

- The subsurface soil beneath the site consists primarily of topsoil and fill underlain by glacial till deposits. The topsoil and fill layer, consisting of topsoil, clay and sand, with varying amounts of gravel, ranged in thickness from approximately 0.5 to 4 feet bgs. The fill material was underlain by native clay and silt soils.
- Laboratory analytical results indicated that the highest concentration of GRO detected in the soil samples was 11.9 ppm in the soil sample from GP- 4 and the highest concentration of DRO was 11.5 ppm at GP-4. The GRO and DRO concentrations exceed the historical DNR investigative guideline trigger limit of 10 ppm, however the concentrations do not exceed the NR 720 generic RCL of 100 ppm.
- Analytical results indicated that concentrations of VOCs above the laboratory method detection limits were detected in the soil samples collected from probes GP-2, GP-4, and GP-9. The VOCs detected in the soil samples consisted of ethylbenzene, toluene, xylenes and napthalene. The concentrations of VOCs detected in the soil samples collected during the Phase II did not exceed NR 720 generic RCLs. In addition, the naphthalene concentration in GP-9 of 48 ppb did not exceed the DNR suggested RCL

for groundwater protection of 400 ppb or the DNR suggested RCL for non-industrial direct contact.

- Laboratory analytical results indicated the detected concentrations of PAHs in the soil samples were less than the respective laboratory method detection reporting limits for each compound in all of the probes except GP-9, GP-11, and GP-12.
 - The PAHs detected in GP-9 included benzo(a)anthracene, GP-9: benzo(a)pyrene, dibenzo(ah)anthracene, fluoranthene, and phenanthrene. The benzo(a)anthracene concentration from GP-9 of 84.3 ppm exceeds the DNR suggested RCL for groundwater protection and the DNR suggested RCL for non-industrial direct contact level. The benzo(a)pyrene concentration at GP-9 also exceeds the DNR suggested RCL for groundwater protection and the DNR suggested RCL for nonindustrial direct contact. The dibenzo(ah)anthracene concentration at GP-9 ppm is less than the DNR suggested RCL for groundwater protection but exceeds the DNR suggested RCL for non-industrial direct contact. The fluoranthene concentration is less than the DNR suggested RCL for groundwater protection and the DNR suggested RCL for nonindustrial direct contact. The phenanthrene concentration exceeds the DNR suggested RCL for groundwater protection and the DNR suggested RCL for non-industrial direct contact.

- <u>GP-11:</u> The benzo(a)pyrene concentration at GP-11 exceeds the DNR suggested RCL for non-industrial direct contact, but is less than the DNR suggested RCL for groundwater protection.
- <u>GP-12</u>: The benzo(a)pyrene concentration at GP-12 exceeds the DNR suggested RCL for non-industrial direct contact, but is less than the DNR suggested RCL for groundwater protection.
- Laboratory analytical results indicated that concentrations of RCRA metals were detected in soil samples collected from all thirteen probes. The metals consisted of arsenic, barium, chromium, lead, and mercury. The detected concentrations of arsenic in the soil samples collected from all of the probes except GP-4 and GP-12 exceed the NR 720 non-industrial RCL. The chromium concentrations detected in GP-2, GP-3,

GP-4, GP-5, GP-6GP-8, GP-9, GP-10, GP-11, and GP-13 exceed the NR 720 non-industrial RCL of 14 ppm. The concentration of lead detected at GP-9 (86.9) exceeds the NR 720 generic RCL for lead of 50 ppm.

4.1.2 Groundwater Results

- Laboratory analytical results indicated that neither GRO nor DRO was detected in the groundwater samples collected from MW-A, MW-B, MW-C and TW-4.
- Laboratory analytical results indicated that the concentration of 1,2-dichlorethane in the groundwater sample from TW-4 exceeds the NR 140 PAL, but is less than the NR 140 ES.
- The PAHs detected in the groundwater sample from TW-4 consisted of benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene. The reported concentrations of benzo(a)pyrene and benzo(b)fluoranthene are higher than the NR 140 PAL, but less than the NR 140 ES.
- Laboratory analytical results indicated the concentrations of arsenic, cadmium, mercury, barium, and silver in the groundwater samples were less than their respective NR 140 ESs.
- The analytical results from the groundwater sample from TW-4 indicated the concentrations of chromium, lead and selenium exceed their respective NR 140 ESs.

4.2 Conclusions

 Based on the results of the Phase II and prior environmental investigations conducted by others, it appears that the soil and the groundwater at the subject property have been affected by the historical uses at the site. Because soil and groundwater contamination have been detected, s. 292.11, Wisconsin Statutes requires that the DNR be notified and/or updated information should be provided. • Due to the presence of soil and groundwater contamination at the subject property, future development activities at the subject site may be limited or restricted. The restrictions may include engineered controls, institutional controls, or a combination thereof to protect human health and groundwater.

4.3 General Qualifications

Drake conducts their services with that degree of care and skill ordinarily exercised by members of the environmental consulting community practicing under similar conditions at the same time in the same or similar locality. The procedures Drake followed in completing this project were in general accordance with applicable regulations of the DNR at the time the work was conducted. If the applicable regulations change, the DNR may require additional information.

The results, findings, and conclusions presented in this report are based on the data obtained from the specific sampling locations at the times and under the conditions stated in this report. Variations in soil and groundwater conditions typically exist at most sites between sampling locations and may change with time. If variations are noted in the future, Drake should be informed to determine if these variations affect the findings and conclusions in this report. Some of the factual information in this report was obtained from the client, client's agents, and third parties, and is assumed by Drake to be correct and complete. Changes or modifications made to the site and/or facilities after the site visit are not included. The conclusions are Drake's professional opinion and should not be construed as a guarantee or warranty that liabilities do or do not exist.

Drake assumes no responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with the recommendations and/or suggestions contained in this report in no way assures elimination of hazards or a fulfillment of a property owner's obligation under local, state, or federal laws. It is the responsibility of the property owner to notify authorities of any conditions that are in violation of current legal standards.

Drake prepared this report at the request of their client. Drake assumes responsibility for the accuracy of the contents of this report subject to what is stated elsewhere in this

section, but recommends the report be used only for the purpose intended by the client and Drake when the report was prepared. The report may be unsuitable for other uses and reliance upon its contents by anyone other than the client is done at the sole risk of the user. Drake accepts no responsibility for application or interpretation of the results by anyone other than the client.

APPENDICES

Appendix A

Figure 1 - Vicinity Diagram

Figure 2 - Sample Locations Diagram

Appendix B

Soil Boring Log Forms

DNR Borehole Abandonment Forms

Appendix C

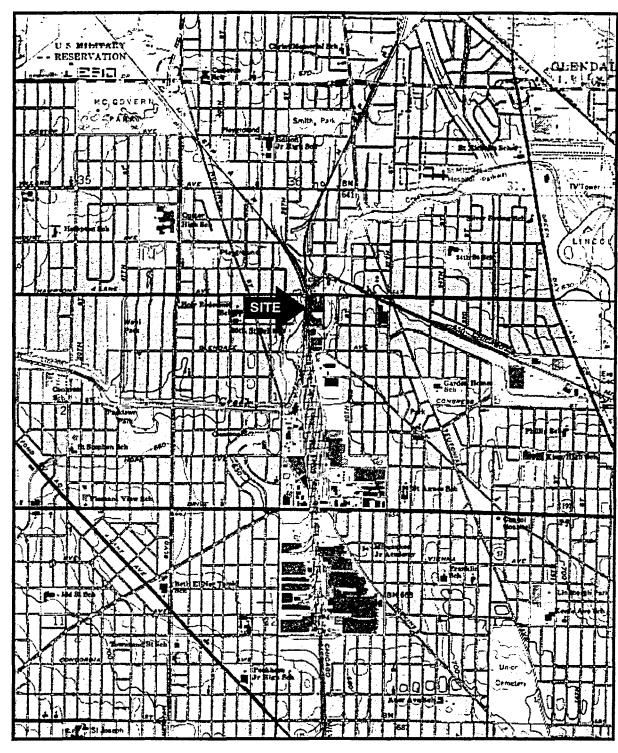
Table 1 - Soil Sample Analytical Results

Table 2 - Groundwater Sample Analytical Results

Data Table Abbreviations

Appendix D

Analytical Laboratory Reports Chain of Custody Forms



MILWAUKEE, WISCONSIN USGS 7.5 MINUTE QUADRANGLE MAP CREATED 1958, PHOTOREVISED 1971 NW 1/4 NE 1/4 SEC 1 T7N R21E



DIAGRAM SCALE

1000

1 INCH = 2000 FEET



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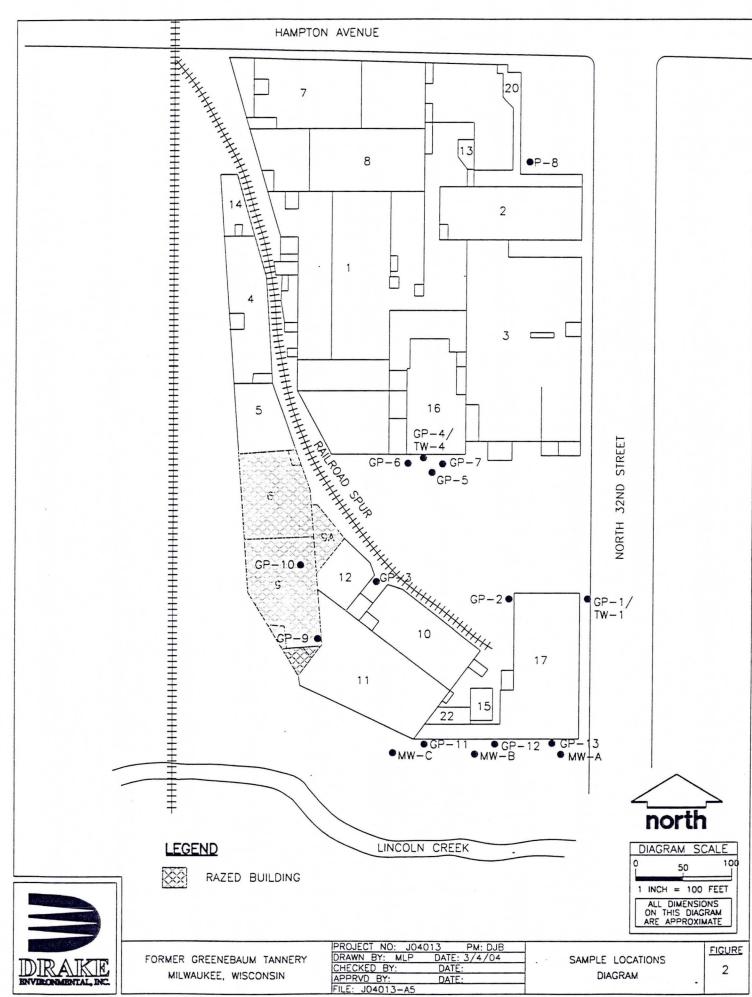
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FORMER GREENEBAUM TANNEI	R١
MILWAUKEE, WISCONSIN	

PROJECT NO: J04	013 PM: DJB
DRAWN BY: RSZ	DATE: 3/16/04
CHKED BY:	DATE:
APRVD BY:	DATE:

VICINITY . DIAGRAM **FIGURE** 1





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1112161

PROJECT NAME Greenebaum Tanne	ry Property			PROJ MGR DJB	BORING NUMBER GP-1/TW-1
BORING DRILLED BY FIRM: On-Site Environ	mental, Inc.		W CHIEF Tony	LAST NAM	<u> </u>
DATE DRILLING STARTED 4/8/04	DATE DRILLING CO	MPLETED 4/8/04	NW 1/4 N	RIPTION E 1/4 SEC 1	T7N R21E
DRILLING METHOD Direct Push	BOREHOLE DIAMETI	1" diameter			
FACILITY ID CO	UNTY Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwouk	ee

DE	РТН	LAB SAMPLE	DESCRIPTION	USCS	PID
0			·		
1 -			6" Topsoil Light brown silty clay, trace gravel and sand		2
3 -		•	Light brownish black silty clay with trace gravel and sand		4
5 -			Light black silty clay with trace gravel and sand (moist)		<1
7 -			Light black silty clay with trace gravel and sand (moist), poor recovery		<1
9 -			Brown silty clay, trace gravel and sand, poor recovery		<1
10 -			Brown silty clay, trace gravel and sand, poor recovery		<1
12 -			Grayish—brown silty clay, trace gravel and sand		<1
14 - 15 -			Grayish—brown silty clay, trace gravel and sand		<1
17 -			Gray silty clay, trace gravel and sand		<1
19 -			Gray silty clay, trace gravel and sand End of Boring at 19 feet		<1
20 –			. Doing at 15 leet		
21	\exists				



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Friday Park

PROJECT NAME Greenebaum Tannery	Property			PROJ MGR BORING NUMBER DJB GP-2/TW-2
BORING DRILLED BY FIRM: On-Site Environm	ental, Inc.		REW CHIEF TONY	LAST NAME:
DATE DRILLING STARTED	DATE DRILLING CO	MPLETED	LOCATION DESC	RIPTION
4/8/04		4/8/04	NW 1/4 N	E 1/4 SEC 1 T7N R21E
Direct Push	BOREHOLE DIAMET	ER 1" diameter		
FACILITY ID COUN	Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwaukee

DE	PTH	LAB SAMPLE	DESCRIPTION	USCS	PID
0					
1			6" Gravel Brown silty clay, trace gravel and sand, some organics (coal fragments)		10
3			Brown silty clay with trace gravel and sand, moist		170
5		•	Brown silty clay with trace gravel and sand, damp, slight petroleum odor		232
7			Brown silty clay with trace gravel and sand, damp, slight petroleum odor		100
9			Brownish—gray silty clay, trace gravel and sand		30
11			Brownish—gray silty clay, trace gravel and sand		<1
13			Grayish—brown silty clay, trace gravel and sand		<1
5	Ξ		Grayish—brown silty clay, trace gravel and sand		
6			End of Boring at 15 feet		
7 -					
9 -			•		
21					



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PROJECT NAME Greeneboum Tonnery P	roperty		,	PROJ MGR DJB	BORING NUMBER GP-3/TW-3
BORING DRILLED BY FIRM: On-Site Environment	al, inc.		CREW CHIEF TONY	LAST NAM	IE:
DATE DRILLING STARTED 4/8/04	DATE DRILLING COMPLE	TED 4/8/04	LOCATION DESCRIP		T7N R21E
DRILLING METHOD Direct Push	BOREHOLE DIAMETER	1" diameter			
FACILITY ID COUNTY	Milwaukee	COUNTY CODE 41	TOWN/CITY/OR VIL	LAGE Milwoul	«ee

D	EPTH	LAB SAMPLE	DESCRIPTION	USCS	PID
1			Light brown silty clay, trace gravel and sand, some fill (organics and coal fragments)		4
3			Brown silty clay, trace gravel and sand		<1
5			Brown silty clay, trace gravel and sand		4
7			Brown silty clay, trace gravel and sand		<1
9			Brown silty clay, trace gravel and sand		<1
10 11 12			Brown silty clay, trace gravel and sand		<1
13			Grayish—brown silty clay, trace gravel and sand		<1
15			Groy silty clay, trace grave! and sand		<1
17			Groy silty cloy, troce gravel and sand		<1
19 -			Gray silty clay, trace gravel and sand -		<1
21	픨		End of Boring at 20 feet		



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PROJECT NAME Greenebourn Tonnery	Property			PROJ MGR DJB	BORING NUMBER GP-4
BORING DRILLED BY FIRM: On—Site Environmer	tal, Inc.		EW CHIEF TONY	LAST NAM	E:
DATE DRILLING STARTED	DATE DRILLING C	OMPLETED	LOCATION DES	SCRIPTION	
4/8/04		4/8/04	NW 1/4	NE 1/4 SEC 1	T7N R21E
Direct Push	BOREHOLE DIAME	TER 1" diameter			
FACILITY ID COUNTY	Milwaukee	COUNTY CODE 41	TOWN/CITY/OF	VILLAGE Milwoul	ee

DEPTH LAB SAMPLE 12" Gravel Light brown sitty clay with trace gravel and sand (probable fill) 2 Light brown sitty clay with trace gravel and sand (probable fill) 3 Light brown sitty sand with trace gravel and sand (probable fill) 4 Light brown silty sand with trace gravel 5 Light brown silty sand with trace gravel 6 Light brown silty sand with trace gravel 8 Light brown silty sand with trace gravel, some black staining 9 Light brown silty sand with trace gravel, stained 10 Black silty sand with trace gravel and sand 11 Blackish-brown silty clay with trace gravel and sand 2 Brown silty clay with trace gravel and sand 4 Light brown silty clay with trace gravel and sand 10 Light brown silty clay with trace gravel and sand 11 Blackish-brown silty clay with trace gravel and sand 12 Brown silty clay with trace gravel and sand 13 Light brown silty clay with trace gravel and sand 14 Light brown silty clay with trace gravel and sand 2 Light brown silty sand with trace gravel and sand 2 Light brown silty sand with trace gravel and sand 2 Light brown silty sand with trace gravel and sand 2 Light brown silty sand with trace gravel and sand 2 Light brown silty sand with trace gravel and sand 3 Light brown silty sand with trace gravel and sand 4 Light brown silty sand with trace gravel and sand sand sand sand sand sand sand					
Light brown silty clay with trace gravel and sand (probable fill) Light brown silty clay with trace gravel and sand (probable fill) Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel, stained Black silty sand with trace gravel and sand Srown silty clay with trace gravel and sand End of Boring at 14 feet	D	PTH LAB SAMPLE	DESCRIPTION	USCS	PID
Light brown silty clay with trace gravel and sond (probable fill) Light brown silty clay with trace gravel and sond (probable fill) Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel, stained Black silty sand with trace gravel and sand Srown silty clay with trace gravel and sand End of Boring at 14 feet	Ω			,	,
Light brown silty clay with trace gravel and sand (probable fill) Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel stained Black silty sand with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet	•	=			i
Light brown silty clay with trace gravel and sand (probable fill) Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel stained Black silty sand with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet		\exists	Light brown silty clay with trace gravel and sand (probable fill)		
Light brown silty clay with trace gravel and sand (probable fill) Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel and sand Black silty sand with trace gravel and sand Brown silty clay with trace gravel and sand Can be a support of the same of the sa	1			[< 1
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Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some block staining Light brown silty sand with trace gravel, some block staining Block silty sand with trace gravel, stained Blockish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet End of Boring at 14 feet		\exists	Light brown silty clay with trace gravel and sand (probable fill)		
Light brown silty sand with trace gravel Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some block staining Light brown silty sand with trace gravel, some block staining Block silty sand with trace gravel, stained Blockish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet End of Boring at 14 feet	٦	_=			
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Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel and sand Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet End of Boring at 14 feet		=	acign blom bary barie with trace grown		1
Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel and sand Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet	5	- □		ļ	<1
Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel and sand Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet		3			
Light brown silty sand with trace gravel Light brown silty sand with trace gravel, some black staining Light brown silty sand with trace gravel, some black staining Black silty sand with trace gravel and sand Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet	6	_=			
Column C	U		Light brown silty sand with trace gravel		
Black silty sand with trace gravel, some black staining Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet	_				
Company of the comp	7	-			<1
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Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet	8				
Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet		7	Light brown silty sand with trace gravel, some black staining		
Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand End of Boring at 14 feet End of Boring at 14 feet	0	_=			
Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet Find of Boring at 14 feet 15 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19	9				<1
Black silty sand with trace gravel, stained Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand C1 End of Boring at 14 feet Find of Boring at 14 feet 15 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19					
11	10		Plant with and with trans around strings		
Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand 13		.=	Black silty sand with trace gravel, stained		
Blackish-brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand 13	11				10
Brown silty clay with trace gravel and sand <1		=	Blackish—brown silty clay with trace gravel and sand		
Brown silty clay with trace gravel and sand <1	12	=			
13 — End of Boring at 14 feet 15 — 16 — 17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19	12		Brown silty clay with trace gravel and sand		
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17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19	13				<1
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17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19		=	End of Boring at 14 feet		
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17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19	. 15	3			
17 — 18 — 19 — 19 — 19 — 19 — 19 — 19 — 19		=			
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PROJECT NAME Greenebaum Tannery Pr	operty			PROJ MGR DJB	BORING NUMBER GP-5	
BORING DRILLED BY FIRM: On-Site Environment	al, Inc.		CREW CHIEF TONY	LAST NAM	E:	
DATE DRILLING STARTED	DATE DRILLING COMPLETED		LOCATION DESCRIP	LOCATION DESCRIPTION		
4/8/04		4/8/04	NW 1/4 NE	1/4 SEC 1	T7N R21E	
Direct Push	BOREHOLE DIAMETER	diameter				
FACILITY ID COUNTY	Milwaukee	COUNTY CODE	TOWN/CITY/OR VILL	AGE Milwauk	ee	

DE	PTH	LAB SAMPLE	DESCRIPTION	uscs	PID
0				1	1
	Ξ	3	Assorted fill		
1 -	_=		Brownish-black silty clay, trace gravel and sand		<1
•	=	₫		}	``
2 -	=				
2 '	=		Brownish-black silty clay, trace gravel and sand		
7	=				ĺ
J .		3			<1
	=	1			
4 .			Brown silty sand with trace gravel		
	Ξ	3			
5 -					<1
	_	4	·		
6 -			Drawn either and with trace proval and alou		
	_	4	Brown silty sand with trace gravel and clay		
7 .		1			<1
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8 -	_	ļ			
	_	1	Brown silty clay with trace gravel and sand		
9 -	_=	}			<1
	=	‡			<u> </u>
10 -					
10	_		Brownish—gray silty clay with trace gravel and sand		
11	=	1			<1
11 -	_	}		İ	< 1
	_				
12 -	_				
	Ξ		Grayish—brown silty clay with trace gravel and sand	ļ	
13 -		1			<1
	_				
14 -	<u> </u>	· · · · · · · · · · · · · · · · · · ·	Casalah hasaa alika alaa alika kasaa sasaal aad aasal		
	=		Grayish—brown silty clay with trace gravel and sand		
15 -	_=				
	_	1	End of Boring at 15 feet		
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PROJECT NAME Greenebaum Ta	nnery Property			PROJ MGR DJB	BORING NUMBER GP-6
BORING DRILLED BY FIRM: On-Site Envi	ronmental, Inc.		REW CHIEF TORY	LAST NAM	E:
DATE DRILLING STARTED 4/8/04	DATE DRILLING CO	DMPLETED 4/8/04	NW 1/4 N	RIPTION IE 1/4 SEC 1	T7N R21E
DRILLING METHOD Direct Push	BOREHOLE DIAMET	ER 1" diameter			
FACILITY ID	COUNTY Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwauk	cee

DEPTH LAB SAMPLE DESCRIPTION	USCS	PID
	1 0303	1 . 10
0 Fill material		
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	1	<1
2 Brown silty clay with trace gravel and sand		
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¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬		<1
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Brown silty clay with trace gravel and sand		
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5 —		<1
6 =		
Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand Brown silty clay with trace gravel and sand		
7 <u> </u>		
	Į	<1
8 — — — — — — — — — — — — — — — — — — —		
Brown silty clay with trace gravel and sand		
9 _=		3
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End of Boring at 10 feet		i
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PROJECT NAME Greenebaum Ta	nnery Property			PROJ MGR BORING NUMBER DJB GP-7
BORING DRILLED BY FIRM: On-Site Envi	ronmental, Inc.		CREW CHIEF Tony	LAST NAME:
DATE DRILLING STARTED	DATE DRILLIN	G COMPLETED	LOCATION DESC	CRIPTION
4/8/04	İ	4/8/04	NW 1/4 N	NE 1/4 SEC 1 T7N R21E
DRILLING METHOD Direct Push	BOREHOLE DI	AMETER 1" diameter		
FACILITY ID	COUNTY Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwaukee

DEF	тн	LAB SAMPLE	DESCRIPTION	USCS	PID
0			Fill material		<1
2 -		······································	Brown silty clay with trace gravel and sand		
3 -					<1
5 -			Brown silty clay with trace gravel and sand		<1
7 –			Brown silty clay with trace gravel and sand		<1
8 - 9 -			Brown silty clay with trace gravel and sand		3
10 - 11 - 12 -			End of Boring at 10 feet		
13 -					
15 —					
16 — 17 —					
18 — 19 —			•		
20 — 21					

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PROJECT NAME Greenebaum Tann	nery Property		· · · · · · · · · · · · · · · · · · ·	PROJ MGR BORING NUMBER DJB GP-8	
BORING DRILLED BY FIRM: On-Site Enviro	nmental, Inc.		REW CHIEF Tony	LAST NAME:	
DATE DRILLING STARTED	DATE DRILLING COM	PLETED	LOCATION DE	SCRIPTION	Π
4/8/04		4/8/04	NW 1/4	NE 1/4 SEC 1 T7N R21E	
Direct Push	BOREHOLE DIAMETER	1" diameter			
FACILITY ID	Milwaukee	COUNTY CODE -	TOWN/CITY/O	R VILLAGE Milwaukee	_

DE	PTH LA	B SAMPLE	DESCRIPTION	USCS	PID
0				,	
1 -			Gravel Light brown silty clay, trace gravel and sand		<1
3 -			Light brown silty clay, trace gravel and sand		<1
5 -			Light brown silty clay, trace gravel and sand		<1
6 - 7 -		-	Brown silty clay, trace gravel and sand		<1
9 -			Brown silty clay, trace gravel and sand		<1
10 -			Brownish—gray silty clay, trace gravel and sand		<1
12 - 13 -	\exists		Brownish—gray silty clay, trace gravel and sand		<1
15 -			Gray silty clay, trace gravel and sand		<1
17 -			Gray silty clay, trace gravel and sand		<1
19 -			Gray silty clay, trace gravel and sand		<1
20 -			End of Boring at 20 feet		

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PROJECT NAME Greenebaum Tannery Pro	perty			PROJ MGR DJB	BORING NUMBER GP-9
BORING DRILLED BY FIRM: On-Site Environmenta	l, Inc.		CREW CHIEF Tony	LAST NAM	E:
DATE DRILLING STARTED	DATE DRILLING COMPLET	TED	LOCATION DESCRIP	TION	 -
4/8/04		4/8/04	NW 1/4 NE	1/4 SEC 1	T7N R21E
Direct Push	BOREHOLE DIAMETER	" diameter			
FACILITY ID COUNTY	filwaukee	COUNTY CODE 41	TOWN/CITY/OR VILL	AGE Milwouk	ee

DEP	TH LAB SAMPLE	DESCRIPTION	USCS	PID
0			1	1
1 —		4" Concrete 8" Base course		<1
2 —	=	4" Base course		
3 —		8" Brown silty sand with some gravel		<1
4 — 5 —		Brown silty sand with trace gravel and sand		<1
6 — 7 — 8 —		Brown silty sand with trace gravel and sand	-	<1
9 —		Brown silty sand with trace gravel and sand		<1
11 —		Brown silty sand with trace gravel and sand		10
12 — 13 —		Brown silty sand with trace gravel and sand		<1
14 — 15 —		Brown silty sand with trace gravel and sand End of Boring at 15 feet		<1
16 —	<u> </u>			
17 — 18 —				
19 —		-		
20 — 21 -				

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PROJECT NAME Greenebaum Tann	nery Property			PROJ MGR DJB	BORING NUMBER GP-10
BORING DRILLED BY FIRM: On-Site Enviro	inmental, Inc.		EW CHIEF Tony	LAST NAM	E:
DATE DRILLING STARTED 4/8/04	DATE DRILLING CO	MPLETED 4/8/04	NW 1/4 N	RIPTION E 1/4 SEC 1	T7N R21E
Direct Push	BOREHOLE DIAMET	ER 1" diameter			
FACILITY ID	COUNTY Milwoukee	COUNTY CODE 41	TOWN/CITY/OR N	rillage Milwouk	ee

DE	PTH	LAB SAMPLE	DESCRIPTION	uscs	PID
0				1	1
			4" Concrete		
1 -			8" Base course		<1
	\equiv				
2 -					
_	=		Light brown silty clay with trace sand and gravel		
3 -					
					<1
4 -	=				
7			Brown silty clay with trace sand and gravel		
5 -	=				_,
5 -					<1
6 -	=				
0 -			Brown silty clay with trace sand and gravel		
-	=	•			
7 -				ļ	<1
_	\exists				
8 -	_		Brown silty clay with trace sand and gravel		
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9 -					<1
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10 -					
	· =	_	Brown silty clay with trace sand and gravel		
11 -		-			4
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PROJECT NAME Greenebaum Tannery P	roperty			PROJ MGR DJB	BORING NUMBER GP-11
BORING DRILLED BY FIRM: On-Site Environment	al, Inc.		EW CHIEF Tony	LAST NAM	E:
DATE DRILLING STARTED	DATE DRILLING CO	DMPLETED	LOCATION DESC	RIPTION	
4/8/04		4/8/04	NW 1/4 N	IE 1/4 SEC 1	T7N R21E
Direct Push	BOREHOLE DIAMET	1" diameter			
FACILITY ID COUNTY	Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwauk	kee

DE	PTH LAB SAMPLE	DESCRIPTION	USCS	PID
0				T
	\exists	6" Topsoil		
1 -	_=	Light brown silty clay with trace gravel and sand		<1
	=			, ,
2 -				<u> </u>
_		Light brown silty clay with trace gravel and sand		
3 .			ĺ	<1
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4.				
•	=	End of boring at 4 feet	İ	
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3	ENVIRONMEN	IAL INC.										
PROJECT N	NAME Greenel	baum Tai	nnery Pro	perty						PROJ MCR DJB	BORING NUMB	BER
BORING DE	RILLED BY FIRM: On-	Site Envi	ronmental	, Inc.			CREW CH	HIEF Tony		LACT MAN	F.	
DATE DRILL	LING STARTED			DATE DRILLING C	COMPLETE	D	FIRST NA	LOCATION DES				
DRILLING N	AFTHOD	4/8/04		BOREHOLE DIAME	ETER	4/8/04		NW 1/4	NE I	74 SEC I	T7N R21E	
FACILITY ID	Direct	Push	COUNTY		1	diameter	- 1	TOWN/CITY/OF	MILAC			
PACIEITI ID	,		М	ilwaukee		41			VILLAG	Milwauk	ee	
DEPTH	LAB SAMPLE	1				DESCRIPTION					USCS	PID
0 —	-	8" Tops	oil									
1 _=		Light br	own silty	clay with tro	oce gra	vel and sand	4					<1
· =												
2 =		Light bro	own silty	clay with tro	ice gra	vel and sand						
3 —												<1
4 ==												
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PROJECT NAME Greenebaum Tani	nery Property			PROJ MGR DJB	BORING NUMBER
BORING DRILLED BY FIRM: On-Site Enviro	onmental, Inc.		W CHIEF Tony	LAST NAM	E:
DATE DRILLING STARTED 4/8/04	DATE DRILLING C	OMPLETED 4/8/04	NW 1/4 N	CRIPTION NE 1/4 SEC 1	T7N R21E
DRILLING METHOD Direct Push	BOREHOLE DIAME	TER 1" diameter			
FACILITY ID	Milwaukee	COUNTY CODE 41	TOWN/CITY/OR	VILLAGE Milwouk	kee

DE	PTH	LAB SAMPLE	DESCRIPTION	USCS	PID
0		ī		ī	
	=		6" Topsoil Light brown silty clay with trace gravel and sand		
1 -			l light brown sitty clay with trace grover and solid		<1
	=				
2 -			Light brown silty clay with trace gravel and sand		
	Ξ		light brown siity cloy with trace grover and sand		ĺ
3 -	=				<1
	Ξ				
4 -	_				-
			End of boring at 4 feet		
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NO.	TES:	•			

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Mana	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	GREENE BOOK & TANDERS TROPERS
Common Well Name GP-5 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
	Street Address of Well
$N \omega$ 1/4 of $N \varepsilon$ 1/4 of Sec. /; T. $\overline{7}$ N; R. 2 ω ε Grid Location	4763 N. 32 NO ST
	(City Village, or Town
ft.	MILLUROLEE WI
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	
S C N	Street Address or Route of Owner
St. Plane ft. N. ft. E. L. Zone Reason For Abandonment WI Unique Well No.	City, State, Zip Code
SAMPLING Complete of Replacement Well	0.0,, 0.00, 2.0
	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
	Pump & Piping Removed? Yes No Not Applicable
Original Construction Date 4/8/04	Liner(s) Removed? Yes No Not Applicable
Monitoring Well If a Well Construction Report	Screen Removed? Yes No Not Applicable
is available, please attach.	Casing Left in Place? Yes No
⊠ Borehole / Drillhole	Was Casing Cut Off Below Surface? Yes No
Construction Type:	Did Sealing Material Rise to Surface? Yes No
☐ Drilled . ☐ Driven (Sandpoint) ☐ Dug	Did Material Settle After 24 Hours? Yes No
Other (Specify) DIRECT PUSH (1")	If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
☐ Unconsolidated Formation ☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Deoth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain)
(Town and Justice)	(Bentonite Chips)
Cashing Depth (Na)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Neat Cement Grout monitoring well boreholes only Sand-Cement (Concrete) Grout □ □ Personite China
Was Well Annular Space Grouted? Yes No Unknown	E Compa
If Yes, To What Depth? Feet	Clay-Sand Shurry (11 lb/gal, wt.)
if ies, to what Dephit:	Bentonite-Sand Slurry " " Bentonite - Cement Grou
Depth to Water (Feet)	☐ Bentonite Chips ☐ Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) Sacks Sealant One) Or Mind Weight
(5) Wakital Osci 10 I ii Weliphiniole	rrom (FL) 10 (FL) Sacks Seather One) or Mud Weight
2	Surface 15 0.5-134%
KENTANITE	7 0: 7349
	·
(6) Comments:	
(O) Comments.	
(7) Name of Person or Firm Doing Sealing Work Date of Abandons	FOR DNR OR COUNTY USE ONLY
Druce Entitronnementar 4/8/04	Date Received: Noted By
Signature of Dernon Doring Work Date Signed	
Street or Rouse Telephone Number	Commente of the comment of the comme
Street or Rouse Telephone Number 6960 N-TENTOWER (4!4) 35400	
City, State, Zip Code	
MT wheres, WI. 53209	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Waters	thed/Wastewater 🔲 Waste Mana				
(1) GENERAL INFORMATION		(2) FACIL	ITY/OWN	ER INFORM	ATION
WI Unique Well No. DNR Well ID No). County	Facility Na		 .	
_		GREEN	E local m	アンコーロン	tesper
69-6		Facility ID			ermit/Monitoring No.
Common Well Name 69-6	Gov't Lot (If applicable)			1	_
NW 1/4 of NE 1/4 of Sec. /	_ フ xp 21 図 E	Street Add	ress of Well		
<u>NW</u> 1/4 of <u>NE</u> 1/4 of Sec/	; T N; R w	4267	N. 32	NO 5-	
Grid Location			ge, or Town	_ = -	
fi. 🗌 N. 🔲 S., _	ft. 🗌 E. 🗌 W.		roles.	1 17	
Local Grid Origin (estimated:) or Well Location				ginal Owner
· 🗀 · –		Present We	ii Owner	lon,	ginai Owner
Lat Long	oror				
	S C N		ress or Route	of Owner	
St. Planeft. N					
Reason For Abandonment WI	Unique Well No.	City, State,	Zip Code		
SAMPLENS COMPLETE OFR	eplacement Well	ļ			
(3) WELL/DRILLHOLE/BOREHOL	E INFORMATION	(4) PUMP.	LINER, SC	REEN, CASI	ng, & sealing materia
			& Piping Rem		Yes No Not Applicabl
Original Construction Date <u>4/8</u> /	09		g Piping Rem Removed?		= = :
Monitoring Well					Yes No Not Applicabl
☐ Water Well	f a Well Construction Report		Removed?	. =	Yes 🔲 No 🗍 Not Applicabl
Borehole / Drillhole	s available, please attach.	Casing	Left in Place	<u> </u>	Yes No
		Was Ca	sing Cut Off	Below Surface?	Yes No
Construction Type:	<u> </u>	1	•	Rise to Surface	_ = =
☐ Drilled ☐ Driven (S	Sandpoint) Dug	Ī	_		
K Other (Specify) DINECT	- Pu (14 (1")	1		After 24 Hours?	Yes No
•		If Ye	s, Was Hole F	Retopped?	Yes No
Formation Type:	<u></u>	Require	d Method of	Placing Scaling	Material
Unconsolidated Formation	☐ Bedrock	ПСоп	ductor Pipe-C	Gravity T	Conductor Pipe-Pumped
_		_ =	eened & Pour	• =	Other (Explain)
Total Well Depth (ft.) Ca	sing Diameter (m.)		entonite Chip		Cam (Expense)
(From groundsurface) Ca	sing Depth (ft.)	Sealing	Materials		For monitoring wells and
			t Cement Gro	mt	monitoring well boreholes on
Lower Drillhole Diameter (in.)		_ =		oncrete) Grout	
Was Well Annular Space Grouted?	□ Ves □ No □ Unknown	==	•	MCIELE) CIOU	Bentonite Chips
		=	crete		Granular Bentonite
If Yes, To What Depth?	Fest	= -	•	(11 lb/gal wt)	Bentonite - Cement Gro
		∐ Ben	tonite-Sand S	luny " "	i =
Depth to Water (Feet)		☐ Ben	tonite Chips	,,	Bentonite - Sand Slurry
(5) Material Used To Fill V	Vall/Delibale	E (E+)	77- (5-1)	No. Yards, Sacks Sealant	(Circle Mix Ratio
(5) WARRIAN USER TO FIN	Well/Dillillole	From (Ft.)	To (Ft.)	or Volume	One) or Mud Weight
		Surface	. 2	- 1-10	5
BENTONITE		JULIACE	1/0	0.5-13	42
	·		1		
			1		1
			1		1
6) Comments:					
7) Name of Person or Firm Domg Sealin	g Work Date of Abandonr				
Druce ENTRONNENTAL	4/8/04				INTY USE ONLY
Signature of Person Doing Work	Date Signed	Date	Received	Noted	By Taring Taring
2 (27.12	14/27 / nr	22.00			
14400	4/27/04 Telephone Number	— Com	ments	garang pangang	
Street or Route		1120 m 31 1220 m 31			
6980N-TENOWER	(414)35HU4D				
City, State, Zip Code	•				
MAD WHITEK WI. 53209					

State of Wisconsin Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Mana	gement Remediation/Redevelopment Other
(1) GENERAL INFORMATION	(2) FACILITY / OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	GREENE BOWN TANNERS TROPERTY
Common Well Name P-7 Gov't Lot (If applicable	Facility ID License/Permit/Monitoring No.
$\frac{AU}{C}$ 1/4 of $\frac{AE}{D}$ 1/4 of Sec. /; T. $\frac{7}{2}$ N; R. $\frac{2}{2}$ $\frac{E}{D}$ W	4763 N. 32 NO ST
ft.	City Village, or Town MILLWAULEE. WI
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat tong or St. Plane ft. N ft. E. □□□□ Zone	Street Address or Route of Owner
St. Planeft. Nft. E Zone Reason For Abandonment WI Unique Well No.	City, State, Zip Code
SAMPLIAS COMPLETE Of Replacement Well	City, State, Zip cose
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 4/8/04	Pump & Piping Removed? Yes No Not Applicable Liner(s) Removed? Yes No Not Applicable
Monitoring Well	
Water Well If a Well Construction Report is available, please attach.	Screen Removed? Yes No Not Applicable Casing Left in Place? Yes No
Borehole / Drillhole	Was Casing Cut Off Below Surface? Yes No
Construction Type:	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	· = =
(Specify) DIRECT Pulity (1")	Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
☐ Unconsolidated Formation ☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (m.)	Screened & Poured Other (Explain) (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	Next Cement Grout monitoring well boreholes only
 	Sand-Cement (Concrete) Grout Bentonite Chips
Was Well Annular Space Grouted? Yes No Unknown	☐ Concrete ☐ Granular Bentonite
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb/gal. wt.) Bentonite - Cement Grou
Depth to Water (Feet)	Bentonite-Sand Slurry " " Bentonite - Sand Slurry Bentonite - Bent
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) Sacks Sealant One) Or Mud Weight
BENTENETE	Surface 10 0.5-1342-
(6) Comments:	
(O) Comments.	
(7) Name of Person or Firm Domg Sealing Work Date of Abandon:	ment
Druce Enterownering 4/8/04	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
10/22/04	
Street or Rodie Telephone Number	The state of the s
6980 N.TENOWER (414) 354440	
City, State, Zip Code MELWALLER, WI. 53209	
IVIT DUFFULCU, WE	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Manag	
(1) GENERAL INFORMATION	(2) FACILITY/ OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	GREENE BOOK IN TRADERY TRAPERTY
Common Well Name $6p-9$ Gov't Lot (If applicable)	
AW 1/4 of NE 1/4 of Sec. /; T. 7 N; R. 21 W E Grid Location	Street Address of Well
$N \omega 1/4$ of $N \varepsilon 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ of $S \varepsilon \varepsilon = 1/4$ o	4763 N. 32 NO ST
	(City:)Village, or Town
fi. N. S.,fi. E W.	MIZZWAOLEE. WI
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	Street Address or Route of Owner
St. Planeft. Nft. E Zone	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
SAMPUTAR COMPLETE Of Replacement Well	
	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
	Pump & Piping Removed? Yes No Not Applicable
Original Construction Date 4/8/04	Liner(s) Removed? Yes No Not Applicable
Monitoring Well	
Water Well If a Well Construction Report	Contract to the Marris
Borehole / Drillhole is available, please attach.	Casing Left in Place? Yes No
	Was Casing Cut Off Below Surface? Yes No
Construction Type:	Did Sealing Material Rise to Surface? Yes No
Diver (Sampont)	Did Material Settle After 24 Hours? Yes No
Other (Specify) DIRECT PUIN (1")	If Yes, Was Hole Resopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
☐ Unconsolidated Formation ☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Deoth (ft.) Casing Diameter (in.)	Screened & Poured Other (Explain)
(Tour mountains)	(Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	☐ Neat Cement Grout monitoring well boreholes only ☐ Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted?	D Community Chips
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb/gal. wt.)
1. 101, 10 William 20 pt.	Bentonite-Sand Slurry " " Bentonite - Cement Grout
Depth to Water (Feet)	☐ Bentonite Chips ☐ Bentonite - Sand Slurry
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Scalamt One) Or Mud Weight
	or Volume One) of Mad Weight
BENTENETE	Surface 15 0.5-1342
(6) (6)	
(6) Comments:	
(7) Name of Person or Firm Domg Scaling Work Date of Abandonr	FOR DNR OR COUNTY USE ONLY
Druce ENTRONNENTAL 4/8/04	
Signature of Person Doint Work Date Signed 4/27/04	Date Received Noted By
11/22/04	
Street or Route Telephone Number	Comments
6980NTENTOWER (414)354040	The second section of the section of the section
City, State, Zin Code	
MATINUMPHES. WI. 53209	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Watershed/Wastewater Waste Mana	
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
WI Unique Well No. DNR Well ID No. County	Facility Name
	Greens Bount Inder troper
Common Well Name 6P-16 Gov't Lot (If applicable)	Facility ID License/Permit/Monitoring No.
$\frac{A \cup 1/4 \text{ of } \sqrt{E}}{\text{Grid Location}}$ 1/4 of Sec. / ; T. $\frac{7}{2}$ N; R. $\frac{2}{2}$ W	Street Address of Well 4763 N. 32 NO ST
f.	CityウVillage, or Town MTンいのひとこ、WI
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat tong or St. Plane ft. N ft. E.	Street Address or Route of Owner
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
SAMPLENS COMPLETE OF Replacement Well	
	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 4/8/04	Pump & Piping Removed? Yes No Not Applicable
_	Liner(s) Removed? Yes No Not Applicable
Monitoring Well If a Well Construction Report	Screen Removed? Yes No Not Applicable
is available, please attach.	Casing Left in Place? Yes No
⊠ Borehole / Drillhole Construction Type:	Was Casing Cut Off Below Surface? Yes No
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Sealing Material Rise to Surface? Yes No
Other (Specify) DIRECT PULIN (1")	Did Material Senle After 24 Hours? Yes No
	If Yes, Was Hole Recopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
☑ Unconsolidated Formation ☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) Casing Diameter (in.)	Screened & Poured (Bentonite Chips)
(From groundsurface) Casing Depth (ft.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.)	☐ Neat Cement Grout monitoring well boreholes only ☐ Sand-Cement (Concrete) Grout
W25 Well Annular Space Grouted?	Concerte Demonite Citys
If Yes, To What Depth? Feet	Clay-Sand Shurry (11 lb/gal, wt.)
-	☐ Bentonite-Sand Slurry " " ☐ Bentonite - Cement Grou
Depth to Water (Feet)	Bentonite Chips Bentonite - Sand Slurry No. Yards. (Circle) Min Beside
(5) Material Used To Fill Well/Drillhole	From (FL) To (FL) No. Yards, (Circle One) or Volume No. Yards, (Circle One) or Mud Weight
BENTANTE	Surface 12 0.5-BAZ
(() ()	
(6) Comments:	
(7) Name of Person or Firm Doing Sealing Work Date of Abandonr	
Erres Enterownermy 4/8/04	FOR DNR OR COUNTY USE ONLY
Signamry of Person Doing Work Date Signed 4/27/04	Date Received Noted By
Street or Route Telephone Number	Comments
6980N-TENTOWER (414)354440	
City State 7 in Code	
METUMULES, WI. 53209	· Part (大学 (Andrew Part) The part of t

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Water	rshed/Wastewater	Waste Mana	gement 🔯	Remediation/	Redevelopm	ent DOthe	л	
(1) GENERAL INFORMATION				ITY/OWN	ER INFOR	MATION		
WI Unique Well No. DNR Well ID N	io. County		Facility Na	_ ~ =				
		·- ··· · · · · · · · · · · · · · · · ·		15 lacous m				
Common Well Name 69-11					License	/Permit/Mor	nitoring N	io.
AW 1/4 of WE 1/4 of Sec. /	'; T. 7 N;	R <u>21</u> □ w		ress of Well N. 32	40 ST			
fl. 🔲 N. 🔲 S.,	ft	. 🗆 E. 🗆 w.		ge, or Town				
Local Grid Origin (estimated:			Present We	NOLES.		Original Ow	ner	
Lat Lon	ıg	or						
St. Planeft. N		. DDZone		ress or Route	of Owner			
<u> </u>	Unique Well No.		City, State,	Zip Code	_			
370, 00, 33.	Replacement Well							
(3) WELL/DRILLHOLE/BOREHO	LE INFORMATI	ION	(4) PUMP,	LINER, SC	CREEN, CA	SING, & S		MATERIAL
Original Construction Date 4/8	104			k Piping Rem	loved?] Yes 🔲 🛚	No 🔲 1	Not Applicable
Monitoring Well) Removed?				Not Applicable
Water Well	If a Well Constru		1	Removed? Left in Place	, [= ==	_	Not Applicable
⊠ Borehole / Drillhole	is available, pleas	e attach.		sing Cut Off	_		No Yes □ N	
Construction Type:	-	7	i e	aling Material			Yes 🖂 1	_
☐ Drilled ☐ Driven (] Dug	1	uerial Settle A		===	Yes	
Other (Specify) DINEC	FPUSH / 1"	<u> </u>	ŀ	s, Was Hole F		<u></u>	Yes 1	
Formation Type:			Require	ed Method of	Placing Scal		<u></u>	
Unconsolidated Formation	☐ Bedrock			ductor Pipe-C	_	Conductor		mped
Total NEW Death (fr.)	asing Diameter (in	,)	☐ Scre	eened & Pour	ed [Other (Ex	•	•
(T				entonite Chip	s)			
	asing Depth (ft.)			Materials			_	wells and
Lower Drillhole Diameter (in.)			==	t Cement Gro d-Cement (Co			mng wen	boreholes only
Was Well Annular Space Grouted?	☐ Yes ☐ No	Unknown		erete	marke) Oroc	! 💾 "	Bentonite	•
If Yes, To What Depth?			=	/-Sand Slurry	(11 lb/gal.	wt) ; 🔼	Granular I	
11 103, 10 William Depair.			$=$ \cdot	tonite-Sand S		Í	3entonite	- Cement Grout
Depth to Water (Feet)			☐ Ben	tonite Chips	· · · · · · · · · · · · · · · · · · ·			- Sand Slurry
(5) Material Used To Fill	Well/Drillhole		From (FL)	To (FL)	No. Yaro Sacks Seal or Volum			Aix Ratio Aud Weight
7			Surface	11	1 00	1342		
BENTONITE				7	0.5	3421		
	•					}		
						1		
(6) 6						***		
(6) Comments:								
(7) Name of Person or Firm Domg Sealin	ne Work	Date of Abandons	nen!					
		4/8/04		FOI	NOR OR C	OUNTY US	E ONLY	ري خوان فيسورت دري و (practical) . در دري در دري دري دري دري دري دري دري در
ERAKE ENTIRONMENTAL Signature of Person Doing Work	Date Si		- Date	Received	Mot			District Con California
Children work	4/2	7/04	Aprel 4					
Street or Route	Telephone Num	ber	— Com	ments			The P	
6980NITENTONIA	(414)357							
City, State, Zin Code	\ 							
MILWHULES, WI. 5320	7				or of percental	. •	en de la compania de la compania de la compania de la compania de la compania de la compania de la compania de	and the country states of the

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

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Route to: Drinking Water Water	rshed/Wastewater 🔲 Waste Manaj	gement 🔯	Remediation/	Redsvolopn	ıent 🗆 Oth	cr
(1) GENERAL INFORMATION		(2) FACIL	ITY/OWN	ER INFO	RMATION	
WI Unique Well No. DNR Well ID N	io. County	Facility Na	ame			
		6REEN	E LOOKI IN	1=LUXS	يب المركبة	
Common Well Name 68-12		Facility ID		Licens	e/Permit/Mo	onitoring No.
NW 1/4 of NE 1/4 of Sec. /	<u>/ : т. 쿠 N;R. 21 </u> 델 ^E		ress of Well			
Grid Location	W		N. 32	70 ST		
f \square N \square S.	ft. 🗆 E. 🗔 W.		ge, or Town			
			roles.	ω_{l}		
Local Grid Origin (estimated:		Present We	ll Owner		Original Ov	<i>×</i> ner
Lat Lon	rg or	0		-10		
Ct Plans ft N	# F DOD Zono		ress or Route	of Owner		
St. Plane ft. N ft. N [W]	Unique Well No.	City, State,	7 in Code			
ا	Replacement Well	City, State,	Zip Code			
(3) WELL/DRILLHOLE/BOREHO		(4) DIDMD	TIMED SC	TREEN C	CINC & C	EALING MATERIAL
Original Construction Date 4/8	<u> </u>		E Piping Rem	loved?	Yes [No Not Applicable
Monitoring Well			Removed?	<u>[</u>	Yes 🔲	No Not Applicable
□ water well	If a Well Construction Report		Removed? Left in Place	, [Yes	No Not Applicable
Borehole / Drillhole	is available, please attach.	Casing	LEIL III. I IACC	`	Yes 📗	No
Construction Type:		Was Ca	sing Cut Off	Below Surf	ace?	Yes No
	Sandpoint) Dug	Did Sea	aling Material	Rise to Sur	face?	Yes 🔲 No
,	Samponic) —	Did Ma	ucrial Settle A	After 24 Hot	rrs?	Yes 🔲 No
Other (Specify) DINEC	F FUSIN / I /	If Y∈	s, Was Hole F	Retopped?		Yes No
Formation Type:		Require	d Method of	Placing Sea	ling Materia	1
Unconsolidated Formation	☐ Bedrock		ductor Pipe-C	_		or Pipe-Pumped
_		==	eened & Pour	•	Other (E.	•
	asing Diameter (m.)		entonite Chip			
(From groundsurface) C	asing Depth (ft.)	Sealing	Materials		For m	onitoring wells and
Lower Drillhole Diameter (in.)		☐ Nea	t Cement Gro	ut	monit	oring well boreholes only
		☐ Samo	d-Cement (Co	nacrete) Gro	ш ! П	Bentonite Chips
Was Well Annular Space Grouted?	Yes No Unknown	Con	arete		: -	Granular Bentonite
If Yes, To What Depth?	Feet		y-Sand Slurry		$wt)$ $-\Box$	
		☐ Ben	tonitz-Sand S	lury " "	1 =	Bentonite - Cement Grou
Depth to Water (Feet)		☐ Ben	tonite Chips			Bentonite - Sand Slurry
(5) Material Used To Fill	Well/Drillhole	From (Ft.)	To (FL)	No. Yar Sacks Sea	1	
(b) Wallatia Osca To Till	W Chy Diffinition	11011 (11.)	10 (1 1.)	or Volum		or Mud Weight
$\overline{\cdot}$		Surface	14	100	13421	
BENTANTE				0.3	13421	
			-			
			1	!		!
(6) Comments:						
						
(7) Name of Person or Firm Doing Sealin	ng Work Date of Abandoni					
	l)		FOI	NE OR	COUNTY US	SE ONLY PROPERTY OF
truce Entitrolling NTAY	4/8/04		Received		ted By	
Signature of Person Doing Work	Date Signed					
1 xen yes	4/27/04	Com	ments		all sharing to	
Street or Route	Telephone Number (4/4)35/4040		ments			The state of the s
6980 N. TEVTUNEA	1 (1773377040)	I				And the second of the second
City, State, Zip Code	4				Charles and Charles	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Water	shed/Wastewater Waste N								
(1) GENERAL INFORMATION				ITY/OWN	ER INFOI	KMLATION	<u> </u>		
WI Unique Well No. DNR Well ID N	o. County		ility Na						
	ł	160	<u>. د ج</u> ر	E GOOD IN	アンアリー	5 teno-	2-0		
Common Well Name GP-13	Gov't Lot (If applies	E	ility ID			/Permit/Mo		0.	
AW 1/4 of WE 1/4 of Sec. / Grid Location	; T. 7 N; R. 21	_ 1		ress of Well N. 32	שומ כ				
Grid Location	<u>.</u>				<u>~ 37</u>				
ft. □ N. □ S.,				ge, or Town		<u></u>			
Local Grid Origin (estimated: Lat Long) or Well Location	11	mı We	ll Owner		Original Ov	wner		
	SCN		t Addı	ress or Route	of Owner				
St. Plane ft. N								<u> </u>	
Reason For Abandonment WI	Unique Well No.	City	State,	Zip Code					
SAMPLEUS COMPLETE OFR	Replacement Well								
(3) WELL/DRILLHOLE/BOREHOI	E INFORMATION	(4) P	UMP,	LINER, SC	REEN, CA	SING, & S	EALING	MATERIAL	
				Ł Piping Rem		7 Yes □		ot Applicable	
Original Construction Date $\frac{9/8}{}$	109			Removed?	5 7 667 <u>-</u>		=		
Monitoring Well				Removed?	Ļ	Yes 🔲		lot Applicable	
	If a Well Construction Report			Left in Place	, <u>L</u>	Yes 🔲	_	ot Applicable	
Borehole / Drillhole	is available, please attach.	'	ZZIIIZ	Lett III. Place.		Yes 🗌	No		
Construction Type:		I		sing Cut Off			Yes 🔲 N	0	
Drilled Driven (S	Sandroint) Dug	1	Did Sea	iling Material	Rise to Sur	face?	Yes 🔲 N	Го	
] 1	Did Ma	ucrial Settle A	fi ci 24 Hou	rs?	Yes N	io	
Other (Specify) DINECT	- [0][7] []	<u></u>	If Yes	s, Was Hole F	Retopped?		Yes 🗌 N	o	
Formation Type:			Require	d Metnod of	Placing Sca	ing Materia	<u> </u>		
Unconsolidated Formation	☐ Bedrock		Con	ductor Pipe-C	ravity [Conducto	or Pipe-Purr	iped	
m . 1377 1770 - 1 (6)	i Di (-)	F	Scre	ened & Pour	ed	Other (E	xplain)	-	
(Edfone)	asing Diameter (m.)	-		entonite Chip			1		
C:	esing Depth (ft.)	- :	_ ~	Materials			onitoring v		
Lower Drillhole Diameter (in.)			=	t Cement Gro			coring well	boreholes only	
Was Well Annular Space Grouted?	Yes No Unkno	wn	=	d-Cement (Co crete	mazie) Oroi	! 🖳	Bentonite	•	
If Yes, To What Depth?	Feet	l F	=	/-Sand Slurry	(11 lb./gal.	wt) 💹	Granular B	entonite	
If les, 10 what Deptil!	Feet					```'	Bentonite -	Cement Grou	
Depth to Water (Feet)	_		Bentonite - Sand Slurry " " Bentonite - Cement Grot						
(5) Material Used To Fill	W-11/D-111-1-	-		T- (T-)	No. Yaro Sacks Seal	is, (Circle	M	ix Ratio	
(3) WAREHALOSEG TO FILL	weit/Dimnole	Pion	n (Ft.)	To (FL)	or Volum	e One)	or M	ud Weight	
BENTONITE		Su	rface	4	0.5	BATI	1		
200, 200, 1					,	<u> </u>			
		- 1		ĺ			İ		
6) 6									
6) Comments:									
Name of Person or Firm Doing Sealin	·	donment							
Druce ENTROWNERTH	4/8/04		₩ ¥		DNR OR C			the second second	
Signature of Person Doing Work	Date Signed		Date	Received.	Not	ed By			
Addies	4/27/04							Andrew Commencer	
Street or Route	Telephone Number			ments		4.5.5			
6980N-TENTOWER	(414)354040			Section Control of the Control of th	*** S ****	درمز رومقتلائعهاي رديفاء			
City, State, Zip Code			4	estanti Stanti					
MI WINDER WE. 53209	<i>†</i>			4×	1 100	والمراجعة المحالية المحالية المحالية	and the second second	200 Com. 2000 S	

TABLE 1 (Page 1 of 4) Soil Sample Analytical Results - April 8, 2004 HR Housing Property Milwaukee, Wisconsin

Analytical Parameter	GP-1 2-4' bgs	GP-2 4-6' bgs	GP-3 4-6' bgs	GP-4 10-12' bgs	GP-5 2-4' bgs	GP-6 8-10' bgs	GP-7 8-10' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non-industrial direct contact
GRO (ppm)	<5.88	11.9	<5.95	<6.02	<6.18	<6.06	<5.95	100	NS	NS
DRO (ppni)	5.99	<6.05	<5.95	11.5	10.1	<6.06	<5.95	100	NS	NS
VOCs (ppb)										
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
Bromobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Bromodichloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
tert-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroform	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	, NS	NS
4-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dibromochloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromo-3-chloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromoethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dichlorodifluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4.9	· NS	NS
1,1-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2,2-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Di-isopropyl ether	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	134	<25.0	60.2	<25.0	<25.0	<25.0	2,900	NS	NS
Hexachlorobutadiene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Methylene chloride	<100	<100	<100	<100	<100	<100	<001>	NS	NS	NS
Methyl tert-butyl ether	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	400	20,000

TABLE 1 (Page 2 of 4) Soil Sample Analytical Results - April 8, 2004 HR Housing Property Milwaukee, Wisconsin

Analytical Parameter	GP-1 2-4' bgs	GP-2 4-6' bgs	GP-3 4-6' bgs	GP-4 10-12' bgs	GP-5 2-4' bgs	GP-6 8-10' bgs	GP-7 8-10' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non-industrial direct contact)
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2,2-Tetrachloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	762	<25.0	<25.0	<25.0	1,500	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trimethylbenzenes	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Vinyl chloride	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Total xylenes	<25.0	260	<25.0	276	<25.0	<25.0	<25.0	4,100	NS	NS
PAHs (ppm)										,
Acenaphthene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	<0.119	NS	38	900
Acenaphthylene	<0.235	<0.242	<0.238	<0.241	<0.247	<0.242	< 0.238	NS	0.7	18
Anthracene	<0.118	<0.121	<0.119	< 0.120	<0.124	<0.121	<0.119	NS	3,000	5,000
Benzo(a)anthracene	<0.0588	<0.0605	< 0.0595	<0.0602	<0.0618	<0.0606	<0.0595	NS	17	0.088
Benzo(a)pyrene	<0.00588	<0.00605	<0.00595	<0.00602	<0.00618	<0.00606	<0.00595	NS	48	0.0088
Benzo(b)fluoranthene	<0.0588	< 0.0605	<0.0595	<0.0602	<0.0618	<0.0606	<0.0595	NS	360	0.088
Benzo(ghi)perylene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	< 0.119	NS	6,800	1.8
Benzo(k)fluoranthene	<0.118	<0.121	<0.119	<0.120	< 0.124	<0.121	<0.119	NS	870	0.88
Chrysene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	<0.119	NS	37	8,8
Dibenzo(ah)anthracene	<0.00588	<0.00605	<0.00595	<0.00602	< 0.00618	<0.00606	< 0.00595	NS	38	0.0088
Fluoranthene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	<0.119	NS	500	600
Fluorene	<0.118	<0.121	<0.119	<0.120	< 0.124	<0.121	<0.119	NS	100	600
Indeno(123-cd)pyrene	<0.0588	< 0.0605	< 0.0595	<0.0602	<0.0618	<0.0606	< 0.0595	NS	680	0.088
1-Methylnaphthalene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	<0.119	NS	23	1,100
2-Methylnaphthalene	<0.118	<0.121	< 0.119	<0.120	<0.124	<0.121	<0.119	NS	20	600
Naphthalene	<0.118	<0.121	< 0.119	<0.120	<0.124	<0.121	< 0.119	NS	0.4	20
Phenanthrene	<0.118	<0.121	< 0.119	<0.120	<0.124	<0.121	<0.119	NS	1.8	18
Pyrene	<0.118	<0.121	<0.119	<0.120	<0.124	<0.121	<0,119	NS	8,700	500
RCRA Metals (ppm)									1	
Arsenic	5.80	4.33	9.22	<3.01	6.70	3.34	6.66	0.039	NS	NS
Barium	33.4	49.6	30.4	<30.1	55.2	44.2	<29.8	NS	NS	NS
Cadmium	<0.588	< 0.605	<0.595	<0.602	<0.618	< 0.606	<0.595	8	NS	NS
Chromium	13.9	16.4	28.9	16.0	19.60	16.1	8.54	14	NS	NS
Lead	12.5	12.2	12.6	18.6	11.7	8.50	9.71	50	NS	NS
Mercury	<0.0420	<0.0484	<0.476	<0.0415	0.0789	<0.484	<0.0476	NS	NS	NS
Selenium	<2.94	<3.03	<2.97	<3.01	<3.09	<3.03	<2.98	NS	NS	NS
Silver	<2.94	<3.03	<2.97	<3.01	<3.09	<3.03	<2.98	NS	NS	NS

TABLE 1 (Page 3 of 4) Soil Sample Analytical Results - April 8, 2004 HR Housing Property Milwaukee, Wisconsin

Analytical Parameter	GP-8 2-4' bgs	GP-9 2-4' bgs	GP-10 10-12' bgs	GP-11 2-4' bgs	GP-12 2-4' bgs	GP-13 2-4' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non- industrial direct contact)
GRO (ppm)	<5.89	<6.25	<5.92	<6.44	<5.25	<5.97	100	NS	NS
DRO (ppm)	<5.89	8.86	<5.92	6.88	<5.25	<5.97	100	NS	NS
VOCs (ppb)									
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
Bromobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS SVI
Bromodichloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
tert-Butylbenzene	<25.0	<25,0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloroform	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Chloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2-Chlorotohiene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	Ns	NS
4-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dibromochloromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromo-3-chloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dibromoethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichforobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Dichlorodifluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4.9	·NS	NS
1,1-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
2,2-Dichloropropane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Di-isopropyl ether	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Hexachlorobutadiene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Methylene chloride	<100	<100	<100	<100	<100	<100	NS	NS	NS
Methyl tert-butyl ether	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	<25.0	48.0	<25.0	<25.0	<25.0	<25.0	NS	400	20,000

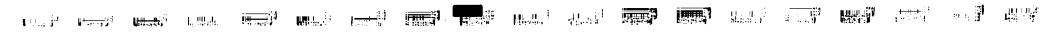


TABLE 1 (Page 4 of 4) Soil Sample Analytical Results - April 8, 2004 HR Housing Property Milwaukee, Wisconsin

Analytical Parameter	GP-8 2-4' bgs	GP-9 2-4' bgs	GP-10 10-12' bgs	GP-11 2-4' bgs	GP-12 2-4' bgs	GP-13 2-4' bgs	NR 720 Generic RCL	DNR Suggested RCL (groundwater protection)	DNR Suggested RCL (non- industrial direct contact)
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2,2-Tetrachloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,500	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trimethylbenzenes	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Vinyl chloride	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Total xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
PAHs (ppm)									
Acenaphthene	<0.118	< 0.125	<0.118	<0.129	< 0.105	< 0.119	NS	38	900
Acenaphthylene	<0.235	< 0.250	<0.237	<0.258	<0.210	<0.239	NS	0.7	18
Anthracene	<0.118	<0.125	< 0.118	<0.129	< 0.105	<0.119	NS	3,000	5,000
Benzo(a)anthracene	<0.0589	84.3	<0.0592	<0.0644	<0.0525	< 0.0597	NS	17	0.088
Benzo(a)pyrene	< 0.00589	63.3	<0.00592	46.8	5.68	<0.00597	NS	48	0.0088
Benzo(b)fluoranthene	<0.0589	<0.0625	<0.0592	<0.0644	<0.0525	< 0.0597	NS	360	0.088
Benzo(ghi)perylene	<0.118	<0.125	<0.118	<0.129	<0.105	<0.119	NS	6,800	1.8
Benzo(k)fluoranthene	<0.118	<0.125	<0.118	<0.129	<0.105	<0.119	NS	870	0.88
Chrysene	<0.118	<0.125	<0.118	<0.129	<0.105	<0.119	NS	37	8.8
Dibenzo(ah)anthracene	<0.00589	6.30	<0.00592	<0.00644	<0.00525	<0.00597	NS	38	0,0088
Fluoranthene	<0.118	174	<0.118	<0.129	<0.105	< 0.119	NS	`500	600
Fluorene	<0.118	<0.125	<0.118	<0.129	<0.105	< 0.119	NS	100	600
Indeno(123-cd)pyrene	<0.0589	< 0.0625	<0.0592	<0.0644	<0.0525	<0.0597	NS	680	0.088
1-Methylnaphthalene	<0.118	<0.125	<0.118	<0.129	< 0.105	<0.119	NS	23	1,100
2-Methylnaphthalene	<0.118	<0.125	< 0.118	<0.129	< 0.105	<0.119	NS	20	600
Naphthalene	<0.118	<0.125	<0.118	<0.129	< 0.105	<0.119	NS	0.4	20
Phenanthrene	<0.118	147	<0.118	<0.129	<0.105	<0.119	NS	1.8	18
Рутепе	< 0.118	<0.125	<0.118	<0.129	< 0.105	<0.119	NS	8,700	500
RCRA Metals (ppm)			1						
Arsenic	3.62	17.8	3.24	27.0	<2.62	3.51	0.039	NS	NS
Barium	57.5	72.3	58.1	91.9	<26.2	53.2	NS	NS	NS
Cadmium	<0.589	<0.625	<0.592	<0.644	<0.525	<0.597	8	NS	NS
Chromium	15.8	795	17.1	1,760	8.31	17.1	14	NS	NS
Lead	15.6	86.9	8.3	43.4	<5,25	8.39	50	NS	NS
Mercury	< 0.0420	0.957	< 0.0474	0.501	<0.0420	< 0.0411	NS	NS	NS
Selenium	<2.94	<3.13	<2.96	<3.22	<2.62	<2.98	NS	NS	NS
Silver	<2.94	<3.13	<2.96	<3.22	<2.62	<2.98	NS	NS	NS

TABLE 2 (Page 1 of 2) Groundwater Sample Analytical Results - April 15, 2004 HR Housing Property Milwaukee, Wisconsin

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Analytical Parameter	MW-A	MW-B	MW-C	TW-4	TW-1	NR 140 PAL	NR 140 ES
GRO (ppm)	<0.0500	<0.0500	<0.0500	<0.0500	NA	NS	NS
DRO (ppm)	< 0.100	<0.100	< 0.100	<0.100	NA	NS	NS
VOCs (ppb)							
Benzene	< 0.500	< 0.500	<0.500	<0.500	<0.500	0.5	5
Bromobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Bromodichloromethane	<0.391	< 0.391	< 0.391	< 0.391	<0.391	0.06	0.6
n-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
sec-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
tert-Butylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Carbon tetrachloride	< 0.372	<0.372	<0.372	< 0.372	< 0.372	0.5	5
Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Chloroethane	<5.00	<5.00	<5.00	<5.00	<5.00	80	400
Chloroform	< 0.316	< 0.316	< 0.316	<0.316	< 0.316	0.6	6
Chloromethane	<0.488	< 0.488	<0.488	<0.488	<0.488	. 0.3	3
2-Chlorotoluene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
4-Chlorotoluene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00	6	60
1,2-Dibromo-3-chloropropane	<0.264	< 0.264	<0.264	<0.264	< 0.264	0.02	0.2
1,2-Dibromoethane	<0.251	<0.251	<0.251	<0.251	< 0.251	0.005	0.05
1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	60	600
1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	125	1,250
1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00	15	75
Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00	200	1,000
1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00	85	850
1,2-Dichloroethane	< 0.500	<0.500	< 0.500	4.32	<0.500	0.5	5
1,1-Dichloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	0.7	7
cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00	7	70
trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00	20	100
1,2-Dichloropropane	<0.500	< 0.500	<0.500	< 0.500	<0.500	0,5	5
1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
2,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Di-isopropyl ether	<5.00	<5.00	<5.00	<5.00	<5,00	NS	NS
Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	140	700
Hexachlorobutadiene	<10.0	<10.0	<10.0	<10.0	<10.0	NS	NS
Isopropylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
p-Isopropyltoluene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Methylene chloride	<0.386	<0.386	<0.386	<0,386	<0.386	0.5	5
Methyl tert-butyl ether	<0.290	<0.290	<0.290	<0.290	<0.290	12	60
Naphthalene	<8.00	<8.00	<8.00	<8.00	<8.00	8	40
n-Propylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
1,1,2,2-Tetrachlorocthane	< 0.331	< 0.331	<0.331	<0.331	<0.331	0.02	0.2

TABLE 2 (Page 2 of 2) Groundwater Sample Analytical Results HR Housing Property Milwaukee, Wisconsin

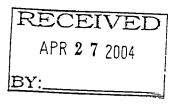
Analytical Parameter	MW-A	MW-B	MW-C	TW-4	TW-1	NR 140 PAL	NR 140 ES
Tetrachloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	0.5	5
Toluene	<5.00	<5.00	<5.00	<5.00	<5.00	200	1,000
1,2,3-Trichlorobenzene	<10.0	<10.0	<10.0	<10.0	<10.0	NS	NS
1,2,4-Trichlorobenzene	<10.0	<10.0	<10.0	<10.0	<10.0	14	70
1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00	40	200
1,1,2-Trichloroethane	< 0.145	<0.145	<0.145	<0.145	<0.145	0.5	5
Trichloroethene	<0.500	<0.500	< 0.500	< 0.500	< 0.500	0.5	5
Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00	NS	NS
Trimethylbenzenes	<5.00	<5.00	<5.00	<5.00	<5.00	96	480
Vinyl chloride	<0.217	<0.217	< 0.217	<0.217	< 0.217	0.02	0.2
Total xylenes	<5.00	<5.00	<5.00	<5.00	<5.00	1,000	10,000
'Alls (ppb)							
Acenaphthene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
Acenaphthylene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
Anthracene	<5.00	<5.00	<5.00	<5.00	NA	600	3,000
Benzo(a)anthracene	< 0.100	<0.100	< 0.100	0.106	NA	NS	NS
Benzo(a)pyrene	< 0.0200	< 0.0200	< 0.0200	0.121	NA	0.02	0.2
Benzo(b)fluoranthene	< 0.0200	< 0.0200	< 0.0200	0.0957	NA	0.02	0.2
Benzo(ghi)perylene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
Benzo(k)fluoranthene	< 0.100	< 0.100	< 0.100	<0.100	NA	NS	NS
Chrysene	<0.0200	<0.0200	< 0.0200	<0.0200	NA	0.02	0.2
Dibenzo(ah)anthracene	< 0.100	<0.100	< 0.100	<0.100	NΛ	NS	NS
Fluoranthene	<5.00	<5.00	<5.00	<5.00	NA	· NS	NS
Fluorene	<5.00	<5.00	<5.00	<5.00	NA	80	400
Indeno(123-cd)pyrene	< 0.200	< 0.200	< 0.200	<0.200	NA	NS	NS
1-Methylnaphthalene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
2-Methylnaphthalene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
Naphthalene	<5.00	<5.00	<5.00	<5.00	NA	8	40
Phenanthrene	<5.00	<5.00	<5.00	<5.00	NA	NS	NS
Pyrene	<5.00	<5.00	<5.00	<5.00	NA	50	250
RCRA Metals (ppb)							
Arsenic	<50.0	<50.0	<50.0	<50.0	NA	5	50
Cadmium	<5.0	<5.0	<5.0	<5.0	NA	0.5	5
Mercury	<0.200	<0.200	<0.200	<0.200	NA	0.2	2
Barium	<500	<500	<500	<500	NA	400	2,000
Chromium	<10.0	<10.0	<10.0	700	NA	10	100
Silver	<50.0	<50.0	<50.0	<50.0	NA	10	50
Lead	<5.00	<5.00	<5.00	1,260	NA	1.5	15
Selenium	<50.0	<50.0	<50.0	92.9	NA	10	50

	Data Table Abbreviations
	parts per million
ppm	parts per hillion
ppb GRO	gasoline range organics
DRO	diesel range organics
PVOCs	petroleum volatile organic compounds
VOCs	volatile organic compounds
PAHs	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
MTBE	methyl tert-butyl ether
TMB	trimethylbenzenes (combined 1,2,4- and 1,3,5-trimethylbenzene)
RCL	residual contaminant level as established in Wisconsin Administrative Code Chapter NR 720
ES	enforcement standard as established in Wisconsin Administrative Code Chapter NR 140
PAL	preventive action limit as established in Wisconsin Administrative Code Chapter NR 140
bold type	concentration exceeds PAL or RCL
bold and underlined type	concentration exceeds ES
NS	no established standard
NM	not measured for indicated parameter
NA	not analyzed for indicated parameter
NR .	no recovery for this interval
PID	photoionization detector
iu	instrument units
bgs	below ground surface
DO	dissolved oxygen
mV	millivolts
ORP	oxidation-reduction potential
uS/cm	microSiemens per centimeter
<	less than the specified detection limit

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23 April 2004

DJ Burns Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 RE: HR Housing



Enclosed are the results of analyses for samples received by the laboratory on 04/09/04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

SH/fm

Deborah L. Lowe For Andrea Stathas

Project Manager



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-1 2-4	W404116-01	Soil	04/08/04 09:20	04/09/04 15:00
GP-2 4-6	W404116-02	Soil	04/08/04 09:55	04/09/04 15:00
GP-3 4-6	W404116-03	Soil	04/08/04 10:35	04/09/04 15:00
GP-4 10-12	W404116-04	Soil	04/08/04 11:10	04/09/04 15:00
GP-5 2-4	W404116-05	Soil	04/08/04 11:40	04/09/04 15:00
GP-6 8-10	W404116-06	Soil	04/08/04 12:15	04/09/04 15:00
GP-7 8-10	W404116-07	Soil	04/08/04 12:40	04/09/04 15:00
GP-8 2-4	W404116-08	Soil	04/08/04 13:15	04/09/04 15:00
GP-9 2-4	W404116-09	Soil	04/08/04 14:00	04/09/04 15:00
GP-10 10-12	W404116-10	Soil	04/08/04 15:00	04/09/04 15:00
GP-11 2-4	W404116-11	Soil	04/08/04 15:30	04/09/04 15:00
GP-12 2-4	W404116-12	Soil	04/08/04 15:55	04/09/04 15:00
GP-13 2-4	W404116-13	Soil	04/08/04 16:15	04/09/04 15:00
TRIP BLANK	W404116-14	MeOH Blank	04/08/04 00:00	04/09/04 15:00

Great Lakes Analytical-Oak Creek

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Gasoline Range Organics (GRO) by WDNR GRO Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-4 (W404116-01) Soil Sampled:	04/08/04 09:20	Received:	04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.88	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-2 4-6 (W404116-02) Soil Sampled:	04/08/04 09:55	Received:	04/09/04	15:00					T4
Gasoline Range Organics (GRO)	11.9	6.05	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-3 4-6 (W404116-03) Soil Sampled: 0	04/08/04 10:35	Received:	04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.95	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-4 10-12 (W404116-04) Soil Sampled	l: 04/08/04 11:1	0 Receive	d: 04/09/0	4 15:00					
Gasoline Range Organics (GRO)	ND	6.02	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-5 2-4 (W404116-05) Soil Sampled: (04/08/04 11:40	Received:	04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	6.18	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	
GP-6 8-10 (W404116-06) Soil Sampled:	04/08/04 12:15	Received	: 04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	6.06	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	
GP-7 8-10 (W404116-07) Soil Sampled:	04/08/04 12:40	Received	: 04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.95	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	
GP-8 2-4 (W404116-08) Soil Sampled: 0	4/08/04 13:15	Received:	04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.89	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	
GP-9 2-4 (W404116-09) Soil Sampled: 0	4/08/04 14:00	Received:	04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	6.25	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

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Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Gasoline Range Organics (GRO) by WDNR GRO

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-10 10-12 (W404116-10) Soil	Sampled: 04/08/04 15:0	00 Receiv	ed: 04/09	/04 15:00					
Gasoline Range Organics (GRO)	ND	5.92	mg/kg dry	50	4040050	04/14/04	04/15/04	WDNR GRO	
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Received	: 04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	6.44 1	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Received	: 04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.25 1	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Received	: 04/09/04	15:00					
Gasoline Range Organics (GRO)	ND	5.97 1	mg/kg dry	50	4040050	04/14/04	04/14/04	WDNR GRO	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

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Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Diesel Range Organics (DRO) by WDNR DRO

Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received	04/09/04	15:00					T10, T15
Diesel Range Organics (DRO)	5.99	5.88	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received	04/09/04	15:00					
Diesel Range Organics (DRO)	ND	6.05	mg/kg dry	1	4040051	04/14/04	04/19/04	WDNR DRO	
GP-3 4-6 (W404116-03) Soil	Sampled: 04/08/04 10:35	Received	04/09/04	15:00					
Diesel Range Organics (DRO)	ND	5.95	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-4 10-12 (W404116-04) So	il Sampled: 04/08/04 11:1	0 Receive	ed: 04/09/	04 15:00					T10, T15
Diesel Range Organics (DRO)	11.5	6.02	mg/kg dry	1	4040051	04/14/04	04/19/04	WDNR DRO	
GP-5 2-4 (W404116-05) Soil	Sampled: 04/08/04 11:40	Received:	04/09/04	15:00					T10, T15
Diesel Range Organics (DRO)	10.1	6.18	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Received	ł: 04/09/04	15:00					
Diesel Range Organics (DRO)	ND	6.06	mg/kg dry	1	4040051	04/14/04	04/19/04	WDNR DRO	
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Received	1: 04/09/04	15:00					
Diesel Range Organics (DRO)	ND	5.95	mg/kg dry	1	4040051	04/14/04	04/19/04	WDNR DRO	
GP-8 2-4 (W404116-08) Soil	Sampled: 04/08/04 13:15	Received:	04/09/04	15:00					
Diesel Range Organics (DRO)	ND	5.89	mg/kg dry	1	4040051	04/14/04	04/19/04	WDNR DRO	
GP-9 2-4 (W404116-09) Seil	Sampled: 04/08/04 14:00	Received:	04/09/04	15:00					T10, T15
Diesel Range Organics (DRO)	8.86	6.25	mg/kg dry	1	4040051	04/14/04	04/20/04	WDNR DRO	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Diesel Range Organics (DRO) by WDNR DRO

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-10 10-12 (W404116-10) So	il Sampled: 04/08/04 15:0	00 Receiv	ed: 04/09	/04 15:00					
Diesel Range Organics (DRO)	ND	5.92	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Received	: 04/09/04	15:00					T10, T15
Diesel Range Organics (DRO)	6.88	6.44	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Received	: 04/09/04	15:00					
Diesel Range Organics (DRO)	ND	5.25	mg/kg dry	1	4040051	04/14/04	04/14/04	WDNR DRO	
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Received	: 04/09/04	15:00					
Diesel Range Organics (DRO)	ND	5.97	mg/kg dry	1	4040051	04/14/04	04/20/04	WDNR DRO	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received:	04/09/04	15:00	<u></u>				QQ
Benzene	ND		ug/kg dry	50	4040066	04/16/04	04/21/04	EPA 8260B	
Bromobenzene	ND	25.0	*	**	**	91	•	•	
Bromodichloromethane	ND	25.0	ŧ	••	**	**			
n-Butylbenzene	ND	25.0	**	Ħ	•	n	*	#	
sec-Butylbenzene	ND	25.0	**	"	**	**		•	
tert-Butylbenzene	ND	25.0	**	91	•	**	*	*	
Carbon tetrachloride	ND	25.0	H	**	•	*	•	•	
Chlorobenzene	ND	25.0	**	•	**	**	•	**	
Chloroethane	ND	25.0	*	**	**	*	**	Ħ	
Chloroform	ND	25.0	#	*	Ħ	Ħ	**	**	
Chloromethane	ND	25.0	•	•	*	**	•		
2-Chlorotoluene	ND	25.0	**	*	**	**	#	#	
4-Chlorotoluene	ND	25.0	**	н	.	•		n	
Dibromochloromethane	ND	25.0	**	H	**	**	**		
1,2-Dibromo-3-chloropropane	ND	25.0	n	#	**	н		#	
1,2-Dibromoethane	ND	25.0	H	•	**		•	**	
1,2-Dichlorobenzene	ND	25.0	**	**	**	••	•		
1,3-Dichlorobenzene	ND	25.0	**	**	**	#		**	
1,4-Dichlorobenzene	ND	25.0	**	**	b t	**	*	**	
Dichlorodifluoromethane	ND	25.0	**	•	•1	*	**	,	
1,1-Dichloroethane	ND	25.0	H	*1	**	•		n	
1,2-Dichloroethane	ND	25.0	•	,,	**	**		,,	
1,1-Dichloroethene	ND	25.0		**		**	Ħ	Ħ	
cis-1,2-Dichloroethene	ND	25.0	**	**	*	**	#	**	
rans-1,2-Dichloroethene	ND	25.0	**	#		**	**	**	
1,2-Dichloropropane	ND ND	25.0	Ħ	**		#		tr	
1,3-Dichloropropane	ND ND	25.0	**	**	**	,,	**	•	
2,2-Dichloropropane	ND ND		**	,,	,,	**			
Di-isopropyl ether		25.0	**	,	91				
Sthylbenzene	ND	25.0		**					
Hexachlorobutadiene	ND	25.0	91			**			
	ND	25.0		 #	 H	n	" "	-	
sopropylbenzene	ND	25.0			,	er		-	
o-Isopropyltoluene	ND	25.0	**	# ·		**		π	
Methylene chloride	ND	100							
Methyl tert-butyl ether	ND	25.0		•	"		•	#	
Naphthalene	ND	25.0	**	**	*1	Ħ	**	*	•
n-Propylbenzene	ND	25.0	**	**	**	*	#1	**	
,1,2,2-Tetrachloroethane	ND	25.0	**	**	**	**	Ħ	**	
Tetrachloroethene	ND	25.0	н	H	**	**	**	**	
Toluene	ND	25.0	**	**	*	**	Ħ	**	
,2,3-Trichlorobenzene	ND	25.0	**	Ħ	91	- "	*	**	
,2,4-Trichlorobenzene	ND	25.0	**	#1	Ħ	**		**	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received	04/09/04	15:00						QC
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/21/04	EPA 8260B		
1,1,2-Trichloroethane	ND	25.0	Ħ	**	**		*	. н		
Trichloroethene	ND	25.0	••	**	**	*		**		
Trichlorofluoromethane	ND	25.0	"	**	н	•	•	**		
1,2,4-Trimethylbenzene	ND	25.0	•	**	**	*	•	Ħ		
1,3,5-Trimethylbenzene	ND	25.0	**	**	Ħ	*	**	•		
Vinyl chloride	ND	25.0	**	Ħ	**		"	,		G14
Total Xylenes	ND	25.0	*		**		*			
Surrogate: 1,2-Dichloroethane-		221 %	65.4-		"	"	*	"	H	
Surrogate: Dibromofluoromethe		194 %	71.1-		"	,,	*	**	Н	
Surrogate: 4-Bromofluorobenze	ene	194 %	66.8-		"	*	"	"	H	
Surrogate: Toluene-d8		174 %	<i>68.5</i> -	146	#	•	*		H	
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received:	04/09/04	15:00						QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B		
Bromobenzene	ND	25.0	**	**		"	*	•		
Bromodichloromethane	ND	25.0	*1	**	**	#	**	*		
n-Butylbenzene	ND	25.0	**	**	**	Ħ	Ħ	**		
sec-Butylbenzene	ND	25.0	**	Ħ	#	Ħ	*	**		
tert-Butylbenzene	ND	25.0	**	**	•		•	. "		
Carbon tetrachloride	ND	25.0	*	"	**	••	Ħ	#		
Chlorobenzene	ND	25.0	11	**	77	n	*	**		
Chloroethane	ND	25.0	,,	n	**	**	**	**		
Chloroform	ND	25.0	**	**	*	n	H	н		
Chloromethane	ND	25.0	**	n	**	*	"	**		
2-Chlorotoluene	ND	25.0	**	**	**	*	*	**		
4-Chlorotoluene	ND	25.0	"	**	**	*	**	**		
Dibromochloromethane	ND	25.0	91 91		**		*	**		
1,2-Dibromo-3-chloropropane	ND	25.0	" "	**	"		"			
1,2-Dibromoethane	ND	25.0	"	**	**	"	**			
1,2-Dichlorobenzene	ND	25.0	**	**	"	,	,			
1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ·	25.0	н			" #		"		
Dichlorodifluoromethane	112	25.0	**					*		
l, l-Dichloroethane	ND	25.0 25.0	**							
1,2-Dichloroethane	ND ND	25.0 25.0	**	**	**	**				
1,1-Dichloroethene	ND ND	25.0 25.0	**	**	,,	er .		••		
cis-1,2-Dichloroethene	ND	25.0 25.0	•	11	**	**	**			
rans-1,2-Dichloroethene	ND	25.0 25.0	**	**	**		H.			
1,2-Dichloropropane	ND	25.0	ŧ	1 1	**	**	**			
1,3-Dichloropropane	ND	25.0		**	**	- +	**	n		
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Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received	: 04/09/04	15:00					Q
Di-isopropyl ether	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Ethylbenzene	134	25.0	**	**	H	Ħ	Ħ	**	
Hexachlorobutadiene	ND	25.0	**	Ħ	**		**	**	
Isopropylbenzene	ND	25.0	**	Ħ	11	**	#	#	
p-Isopropyltoluene	ND	25.0		**	91	n	*	**	
Methylene chloride	ND	100	π	**	H	Ħ	•	•	
Methyl tert-butyl ether	ND	25.0	**	*	#	,	#	Ħ	
Naphthalene	ND	25.0	**	**	**	*	Ħ	**	
n-Propylbenzene	ND	25.0	"	**	*1	*	**	•	
1,1,2,2-Tetrachloroethane	ND	25.0	**	**	**	*	Ħ	•	
Tetrachloroethene	ND	25.0	••	**	**	Ħ	n	Ħ	
Toluene	ND	25.0	**	Ħ	Ħ	*	Ħ	Ħ	
1,2,3-Trichlorobenzene	ND	25.0	**		n ,	Ħ	**		
1,2,4-Trichlorobenzene	ND	25.0	**	**	**		**		
1,1,1-Trichloroethane	ND	25.0	**	**	**	#		Ħ	
1,1,2-Trichloroethane	ND	25.0	**	**	#	Ħ	•	**	
Trichloroethene	ND	25.0	**	•	**		Ħ	#	
Trichlorofluoromethane	ND	25.0	*1		**	*	**	n	
1,2,4-Trimethylbenzene	ND	25.0	н	**	n	Ħ	#	**	
1,3,5-Trimethylbenzene	ND	25.0	*	*1	••	H	#	*	
Vinyl chloride	ND	25.0	**	**	n	Ħ	**		G14
Total Xylenes	260	25.0	**	tr .	*	H	**	n	
Surrogate: 1,2-Dichloroethane-c	14	125 %	65.4-	150	,,	,	н	"	
Surrogate: Dibromofluorometha		107 %	71.1-		"	,,	*	*	
Surrogate: 4-Bromofluorobenzei		96.6 %	66.8-	-	,,	"	,	"	
Surrogate: Toluene-d8		92.8 %	68.5-	- -	*	"	"	*	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-3 4-6 (W404116-03) Soil	Sampled: 04/08/04 10:35	Received:	04/09/04	15:00			···		QC
Benzene	ND		ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	**	Ħ	91	ŧτ	**	"	
Bromodichloromethane	ND	25.0	**	#1	**	**	**	**	
n-Butylbenzene	ND	25.0	**	•	•		**	**	
sec-Butylbenzene	ND	25.0	**	**	**	*	•	**	
tert-Butylbenzene	ND	25.0	**		*	*	•	*	
Carbon tetrachloride	ND	25.0	H	**	•	*	н	**	
Chlorobenzene	ND	25.0		Ħ	n	n	**	**	
Chloroethane	ND	25.0	**	*		•	*	**	
Chloroform	ND	25.0	n	**	**	*	•	•	
Chloromethane	ND	25.0	•	**		•	**	**	
2-Chlorotoluene	ND	25.0	•	*1	tr.	Ħ		**	
4-Chlorotoluene	ND	25.0		**		**	Ħ	#	
Dibromochloromethane	ND	25.0	**		#		Ħ	Ħ	
1,2-Dibromo-3-chloropropane	ND	25.0		**	**		*	Ħ	
1,2-Dibromoethane	ND	25.0	**	**		n	Ħ	#	
1.2-Dichlorobenzene	ND	25.0		**	**	n			
1,3-Dichlorobenzene	ND	25.0	**	**	**	**	#	**	
1,4-Dichlorobenzene	ND	25.0	,,	tr	**	*	**	**	
Dichlorodifluoromethane	ND	25.0	**	**	ei	n	•	**	
1,1-Dichloroethane	ND	25.0	**	91	n	**		**	
1,2-Dichloroethane	ND	25.0	**	**		*1	**	n	
1,1-Dichloroethene	ND	25.0	**	,,	,,	**	*	*	
cis-1,2-Dichloroethene	ND	25.0	**	**	**	,,	n	**	
rans-1,2-Dichloroethene	ND	25.0		er .		#		*	
1,2-Dichloropropane	ND	25.0	**	**	**	*	Ħ	н	
1,3-Dichloropropane	ND	25.0	**	#		и			
2,2-Dichloropropane	ND	25.0 25.0	**	,,	**	Ħ	tr		
Di-isopropyl ether	ND ND	25.0 25.0	**			•		•	
Ethylbenzene	ND ND			**					
Hexachlorobutadiene	ND ND	25.0	**		**				
sopropylbenzene		25.0			**	 H			
p-Isopropyltoluene	ND	25.0			"		" "		
Methylene chloride	ND .	25.0	"	,, .	-	,			
	ND	100				•		#	
Methyl tert-butyl ether	ND	25.0				*	,	•	
Naphthalene	ND	25.0				•	•	**	
-Propylbenzene	ND	25.0		**	**	•	*	br .	
,1,2,2-Tetrachloroethane	ND	25.0	**	#	**	*	•	*	
Tetrachloroethene	ND	25.0	"	**	Ħ	11	*	**	
Toluene	ND	25.0	"	**	**	#	Ħ	*	
,2,3-Trichlorobenzene	ND	25.0	**	**	**	- "	*	*	
,2,4-Trichlorobenzene	ND	25.0	**		*1	**	91	n	

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

- ,... - i.i. = ja.- Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-3 4-6 (W404116-03) Soil Sai	mpled: 04/08/04 10:35	Received	: 04/09/04	15:00					QC
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
1,1,2-Trichloroethane	ND	25.0	**	**	**	•	**	#	
Trichloroethene	ND	25.0	**	*	*	۳.	•	*	
Trichlorofluoromethane	ND	25.0	*	*	**	"	**	. #	
1,2,4-Trimethylbenzene	ND	25.0	**	Ħ	Ħ	•	•	#	
1,3,5-Trimethylbenzene	ND	25.0	M	**	**	**	•	**	
Vinyl chloride	ND	25.0	**	**	ţr.	**	**	**	G14
Total Xylenes	ND	25.0	"	**				"	
Surrogate: 1,2-Dichloroethane-d4		113 %	65.4-	150	"	. #	"	"	
Surrogate: Dibromofluoromethane		95.6%	71.1-		"	"	*	*	
Surrogate: 4-Bromofluorobenzene		89.2 %	66.8-	137	"	"	"	. "	
Surrogate: Toluene-d8		81.0 %	68.5-	146	"	*	•	"	
GP-4 10-12 (W404116-04) Soil S	Sampled: 04/08/04 11:1	0 Receive	ed: 04/09/0	4 15:00					QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	Ħ	*	H	*	#		
Bromodichloromethane	ND	25.0	**	**	**		**	#	
n-Butylbenzene	ND	25.0	#1	Ħ	**	"	**	•	
sec-Butylbenzene	ND	25.0		**	•	*	Ħ	#	
tert-Butylbenzene	ND	25.0	**	**	**	**	•	•	
Carbon tetrachloride	ND	25.0	"	•	**	*	#1	**	
Chlorobenzene	ND	25.0	ŧŧ	**	**	**	*	•	
Chloroethane	ND	25.0	Ħ	"	H	Ħ	#	*	
Chloroform	ND	25.0	**	**	**	••			
	1412	٠.٠		••					
Chloromethane	ND	25.0	**	**	**	**		Ħ	
Chloromethane 2-Chlorotoluene			**		"	# #	* #	n	
,	ND	25.0		**		11 H 11		#1 #1	
2-Chlorotoluene	ND ND	25.0 25.0	n	#1 #1	*	**	*	n n n	
2-Chlorotoluene 4-Chlorotoluene	ND ND ND	25.0 25.0 25.0	91 91	#1 #1	**	Ħ	**	" " "	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane	ND ND ND ND	25.0 25.0 25.0 25.0	91 81	#1 #1 #1	# #	97 93	#* #*	** ** ** ** **	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane	ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0	91 91 93	11 11 11	91 91 91	N 11 N	**	" " " " " "	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane	ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0	91 91 91 91	** ** ** ** ** **	# # # # # # # # # # # # # # # # # # #	11 11 11	# # # # # # # # # # # # # # # # # # #	" " " " " " " " " " "	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene	ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0	91 91 91 91	11 11 11 11 11 11 11 11 11 11 11 11	** ** ** ** ** ** **	n n n n	# # # # # # # # # # # # # # # # # # #	" " " " " " " " " "	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	91 91 91 91	11 11 11 11 11	n n n	n n n	# # # # # # # # # # # # # # # # # # #	**	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	n n n n	n n n n n n n n n n n n n n n n n n n	n n n n	11 11 11 11 11	**	** ** ** ** ** ** ** ** ** ** ** ** **	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane	ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	n n n n	n n n n n n n n n n n n n n n n n n n	" " " " " " "	11 11 11 11 11	**	** ** ** ** ** ** ** ** ** ** ** ** **	
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane	ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	n n n n	n n n n n n n n n n n n n n n n n n n	" " " " " " " " " " " " " " " " " " " "	77 77 78 79 79 79	**		
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane	ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	" " " " " " " " " " " " " " " " " " "	"" "" "" "" "" "" "" "" "" "" "" "" ""	77 17 17 17 17 17	** ** ** ** ** ** ** ** ** ** ** ** **		
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	11 11 11 11 11 11 11 11 11 11 11 11 11		77 17 17 17 17 17	**		
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	" " " " " " " " " " " " " " " " " "	***	** ** ** ** ** ** ** ** ** ** ** ** **	**		
2-Chlorotoluene 4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	***	" " " " " " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	**		

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note	
GP-4 10-12 (W404116-04) Soil	Sampled: 04/08/04 11:10	Receiv	ed: 04/09/(04 15:00					Q	
Di-isopropyl ether	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B		
Ethylbenzene	60.2	25.0	Ħ	Ħ	H	н	•	**		
Hexachlorobutadiene	ND	25.0	•	**	**	**	n	en		
Isopropylbenzene	ND	25.0	*	**	Ħ	**	**	n		
p-Isopropyltoluene	ND	25.0	**	Ħ	Ħ	**	Ħ	• .		
Methylene chloride	ND	100	•	*	**	#	*	Ħ		
Methyl tert-butyl ether	ND	25.0	**	•	**	Ħ	n	**		
Naphthalene	ND	25.0	n	*	Ħ	**	•	**		
n-Propylbenzene	ND	25.0	H		**	*	•	••		
,1,2,2-Tetrachloroethane	ND	25.0	*1	**	**	**	•	**		
Tetrachloroethene	ND	25.0	*	•	**	*	*	**		
Toluene	762	25.0	**	•	Ħ	"	**	••		
,2,3-Trichlorobenzene	ND	25.0	**	••	٠,	**	**	•		
1,2,4-Trichlorobenzene	ND	25.0	H		n	Ħ	#	*		
,1,1-Trichloroethane	ND	25.0	**	"	**	•	*	*		
1,1,2-Trichloroethane	ND	25.0	*	Ħ	n	#	Ħ	Ħ		
Trichloroethene	ND	25.0	*1		**	•	**	•		
Trichlorofluoromethane	ND	25.0		*	**		#	•		
,2,4-Trimethylbenzene	ND	25.0	*1		**	**	*	11		
,3,5-Trimethylbenzene	ND	25.0	*	**	Ť	**	**			
Vinyl chloride	ND	25.0	**	**	**	•	**	41	G1-	
Total Xylenes	276	25.0		**	н	**	"	Ħ		
Surrogate: 1,2-Dichloroethane-d4		112 %	65.4-	150	"	"	,,	"		
Surrogate: Dibromofluoromethane		94.3 %	71.1-		*	"	*	,,		
Surrogate: 4-Bromofluorobenzene		92.3 %	66.8-		,,	**	н	*		
Surrogate: Toluene-d8		83.0 %	68.5-		"	Pr	**	"		

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave

Milwaukee, WI 53209-2536

=:

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 2-4 (W404116-05) Soil	Sampled: 04/08/04 11:40	Received	04/09/04	15:00					QC
Benzene	ND		ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	**	Ħ	**	•	•	ŧτ	
Bromodichloromethane	ND	25.0	*1	**	,,	•		"	
n-Butylbenzene	ND	25.0	Ħ	Ħ	**	**	•	**	
sec-Butylbenzene	ND	25.0	••	**	**	•	•	H	
tert-Butylbenzene	ND	25.0	•	#	**	#	**	n	
Carbon tetrachloride	ND	25.0	**	*	Ħ	**	**	*	
Chlorobenzene	ND	25.0	**	*	**	**	•	•	
Chloroethane	ND	25.0	**	**	•	"	•	Ħ	
Chloroform	ND	25.0	*	**	**	#	**	*	
Chloromethane	ND	25.0	Ħ		Ħ	"		Ħ	
2-Chlorotoluene	ND	25.0	**	*	•	Ħ	Ħ	**	
1-Chlorotoluene	ND	25.0	**	*	n ,	**		**	
Dibromochloromethane	ND	25.0	Ħ	**	11	H		•	
,2-Dibromo-3-chloropropane	ND	25.0	**	**		•		**	
1,2-Dibromoethane	ND	25.0	**	**	n	**		m	
1,2-Dichlorobenzene	ND	25.0	**	••		**		**	
,3-Dichlorobenzene	ND	25.0	**	n	**	**		•	
,4-Dichlorobenzene	ND	25.0	**	**	**	11		**	
Dichlorodifluoromethane	ND	25.0	**	**	**		*	Ħ	
,1-Dichloroethane	ND	25.0	11	**	**	Ħ	•	#	
,2-Dichloroethane	ND	25.0		**	n			Ħ	
,1-Dichloroethene	ND	25.0	**	11	•	H	Ħ		
cis-1,2-Dichloroethene	ND	25.0	**	*	**		n	**	
rans-1,2-Dichloroethene	ND	25.0		**		n	•		
,2-Dichloropropane	ND	25.0	**	**	**		•	•	
,3-Dichloropropane	ND	25.0	**	**	tr	Ħ		•	
2,2-Dichloropropane	ND	25.0	**		ŧı	•	**	"	
Di-isopropyl ether	ND	25.0		**	**	Ħ	**	#	
Ethylbenzene	ND	25.0	•	**	**	,,	,	n	
Hexachlorobutadiene	ND	25.0	**	**	t r	**	**	,	
sopropylbenzene	ND	25.0	**	ęı	**	n	,	*	
-Isopropyltoluene		25.0			•	**			
Methylene chloride	ND ND	100	**	,, .		**			
Methyl tert-butyl ether			**		••				
Naphthalene	ND	25.0				**			
-Propylbenzene	ND	25.0		"					
,1,2,2-Tetrachloroethane	ND	25.0					,,		
	ND	25.0		-	-	π		# 	
Tetrachloroethene Toluene	ND	25.0					, "	#	
	ND	25.0		**	**		Ħ		
,2,3-Trichlorobenzene	ND	25.0	*1	Ħ		- "	*	••	
,2,4-Trichlorobenzene	ND	25.0	**	. "	**	Ħ	**	•	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 2-4 (W404116-05) Soil	Sampled: 04/08/04 11:40	Received	: 04/09/04	15:00					QC
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
1,1,2-Trichloroethane	ND	25.0	Ħ	**	**	**	•	Ħ	
Trichloroethene	ND	25.0	•	**	**	n	*	•	
Trichlorofluoromethane	ND	25.0	•	**	**	**	•	*	
1,2,4-Trimethylbenzene	ND	25.0	**	11	71	Ħ	•	11	
1,3,5-Trimethylbenzene	ND	25.0	**	*1	77	**	**	**	
Vinyl chloride	ND	25.0	Ħ	**	**	n		n	G1
Total Xylenes	ND	25.0	**	#	**	**	•	**	
Surrogate: 1,2-Dichloroethane-d	14	96.4 %	65.4-	150	"	*	"	,,	
Surrogate: Dibromofluorometha	ne	81.9 %	71.1-	141	"	"	•	,,	
Surrogate: 4-Bromofluorobenzen	ie	74.0 %	66.8-	137	"	#	*	n	
Surrogate: Toluene-d8		72.7 %	68.5-	146	"	"	*	"	
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Receive	d: 04/09/04	15:00	•				QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	**		**	•	**	**	
Bromodichloromethane	ND	25.0	**		91	*	**	**	
n-Butylbenzene	ND	25.0	**	**	**	n		**	
sec-Butylbenzene	ND	25.0	**	*	**	**		**	
tert-Butylbenzene	ND	25.0	Ħ	•	**	Ħ	*	**	
Carbon tetrachloride	ND	25.0	н .	*1	*1	m	•	•	
Chlorobenzene	ND	25.0	11	•		n		n	
Chloroethane	ND	25.0	•	**	**		**	m	
Chloroform	ND	25.0	11	**	n			•	
Chloromethane	ND	25.0	**	**	**			#	
2-Chlorotoluene	ND	25.0	**	**	•	п	*	**	
4-Chlorotoluene	ND	25.0	•	**	**	w	*	**	
Dibromochloromethane	ND	25.0	**	*	n	н	*	**	
1,2-Dibromo-3-chloropropane	ND	25.0	**	11		**	**	**	
1,2-Dibromoethane	ND	25.0	••	**	**			Ħ	
1,2-Dichlorobenzene	ND	25.0	**	Ħ	Ħ	**	*	н	
1,3-Dichlorobenzene	ND	25.0	ŦĪ	H	**			#	
1,4-Dichlorobenzene	ND ·	25.0	n	**	*	**	**	**	
Dichlorodifluoromethane	ND	25.0	**	" .	•			н	
1,1-Dichloroethane	ND	25.0	•	**	•	Pf	#	*	
,2-Dichloroethane	ND	25.0	**	**	**	Ħ		n	
1,1-Dichloroethene	ND	25.0	11	**				*	
cis-1,2-Dichloroethene	ND ND	25.0	,,	**	•		**		
rans-1,2-Dichloroethene	ND	25.0		91	•	*			
1.2 District	ND	25.0					•	•	

Great Lakes Analytical-Oak Creek

1,2-Dichloropropane

1,3-Dichloropropane

2,2-Dichloropropane

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ND

ND

ND

25.0

25.0

25.0



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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Receive	d: 04/09/04	15:00					QC
Di-isopropyl ether	ND		ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Ethylbenzene	ND	25.0	er	**	**	Ħ	**	11	
Hexachlorobutadiene	ND	25.0	\$1	**	**	Ħ	**	#	
Isopropylbenzene	ND	25.0	*1	**	**	. "	#	#	
p-Isopropyltoluene	ND	25.0	**	**	**	**	•	**	
Methylene chloride	ND	100	**	n	11		w	**	
Methyl tert-butyl ether	ND	25.0	**	**	**	**	•	**	
Naphthal e ne	ND	25.0	*	Ħ	Ħ	Ħ	*	•	
n-Propylbenzene	ND	25.0	**	•	**	Ħ	#	,,	
1,1,2,2-Tetrachloroethane	ND	25.0	**	**			•		
Tetrachloroethene	ND	25.0	**	••	**	**	m	Ħ	
Toluene	ND	25.0	**	•		#	#	**	
1,2,3-Trichlorobenzene	ND	25.0	**	er .	٠.	•	**	#	
1,2,4-Trichlorobenzene	ND	25.0	**	tr	**	*	•	#	
1,1,1-Trichloroethane	ND	25.0	97	*1	*	*	Ħ	**	
1,1,2-Trichloroethane	ND	25.0	*1	n	**	•	**	#	
Trichloroethene	ND	25.0	••	**	**	**	#	#	
Trichlorofluoromethane	ND	25.0	**	**	**	**	•	#	
1,2,4-Trimethylbenzene	ND	25.0	**	**	**	*		#	
1,3,5-Trimethylbenzene	ND	25.0		**	**	n	**		
Vinyl chloride	ND	25.0	н	**	n	**	n	Ħ	G14
Total Xylenes	ND	25.0	**	**	•	*	*	H	
Surrogate: 1,2-Dichloroethane-d	4	107 %	65.4-	150	"	"	n	"	
Surrogate: Dibromofluorometha		88.3 %	71.1-		,,	"	"	#	
Surrogate: 4-Bromofluorobenzen		82.6 %	66.8-		"	W	*	н	
Surrogate: Toluene-d8		75.9 %	68.5-		**	*	Ħ	M	

Great Lakes Analytical--Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Received	d: 04/09/04	15:00					QC
Benzene	ND		ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	**	Ħ	**	**	*	Ħ	
Bromodichloromethane	ND	25.0	**	Ħ	**	#	#	**	
n-Butylbenzene	ND	25.0	**	**	#	Ħ	Ħ	**	
sec-Butylbenzene	ND	25.0	*1	**	**	**	*	**	
tert-Butylbenzene	ND	25.0	**	•	**	**	*	"	
Carbon tetrachloride	ND	25.0	**	н	*	**	,	*	
Chlorobenzene	ND	25.0	••	н	**	**	n	Ħ	
Chloroethane	ND	25.0	**	**	**	*1	*	**	
Chloroform	ND	25.0	**	Ħ	**	*	Ħ	**	
Chloromethane	ND	25.0	**	*	*	**	**	#	
2-Chlorotoluene	ND	25.0	Ħ	11	n	*	*	**	
4-Chlorotoluene	ND	25.0	Br .	71		**	#	H	
Dibromochloromethane	ND	25.0	**	H	**	*	**	*	
1,2-Dibromo-3-chloropropane	ND	25.0	**	Ħ	••	**	•	••	
1,2-Dibromoethane	ND	25.0	•1	**	**	*	**	**	
1,2-Dichlorobenzene	ND	25.0	**	11	**	**	**	•	
1,3-Dichlorobenzene	ND	25.0	11	,,	41	**	**	**	
1,4-Dichlorobenzene	ND	25.0	**	#	e 1	,,	**	#1	
Dichlorodifluoromethane	ND	25.0	n	**	**	**	**	**	
1,1-Dichloroethane	ND	25.0	**	11	**	**	*	**	
1,2-Dichloroethane	ND	25.0	**	ŧı	**	**	*	**	
1,1-Dichloroethene	ND	25.0	*1	**	**	Ħ	**	"	
cis-1,2-Dichloroethene	ND	25.0	н	••	27	•	#		
rans-1,2-Dichloroethene	ND	25.0	#	#1	•1			*	
1,2-Dichloropropane	ND	25.0		**	**	Ħ	*	*1	
1,3-Dichloropropane	ND	25.0	**	*1	**		**	*	
2,2-Dichloropropane	ND	25.0		**	**	**	•	**	
Di-isopropyl ether	ND	25.0	n	**	,,	**	*	•	
Ethylbenzene	ND	25.0	tt .	**	**	•1		*	
Hexachlorobutadiene	ND	25.0		*1	••	**		**	
sopropylbenzene	ND	25.0		**	**		Ħ	*	
o-Isopropyltoluene	ND :	25.0	**		*1	*		**	
Methylene chloride	ND .	100	**	и.	H	**	*	**	
Methyl tert-butyl ether	ND	25.0	**	**	**	H	**	*	
Naphthalene	ND	25.0 25.0	n	•	**		**	**	
n-Propylbenzene	ND ND	25.0 25.0		••	**	**	,		
1,1,2,2-Tetrachloroethane			**		,,				
Fetrachloroethene	ND	25.0		,,					
Foluene	· ND	25.0		**	" "	**	π 		
,2,3-Trichlorobenzene	ND	25.0		**				"	
	ND	25.0		**	**	. "	**	#	
,2,4-Trichlorobenzene	ND	25.0	••	**	"	n		**	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

∌ :

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Received	1: 04/09/04	15:00					QC
,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
,1,2-Trichloroethane	ND	25.0	**	11	**	**	**	*	
frichloroethene	ND	25.0	#	er		Ħ	•	Ħ	
richlorofluoromethane	ND	25.0	•	**	•	*	•	#1	
,2,4-Trimethylbenzene	ND	25.0	**	Ħ	n			29	
,3,5-Trimethylbenzene	ND	25.0	**	**		Ħ	**	Ħ	
/inyl chloride	ND	25.0	**	H	•	**	•	n	G14
Total Xylenes	ND	25.0	**	*	**	**	**	m	
Surrogate: 1,2-Dichloroethane-d4	!	116%	65.4-	150	"	. "	n	"	
Surrogate: Dibromofluoromethan	e	99.0 %	71.1-	141	•	"	•	"	
Surrogate: 4-Bromofluorobenzene	•	92.4 %	66.8-	137	"	n	,,	*	
Surrogate: Toluene-d8		85.1 %	<i>68.5</i> -	146	"	,,	"	"	
GP-8 2-4 (W404116-08) Soil S	ampled: 04/08/04 13:15	Received:	04/09/04	15:00					QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0		**	**	Ħ	*	•	
Bromodichloromethane	ND	25.0	•	•		•	*	Ħ	
-Butylbenzene	ND	25.0	n	**	**	•	*	n	
ec-Butylbenzene	ND	25.0	n	**	*	•		**	
ert-Butylbenzene	ND	25.0	**		**	•	**	**	
Carbon tetrachloride	ND	25.0	11	**	**	**	#		
Chlorobenzene	ND	25.0	*	**	**	**		**	
Chloroethane	ND	25.0	n	Ħ	# .	**	**	•	
Chloroform	ND	25.0	Ħ	H		#	*	**	
Chloromethane	ND	25.0	•	**	**	**	•	Ħ	
-Chlorotoluene	ND	25.0	•	91	*1	#	. •	•	
-Chlorotoluene	ND	25.0	**	**	m	Ħ		#	
bibromochloromethane	ND	25.0	**		Ħ	*	**	H	
,2-Dibromo-3-chloropropane	ND	25.0	Ħ	•	**	Ħ	**	#	
,2-Dibromoethane	ND	25.0	H	11		**	**	#	
,2-Dichlorobenzene	ND	25.0	**	**	**	**	**	H	
,3-Dichlorobenzene	ND	25.0	••	**	**	**	,	Ħ	
4-Dichlorobenzene	ND ··	25.0	*	••	**	,,	Ħ	*	
pichlorodifluoromethane	ND	25.0	**	,,	**	*	**	**	
,1-Dichloroethane	ND	25.0	*	•	**	**		*	
,2-Dichloroethane	ND	25.0	*	н	**	H	*	n	
,1-Dichloroethene	ND	25.0	• #1	**	н	H		H	
is-1,2-Dichloroethene	ND	25.0		**	**		**	*	
ans-1,2-Dichloroethene	ND	25.0	**		,,	#	*		
2-Dichloropropane	ND	25.0		**	**	**		*	
3-Dichloropropane	ND ND	25.0	,,	**		• "	**		
2-Dichloropropane	עאו	∠೨.∪							

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

1			Reporting							
	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	GP-8 2-4 (W404116-08) Soil	Sampled: 04/08/04 13:15	Received	: 04/09/04	15:00	_				QC
: -	Di-isopropyl ether	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
	Ethylbenzene	ND	25.0	#	**	**	*	•		
	Hexachlorobutadiene	ND	25.0	**	Ħ	. #	**	#		
	Isopropylbenzene	ND	25.0	**	*	**	"		•	
ż	p-Isopropyltoluene	ND	25.0	**	**	*	**	•	•	
_	Methylene chloride	ND	100	•	*	•	•	#	•	
>	Methyl tert-butyl ether	ND	25.0	91	**	**	**	•	**	
3	Naphthalene	ND	25.0		**	**	•	•		
	n-Propylbenzene	ND	25.0	**	*	*	11		**	
	1,1,2,2-Tetrachloroethane	ND	25.0	H	*	**	Ħ	**	**	
i	Tetrachloroethene	ND	25.0	**	#	**	n	•	**	
5	Toluene	ND	25.0	**	n	m	*	#	"	
	1,2,3-Trichlorobenzene	ND	25.0	*	#	*	. •	**	"	
	1,2,4-Trichlorobenzene	ND	25.0	**		*	*	*	н	
	1,1,1-Trichloroethane	ND	25.0		•		*	•	*	
_	1,1,2-Trichloroethane	ND	25.0	**	*		*	*	**	
	Trichloroethene	ND	25.0	19		**	*	**	**	
i	Trichlorofluoromethane	ND	25.0	**	*	n	•	#	**	
نڌ	1,2,4-Trimethylbenzene	ND	25.0					*		
	1,3,5-Trimethylbenzene	ND	25.0	**	Ħ	•	*	**	,,	
ä	Vinyl chloride	ND	25.0		**	**		•	•	G14
	Total Xylenes	ND	25.0	11		•	n	n	**	
_	Surrogate: 1,2-Dichloroethane-	d4	110 %	65.4-	150	"	"		"	
-	Surrogate: Dibromofluorometh		89.7 %	71.1-		"	,,	"	"	
ľ	Surrogate: 4-Bromofluorobenze		89.3 %	66.8-		"	"	"	"	
	Surrogate: Toluene-d8		78.7 %	68.5-		,,	"	"	"	
	G		•		-					

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing Project Number: 04013 Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Bromobenzene ND	nalyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene ND 25.0	² -9 2-4 (W404116-09) Soil	Sampled: 04/08/04 14:00	Received:	04/09/04	15:00					QC
Bromodichloromethane	nzene			ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
n-Buylbenzene ND 25.0 " " " " " " " " " " " " " " " " " " "				•	**	**	•	**	#	
Sec-Butylbenzene	omodichloromethane			**	*	*		•	M	
tert-Butylbenzene	=			**	**	**	**	•	**	
Carbon tetrachloride ND 25.0 """"""""""""""""""""""""""""""""""""				**	**	*	•	**	Ħ	
Chlorobenzene ND				**	*1	*1	*1	**	**	
Chiloroethane	rbon tetrachloride			**	**	**	"	Ħ		
Chloroform	lorobenzene	ND	25.0	Ħ	n	"	#1	**	**	
Chloromethane	loroethane	ND	25.0	**	**	H	H	**	•	
2-Chlorotoluene ND 25.0 " " " " " " " " " " " " " " " " " " "	loroform	ND	25.0	**	*	**	s r	#	•	
4-Chlorotoluene ND 25.0 "	loromethane	ND	25.0	**	,,	n		**	,	
Dibromochloromethane ND 25.0	Chlorotoluene	ND	25.0	**	•	**	**	**	**	
1,2-Dibromo-3-chloropropane ND 25.0 " " " " " " " " " " " " " " " " " " "	Chlorotoluene	ND	25.0	** .	"		*		н	
1,2-Dibromoethane ND 25.0 " " " " " " " " " " " " " " " " " " "	promochloromethane	ND	25.0	**	н	•	71	n	**	
1,2-Dichlorobenzene ND 25.0 " <td>-Dibromo-3-chloropropane</td> <td>ND</td> <td>25.0</td> <td>**</td> <td>**</td> <td>H</td> <td></td> <td></td> <td>•</td> <td></td>	-Dibromo-3-chloropropane	ND	25.0	**	**	H			•	
1,3-Dichlorobenzene ND 25.0 " " " " " " " " " " " " " " " " " " "	-Dibromoethane	ND	25.0	n	**	**	. #	*	H	
1,4-Dichlorobenzene ND 25.0 " <td>-Dichlorobenzene</td> <td>ND</td> <td>25.0</td> <td>**</td> <td></td> <td>**</td> <td></td> <td>•</td> <td>••</td> <td></td>	-Dichlorobenzene	ND	25.0	**		**		•	••	
1,4-Dichlorobenzene ND 25.0 " <td>-Dichlorobenzene</td> <td>ND</td> <td>25.0</td> <td></td> <td>#</td> <td>**</td> <td></td> <td>**</td> <td>*</td> <td></td>	-Dichlorobenzene	ND	25.0		#	**		**	*	
Dichlorodifluoromethane ND 25.0 """"""""""""""""""""""""""""""""""""	-Dichlorobenzene	ND		Ħ	**	**	**	*	**	
1,1-Dichloroethane ND 25.0 """"""""""""""""""""""""""""""""""""				ti .	**	**	**	*	m	
1,2-Dichloroethane ND 25.0 " <td>-Dichloroethane</td> <td></td> <td></td> <td>**</td> <td>**</td> <td>**</td> <td></td> <td></td> <td>•</td> <td></td>	-Dichloroethane			**	**	**			•	
1,1-Dichloroethene ND 25.0 " <td></td> <td></td> <td></td> <td></td> <td></td> <td>**</td> <td></td> <td>**</td> <td>H</td> <td></td>						**		**	H	
cis-1,2-Dichloroethene ND 25.0 " </td <td></td> <td></td> <td></td> <td>**</td> <td>**</td> <td>н</td> <td></td> <td></td> <td></td> <td></td>				**	**	н				
trans-1,2-Dichloroethene ND 25.0 "				**	*	•1	**	#1	#	
1,2-Dichloropropane ND 25.0 " <td></td> <td></td> <td></td> <td>**</td> <td>••</td> <td>н</td> <td></td> <td>**</td> <td>**</td> <td></td>				**	••	н		**	**	
1,3-Dichloropropane ND 25.0 " <td></td> <td></td> <td></td> <td></td> <td></td> <td>**</td> <td>**</td> <td></td> <td>11</td> <td></td>						**	**		11	
2,2-Dichloropropane ND 25.0 """"""""""""""""""""""""""""""""""""				**	••	Ħ	**	Ħ	**	
Di-isopropyl ether ND 25.0 """"""""""""""""""""""""""""""""""""				**		**	**	••		
Ethylbenzene ND 25.0 """"""""""""""""""""""""""""""""""""				**		71	,		**	
Hexachlorobutadiene ND 25.0 "				**	•	**	**		•	
Isopropylbenzene	·			**	•	••	**			
p-Isopropyltoluene ND 25.0 " " " " " " " " " " " " " " " " " " "					**	*	**	*	n	
Methylene chloride ND 100 "	= -			*1	**	**		**	,	
Methyl tert-butyl ether ND 25.0 "					n ·	**	n	**	**	
Naphthalene 48.0 25.0 " " " " " " " " " " " " " " " " " " "				97	**	**	*		,,	
n-Propylbenzene ND 25.0 " " " " " " " " " " " " " " " " " " "				11	**	**	,,			
1,1,2,2-Tetrachloroethane ND 25.0 " " " " " " "					••	,		•		
				•1						
refraction occurred ND Z5.U " " " " " " " " " " " " " " " " " " "								-		
							-		"	
10 25.0				-				•	**	
1,2,3-Trichlorobenzene ND 25.0 " " " - " " " " " " " " " " " " " " "				"			. "	*	11	

Great Lakes Analytical--Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-9 2-4 (W404116-09) Soil S	ampled: 04/08/04 14:00	Received	04/09/04	15:00					Q
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
1,1,2-Trichloroethane	ND	25.0	"		**	**	n	n	
Trichloroethene	ND	25.0	**	**	**	**	**	#	
Trichlorofluoromethane	ND	25.0	**	Ħ	21	*	**	Ħ	
1,2,4-Trimethylbenzene	ND	25.0		Ħ	**	**		н	
1,3,5-Trimethylbenzene	ND	25.0	**		**	*	**	87	
Vinyl chloride	ND	25.0	**	**	Ħ	*	•	**	G14
Total Xylenes	ND	25.0	**	**	#	#	#	11	
Surrogate: 1,2-Dichloroethane-d4	!	115%	65.4-	150	"	"	*	H	
Surrogate: Dibromofluoromethan	e	96.2 %	71.1-	141	"	*	•	"	
Surrogate: 4-Bromofluorobenzene		88.3 %	66.8-	137	"	"	"	"	
Surrogate: Toluene-d8		79.7 %	68.5-	146	77	,,	"	"	
GP-10 10-12 (W404116-10) Soil	Sampled: 04/08/04 15	00 Receiv	ved: 04/09/	04 15:00	•				QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Bromobenzene	ND	25.0	Ħ	•	**	**	**	**	
Bromodichloromethane	ND	25.0	Ħ	**	H	P	••	**	
n-Butylbenzene	ND	25.0	**	**	н	*	•	**	
sec-Butylbenzene	ND	25.0	**	**	**	••		. •	
tert-Butylbenzene	ND	25.0	**	#	••	**	**	*	
Carbon tetrachloride	ND	25.0	**	#1	**	, н	**	Ħ	
Chlorobenzene	ND	25.0	**	**	**		**	•	
Chloroethane	ND	25.0	**	n		**	**	,,	
Chloroform	ND	25.0		**	••	**	*	**	
Chloromethane	ND	25.0	*1		*	Ħ	**	**	
2-Chlorotoluene	ND	25.0	**	•	Ħ	**	#1	**	
2-Chlorotoluene 4-Chlorotoluene			e: #1	"	91	"	#	91 91	
	ND	25.0						**	
4-Chlorotoluene	ND ND	25.0 25.0	#1	n		•		# # #	
4-Chlorotoluene Dibromochloromethane	ND ND ND	25.0 25.0 25.0	*1	97 91	**	#	#1 #1	** ** ** ** ** ** ** ** ** ** ** ** **	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane	ND ND ND ND	25.0 25.0 25.0 25.0	91 91 91	11 11	81 91 91	11 11	#1 #1	" " " " " " " " " " " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane	ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0	**	11 11 11	81 81 81	#1 #1 #1	#1 #1	" " " " " " " " " " " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene	ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0	# # # # # # # # # # # # # # # # # # #	27 21 21 11	89 89 89 89	11 11 11	#1 #1	" " " " " " " " " " " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0	11 11 11 11	** ** ** ** ** **	87 87 89 89 81	17 17 17 17 17	#1 #1	" " " " " " " " " " " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	" " " " " "	" " " " "	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11	** ** ** ** ** ** **		
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane	ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	" " " " " "	" " " " "	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11	** ** ** ** ** ** **	" " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane	ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	11 11 11 11 11 11 11 11 11 11 11 11 11	" " " " "	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11	** ** ** ** ** ** **	" " " " " " " " " " " " " "	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane	ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	" " " " " " " " " " " " " "	*** ** ** ** ** ** ** ** ** ** ** ** **	**	**	**	#1 #1	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane	ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	*** ** ** ** ** ** ** ** ** ** ** ** **	***	**	**	#1 #1	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	*** ** ** ** ** ** ** ** ** ** ** ** **	**	**	**	#1 #1	
4-Chlorotoluene Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND ND	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	** ** ** ** ** ** ** ** ** ** ** ** **	*** ** ** ** ** ** ** ** ** ** ** ** **	***	**	**	#1 #1	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

- ;

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-10 10-12 (W404116-10) Soil	Sampled: 04/08/04 15:00	Recei	ved: 04/09	/04 15:00		·· · · · · · · · · · · · · · · · ·	***************************************		Q
Di-isopropyl ether	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/20/04	EPA 8260B	
Ethylbenzene	ND	25.0	**	#1	*	**	•	**	
Hexachlorobutadiene	ND	25.0	**	Ħ	**	**	**	*	
sopropylbenzene	ND	25.0	н	**	**	Ħ	*	H	
p-Isopropyltoluene	ND	25.0	1 1	•	P	н	**	**	
Methylene chloride	ND	100	H	. "	••	*	•	•	
Methyl tert-butyl ether	ND	25.0	**	H	*	*	*	Ħ	
Naphthalene	ND	25.0	**	•	**	*	**	*	
n-Propylbenzene	ND	25.0	**	*	•	•	**	•	
1,1,2,2-Tetrachloroethane	ND	25.0	*1	**	**	**	**	**	
Tetrachloroethene	ND	25.0	"	**	**	*	**	n	
l'oluene	ND	25.0	**	*1	n	•	71	**	
1,2,3-Trichlorobenzene	ND	25.0	**	**	**	**		**	
,2,4-Trichlorobenzene	ND	25.0	**	"	н	n	n	*	
,1,1-Trichloroethane	ND	25.0	**	**	*	n	*	#	
,1,2-Trichloroethane	ND	25.0	**	**	n	*		**	
Trichloroethene	ND	25.0	**	**	**			**	
Trichlorofluoromethane	ND	25.0		**	**	n		н	
,2,4-Trimethylbenzene	ND	25.0	*1	**	**	**	**	n	
,3,5-Trimethylbenzene	ND	25.0	**	•1	**	•	Ħ	•	
Vinyl chloride	ND	25.0	•	*	**		H	*	G14
Total Xylenes	ND	25.0	**	**	**	**	n -	m ·	
Surrogate: 1,2-Dichloroethane-d4		09 %	65.4-	150	"	"	,,	"	
Surrogate: Dibromofluoromethane	9	2.9 %	71.1-		"	*	**	*	
Surrogate: 4-Bromofluorobenzene		0.5 %	66.8-		"	,,	*	,,	
Surrogate: Toluene-d8		4.1 %	68.5-		,,		*	*	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Receive	d: 04/09/04	15:00					QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
Bromobenzene	ND	25.0	**	ti	**	**	*	н	
Bromodichloromethane	ND	25.0	Ħ	*1	**	•	*	**	
n-Butylbenzene	ND	25.0	. *1	**	**	•		H	
sec-Butylbenzene	ND	25.0	Ħ	*	"	•	**	*	
tert-Butylbenzene	ND	25.0	**	**	**	"	*	•	
Carbon tetrachloride	ND	25.0	"	**	**	**	*	•	
Chlorobenzene	ND	25.0	**	**	*	"	*	H	
Chloroethane	ND	25.0	••	Ħ	**	H	*	н	
Chloroform	ND	25.0	**	Ħ	**	"		•	
Chloromethane	ND	25.0	91	Ħ	**	н	*	*	
2-Chlorotoluene	ND	25.0	••		H	**	**	•	
4-Chlorotoluene	ND	25.0	11	**	# .	*	**	**	
Dibromochloromethane	ND	25.0	*1	**	**	n		#	
1,2-Dibromo-3-chloropropane	ND	25.0	**	*	**	**	**	•	
1,2-Dibromoethane	ND	25.0	*1	,,	**	* 11	**	**	
1,2-Dichlorobenzene	ND	25.0	**	"	**	Ħ	**	**	
1,3-Dichlorobenzene	ND	25.0	61	"		**	•	Ħ	
1,4-Dichlorobenzene	ND	25.0	**	**	••	H	*	**	
Dichlorodifluoromethane	ND	25.0	**	**		,	#1	#	
1,1-Dichloroethane	ND	25.0	**	**	**	"	**		
1,2-Dichloroethane	ND	25.0	81	**	"	**	*	**	
1,1-Dichloroethene	ND	25.0	,		"	**			
cis-1,2-Dichloroethene	ND	25.0	*	**	,,	n	*	**	
trans-1,2-Dichloroethene	ND	25.0	,,	,		" "			
1,2-Dichloropropane	ND	25.0	,,	,,	**	#			
1,3-Dichloropropane	ND	25.0	,,	"	91	,	,		
2,2-Dichloropropane	ND	25.0	"	,,	**	,		,	
Di-isopropyl ether	ND	25.0		*	**	" "			
Ethylbenzene	ND	25.0	**					**	
Hexachlorobutadiene	ND	25.0	,,	**	**	,	**	**	
Isopropylbenzene	ND	25.0	*				**		
p-Isopropyltoluene	ND	25.0	,,		*		*		
Methylene chloride	ND	100		н.					
Methyl tert-butyl ether	ND	25.0	**			-	**		
Naphthalene	ND	25.0	"	**		π			
n-Propylbenzene	ND	25.0		**				н	
1,1,2,2-Tetrachlorocthane	ND	25.0							
Tetrachloroethene	ND	25.0		,,				-	
Toluene	ND	25.0		**		#1	*	•	
1,2,3-Trichlorobenzene	ND	25.0	"		**	- "			
1,2,4-Trichlorobenzene	ND	25.0	**	**	ti .	Ħ	**	**	

Great Lakes Analytical--Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

		Reporting	Anaiytic						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Receive	d: 04/09/04	15:00					QC
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
1,1,2-Trichloroethane	ND	25.0	**	**	**	**	*	**	
Trichloroethene	ND	25.0	#1	*1	**	H	**	Ħ	
Trichlorofluoromethane	ND	25.0	**	**	**	•	•		
1,2,4-Trimethylbenzene	ND	25.0	**	**	**	•	*	**	
1,3,5-Trimethylbenzene	ND	25.0	**	**	**		,	n	
Vinyl chloride	ND	25.0	**	**	**		*	*	G14
Total Xylenes	ND	25.0		**	**		**		
Surrogate: 1,2-Dichloroethane-d4		104 %	65.4-		**	*	"	*	
Surrogate: Dibromofluoromethane		91.4 %	71.1-		"	"	*	"	
Surrogate: 4-Bromofluorobenzene		81.7 %	66.8-		"	"	,,	*	
Surrogate: Toluene-d8		80.1 %	68.5-	146	ø	*	•	"	
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Receive	1: 04/09/04	15:00	,				QC
Benzene	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
Bromobenzene	ND	25.0	**	**	*	н	**	n	
Bromodichloromethane	ND	25.0	11	*1	**	n	**	**	
n-Butylbenzene	ND	25.0	**		**	#1	**	•1	
sec-Butylbenzene	ND	25.0	#1	**	**	**	**	**	
tert-Butylbenzene	ND	25.0	n	**	"	n	. "	**	
Carbon tetrachloride	ND	25.0	n	**	••	**	**	•• *	
Chlorobenzene	ND	25.0	*1	"	**	#	*	**	
Chloroethane	ND	25.0	"	11	11	Ħ	**		
Chloroform	ND	25.0	•	**	**		91	#	
Chloromethane	ND	25.0		**	#	**	**	•	
2-Chlorotoluene	ND	25.0	#	"	**	*	**	•	
4-Chlorotoluene	ND	25.0	11	**	**	•	#	•	
Dibromochloromethane	ND	25.0	**	•	**	**	*	n ,	
1,2-Dibromo-3-chloropropane	ND	25.0	•	**	**	•	•	**	
1,2-Dibromoethane	ND	25.0	**	**	11	H	*	Ħ	
1,2-Dichlorobenzene	ND	25.0	11	n	ŧı	n	*	Ħ	
1,3-Dichlorobenzene	ND	25.0	**	**	11	H	**	n	
1,4-Dichlorobenzene	ND "	25.0	**	н	•	**	M	н	
Dichlorodifluoromethane	ND	25.0	**	"	Ħ	Ħ	**	н	
1,1-Dichloroethane	ND	25.0	Ħ		**	**	**		
1,2-Dichloroethane	ND	25.0	*	#1	**	**	**	•	
1,1-Dichloroethene	ND	25.0		**	**		*	**	
cis-1,2-Dichloroethene	ND	25.0	Ħ	**	*	**	**	•	
trans-1,2-Dichloroethene	ND	25.0		**	**	**	**	11	
1,2-Dichloropropane	ND	25.0	*1			**	H	**	
1,3-Dichloropropane	ND	25.0	**	**	**	. "	**	**	
2,2-Dichloropropane	ND	25.0	ŧı		••	=	*	er	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Receive	d: 04/09/04	15:00					QC
Di-isopropyl ether	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
Ethylbenzene	ND	25.0	**	**	••	'n	*		
Hexachlorobutadiene	ND	25.0	**	**	**	**	n	#	
lsopropylbenzene	ND	25.0	**	**	\$1	•		**	
o-Isopropyltoluene	ND	25.0	*	**	**	*	Ħ	**	
Methylene chloride	ND	100	*	#1	**	*		**	
Methyl tert-butyl ether	ND	25.0	Ħ	*	**	**	•	Ħ	
Naphthalene	ND	25.0	n	**	97		**	n	
n-Propylbenzene	ND	25.0	**	**	**	**	91	**	
1,1,2,2-Tetrachloroethane	ND	25.0	**	**	**	**	••	•	
Tetrachloroethene	ND	25.0	**		**	**	**	**	
Toluene	ND	25.0	••	**	91	n	**	**	
1,2,3-Trichlorobenzene	ND	25.0	**	Ħ			**		
1,2,4-Trichlorobenzene	ND	25.0	**	**	**	Ħ	Ħ	#	
1,1,1-Trichloroethane	ND	25.0	Ħ	*1	"	•	Ħ		
1,1,2-Trichloroethane	ND	25.0	**	**	#	Ħ	**	n	
Trichloroethene	ND	25.0	**	**	*	**	**	n	
Trichlorofluoromethane	ND	25.0	**		**	п	Ħ	m	
1,2,4-Trimethylbenzene	ND	25.0	ti	"	н	Ħ	*	**	
,3,5-Trimethylbenzene	ND	25.0	11	**	91	*	#	*	
Vinyl chloride	ND	25.0	n	Ħ	•	,,	**	•	G14
Total Xylenes	ND	25.0	**	11	**	**	"	Ħ	
Surrogate: 1,2-Dichloroethane-d	4	128 %	65.4-	150	**	"	"	pr	
Surrogate: Dibromofluoromethai		105 %	71.1-	141	•	**	"	m	
Surrogate: 4-Bromofluorobenzen		105 %	66.8-		,,	**	,,	"	
Surrogate: Toluene-d8		100 %	68.5-		•	,,	**	H	

Great Lakes Analytical--Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Received	1: 04/09/04	15:00	· · · · · · · · · · · · · · · · · · ·		<u> </u>	· · · · · · · · · · · · · · · · · · ·	Q
Benzene	ND		ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
Bromobenzene	ND	25.0	**	**	,,	•	•	•	
Bromodichloromethane	ND	25.0	**	*	**	**	**	**	
n-Butylbenzene	ND	25.0	**	**	*	**	' и	**	
sec-Butylbenzene	ND	25.0	**	*1	**	#	H	m .	
tert-Butylbenzene	ND	25.0	**	**	**		• •	**	
Carbon tetrachloride	ND	25.0	**	**	**	**	**		
Chlorobenzene	ND	25.0	**	•	•	*	•	•	
Chloroethane	ND	25.0	**	"	**	**	*	**	
Chloroform	ND	25.0	**	•1	*	**	n	**	
Chloromethane	ND	25.0	**	*	Ħ	Ħ	*	n	
2-Chlorotoluene	ND	25.0	H	"		•	#	Ħ	
4-Chlorotoluene	ND	25.0_	**				*	ti .	
Dibromochloromethane	ND	25.0	•	**	**	Ħ	#	**	
1,2-Dibromo-3-chloropropane	ND	25.0		"	**		•	**	
1,2-Dibromoethane	ND	25.0	at .	11	**	*		n	
1,2-Dichlorobenzene	ND	25.0	**		**	n	**	**	
1,3-Dichlorobenzene	ND	25.0	*	H	**		Ħ	n	
1,4-Dichlorobenzene	ND	25.0	**	**	**	n		н	
Dichlorodifluoromethane	ND	25.0	**	t t	•	n	**	,,	
1,1-Dichloroethane	ND	25.0	**	**	**		**	**	
1,2-Dichloroethane	ND	25.0	**	**	**		71	**	
1,1-Dichloroethene	ND	25.0	* 94	**	**		*	н	
cis-1,2-Dichloroethene	ND	25.0	11	11	**	**		**	
rans-1,2-Dichloroethene	ND	25.0	**	ŧı	Ħ	н	,	*	
1,2-Dichloropropane	ND	25.0	**	•	•	**	n	н	
1,3-Dichloropropane	ND	25.0	**	**	••	**	. ,	,,	
2,2-Dichloropropane	ND	25.0	**			**	,,	H	
Di-isopropyl ether	ND	25.0	11	**	**	**	**	**	
Ethylbenzene	ND	25.0	**	н	*	*	**	••	
Hexachlorobutadiene	ND	25.0	*1	**	*1	**		11	
sopropylbenzene	ND	25.0	**			**	**	,	
p-Isopropyltoluene			11	11		,			
Methylene chloride	ND .	25.0					**	,,	
Methyl tert-butyl ether	ND	100							
Naphthalene	ND	25.0							
	ND	25.0		**	*		-	-	
n-Propylbenzene	ND	25.0		н -		π	**		
1,1,2,2-Tetrachloroethane	ND	25.0		"	**	•	*	*	
Tetrachloroethene	ND	25.0	**	**	"	."	n	•	
Toluene	ND	25.0	**	**	ŧr	Ħ	*	**	
,2,3-Trichlorobenzene	ND	25.0	**	**		- "	Ħ	Ħ	
,2,4-Trichlorobenzene	ND	25.0	•	# ·	*	Ħ	Ħ	#	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not⇔
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Receive	d: 04/09/04	15:00					QC
1,1,1-Trichloroethane	ND	25.0	ug/kg dry	50	4040066	04/16/04	04/17/04	EPA 8260B	
1,1,2-Trichloroethane	ND	25.0	**	H		н	*	*1	
Trichloroethene	ND	25.0	**	**	**		Ħ	#	
Trichlorofluoromethane	ND	25.0	n	**	*	"	20	Ħ	
1,2,4-Trimethylbenzene	ND	25.0	•	**	**	•	*	**	
1,3,5-Trimethylbenzene	ND	25.0		**	**		n	н	
Vinyl chloride	ND	25.0	•	**	**	**	•	**	G1-
Total Xylenes	ND	25.0	**	**	**	#	**	*	
Surrogate: 1,2-Dichloroethane-d4		111%	65.4-	150	"	•	,	"	
Surrogate: Dibromofluoromethan		94.3 %	71.1-	.141	*	•	•	•	
Surrogate: 4-Bromofluorobenzene		92.3 %	66.8-		n	*	#	n	
Surrogate: Toluene-d8		85.3 %	68.5-		H	"	,	•	
TRIP BLANK (W404116-14) M	eOH Blank Sampled: 04	J/08/04 ⁻ 00	:00 Rece	ived: 04/0	9/04 15:00	0			
Benzene	ND	25.0	ug/l	50	4040067	04/16/04	04/17/04	EPA 8260B	
Bromobenzene	ND	25.0	#		**	н	*	#	
Bromodichloromethane	ND	25.0	**	**	· n	*	**	**	
n-Butylbenzene	ND	25.0	**	**	**	*	**	**	
sec-Butylbenzene	ND	25.0	**	**		#	*	**	
tert-Butylbenzene	ND	25.0	**	•1	**	*	**	n	
Carbon tetrachloride	ND	25.0	••	**		n	**	**	
Chlorobenzene	ND	25.0	n	Ħ	**	,,		и .	
Chloroethane	ND	25.0	**	br	**		**	•	
Chloroform	ND	25.0	Ħ	**	**		**	•	
Chloromethane	ND	25.0	•		**	H		**	
2-Chlorotoluene	ND	25.0	**	**	**	,,	**		
4-Chlorotoluene	ND	25.0	**	**	**		**	*	
Dibromochloromethane	ND ND	25.0	**	**	,,	,,	**		
1,2-Dibromo-3-chloropropane	ND	25.0		**	Ħ		*	*	
1,2-Dibromoethane	ND	25.0		#				**	
1,2-Dichlorobenzene	ND	25.0	**	•1	**	**	R	**	
1,3-Dichlorobenzene			**	**	**		n	•	
·	ND	25.0					,		
1,4-Dichlorobenzene Dichlorodifluoromethane	ND ··	25.0	"	<u>"</u> .					
	ND	25.0					-		
1,1-Dichloroethane	ND	25.0					"		
1,2-Dichloroethane	ND	25.0					*	**	
1,1-Dichloroethene	ND	25.0	. "	**	#	₩	91	**	
cis-1,2-Dichloroethene	ND .	25.0	**	**		**	ti.	#	
trans-1,2-Dichloroethene	ND	25.0	**	**	н	#	*	41	
1,2-Dichloropropane	ND	25.0	**	••	**	**	Ħ	**	
1,3-Dichloropropane	ND	25.0	Ħ	**	**	- "	H	#	
2,2-Dichloropropane	ND	25.0	Ħ	*1	**	n	Ħ	•	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TRIP BLANK (W404116-14) MeOH Blank	Sampled:	04/08/04 00:	00 Rece	ived: 04/0	9/04 15:00)			
Di-isopropyl ether	ND	25.0	ug/l	50	4040067	04/16/04	04/17/04	EPA 8260B	
Ethylbenzene	ND	25.0	11	**	**	**	*	*	
Hexachlorobutadiene	ND	25.0	**	**	**	**	Ħ	#	
Isopropylbenzene	ND	25.0	H	**	**	**	H	**	
p-Isopropyltoluene	ND	25.0	**	71	•1	**		**	
Methylene chloride	ND	100	#1	**	Ħ	H	*		
Methyl tert-butyl ether	ND	25.0	**	*	**	•	*	**	
Naphthalene	ND	25.0	**	**	**	*	Ħ	**	
n-Propylbenzene	ND	25.0	Ħ	**	*	•	*	M	
1,1,2,2-Tetrachloroethane	ND	25.0	. "	Ħ	**	**	**	•	
Tetrachloroethene	ND	25.0	"	*	*	**	•	n	
Toluene	ND	25.0	*1	,,	**	Ħ	*	**	
1,2,3-Trichlorobenzene	ND	25.0	**	*	٠,	*		н	
1,2,4-Trichlorobenzene	ND	25.0	87	91	91	**	H	**	
1,1,1-Trichloroethane	ND	25.0		•		"	n	#	
1,1,2-Trichloroethane	ND	25.0	•	**	*	*	Ħ	#	
Trichloroethene	ND	25.0	n	91	**		*	Ħ	
Trichlorofluoromethane	ND	25.0	**	,,	*	**	Ħ	, #	
1,2,4-Trimethylbenzene	ND	25.0	**	*1	**	н.,	•	**	
1,3,5-Trimethylbenzene	ND	25.0	н	**	**	**	*	**	
Vinyl chloride	ND	25.0	**	**	**	н	•	**	G14
Total Xylenes	ND	25.0	11	**	17	**	n	Ħ	
Surrogate: Dibromosluoromethane		96.8 %	70-1.	30	"	,	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-1.		n	n	"	"	
Surrogate: Toluene-d8		88.8 %	70-1.		n	H	H	#	
Surrogate: 4-Bromofluorobenzene		94.8 %	70-1.		"	,,	,,	,,	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received	: 04/09/04	15:00					
Mercury	ND		mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	5.80	2.94		**	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	33.4	29.4	•	•	**	*	•	**	
Cadmium	ND	0.588	*	**	**	**	*	**	
Chromium	13.9	0.588	**	*	**	•	**	*	
Lead	12.5	5.88	**	**	**	**		н	
Selenium	ND	2.94	*	•	•		•	•	
Silv er	ND	2.94	**	•	**	**	•	m	
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received	: 04/09/04	15:00					
Mercury	ND	0.0484	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	4.33	3.03	**	**	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	49.6	30.3	**	Ħ		n	•	n	
Cadmium	ND	0.605	Ħ		81	m	PI .	Ħ	•
Chromium	16.4	0.605	•	•	**	•	*		
Lead	12.2	6.05	**	•	**	m	•	•	
Selenium	ND	3.03	**	•	**	*	**	•	
Silver	ND	3.03		n	•	•	Ħ	n	
GP-3 4-6 (W404116-03) Soil	Sampled: 04/08/04 10:35	Received	: 04/09/04 1	5:00					
Mercury	ND	0.0476	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	9.22	2.97	**	*1	4040336	04/14/04	04/14/04	EPA 6010B	
Barium-	30.4	29.7	þ í	**		**	п	**	
Cadmium	ND	0.595	**	**		H	**	**	
Chromium	28.9	0.595	**	**	•	**		**	
Lead	12.6	5.95	**	**	•	**	н	н	
Selenium	ND	2.97	**	**	11	. #		n	
Silver	ND	2.97	11	**		•		**	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
GP-4 10-12 (W404116-04) Soil	Sampled: 04/08/04 11:1	0 Receiv	ed: 04/09/0	4 15:00					
Mercury	ND	0.0415	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	ND	3.01	Ħ	Ħ	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	ND	30.1	**	*	**	**	**	#	
Cadmium	ND	0.602	**	Ħ	**	n	•	**	
Chromium	16.0	0.602	*1	**	*	*	**	**	
Lead	18.6	6.02	Ħ	н	*	n	*	n	
Selenium	ND	3.01	**		•	**	#	**	
Silv er	ND	3.01	**	n	**	n	**	**	
GP-5 2-4 (W404116-05) Soil S	ampled: 04/08/04 11:40	Received	: 04/09/04	15:00					
Mercury	0.0789	0.0494	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	6.70	3.09	m	**	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	55.2	30.9			<u> </u>	<u>"</u>	H .	*	
Cadmium	ND	0.618	*1	H	Ħ	**	*	#	
Chromium	19.6	0.618	**	Ħ	н				
Lead	11.7	6.18	**	н	•	*	•	. н	
Selenium	ND	3.09	•	*	*	**	**	•	
Silver	ND	3.09	**		•	•	Ħ	81	
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Receive	d: 04/09/04	15:00					
Mercury	ND	0.0484	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	3.34	3.03		**	4040336	04/14/04	04/14/04	EPA 6010B	
Barium :	44.2	30.3	**	**	91	•	*		
Cadmium	ND	0.606	**	**	**			#	
Chromium	16.1	0.606		Ħ	**	**	#	Ħ	
Lead	8.50	6.06	**	**	n	H	*	n	
Selenium	ND	3.03		•	*	H	•	**	
Silver	ND	3.03	Ħ	**	**	tr			

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Receive	d: 04/09/04	15:00					
Mercury	ND	0.0476	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	6.66	2.98	**	n	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	ND	29.8	**	н ,	**	۳.,	*	*	
Cadmium	ND	0.595	*1	**	et	**	**	•	
Chromium	8.54	0.595	**	"	**	**		•	
Lead	9.71	5.95	**	r	**	*	Ħ	m	
Selenium	ND	2.98	•	**	67	#	•	Ħ	
Silver	ND	2.98	•	**		•	*	**	
GP-8 2-4 (W404116-08) Soil	Sampled: 04/08/04 13:15	Received	: 04/09/04	L5:00			_		
Mercury	ND	0.0420	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	3.62	2.94	**	**	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	57.5	29.4	11	tr .	n .	**	н .	. "	
Cadmium	ND	0.589	**	#1	•	n		#	
Chromium	15.8	0.589	*	**	"		**	**	
Lead	15.6	5.89	ŧ	**	"	**	**	H	
Selenium	ND	2.94	*	**		n		**	
Silver	ND	2.94	Ħ	**	"	11	Ħ	Ħ	
GP-9 2-4 (W404116-09) Soil	Sampled: 04/08/04 14:00	Received	: 04/09/04	15:00					
Mercury	0.957	0.500	mg/kg dry	10	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	17.8	3.13	**	1	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	72.3	31.3	*1	**	**	**	**	Ħ	
Cadmium	ND	0.625	**	**	87	**	*	•	
Chromium	795	6.88	**	11	**	*	04/15/04	**	
Lead	86.9	6.25	**	1	**	**	04/14/04	**	
Selenium	ND	3.13	"	•	**	11	*	•	
Silver	ND	3.13	,,	11		*	**	Ħ	

Great Lakes Analytical--Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing Project Number: 04013 Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-10 10-12 (W404116-10) Soil	Sampled: 04/08/04 15:	00 Recei	ved: 04/09/	04 15:00			-		
Mercury	ND	0.0474	mg/kg dry	ī	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	3.24	2.96	**	•	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	58.1	29.6	**	*	••		•	**	
Cadmium	ND	0.592	Ħ	n	Ħ	**	**	**	
Chromium	17.1	0.592	*	•	n	**	**	**	
Lead	8.33	5.92	m	**	**		**	Ħ	
Selenium	ND	2.96	Ħ	**	**	**	**	*	
Silv er	ND	2.96	#	**	**	. *		*	
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Receive	d: 04/09/04	15:00					
Mercury	0.501	0.230	mg/kg dry	5	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	27.0	3.22	**	1	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	91.9	32.2						<u> </u>	
Cadmium	ND	0.644	Ħ	*	81	**		*	
Chromium	1760	7.08		11	*	Ħ	04/15/04		
Lead	43.4	6.44	**	1	**	m	04/14/04	Ħ	
Selenium	ND	3.22	•	**		Ħ	91	Ħ	
Silv er	ND	3.22	**	**	**	**	Ħ	n	
GP-12 2-4 (W404116-12) Soil S	Sampled: 04/08/04 15:55	Receive	d: 04/09/04	15:00					
Mercury	ND	0.0420	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	ND	2.62	**	*	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	ND	26.2	**	**	**	*	m	n	
Cadmium	ND	0.525	tr .		**		**	#	
Chromium	8.31	0.525	•	**	"	**	n	•	
Lead	ND	5.25	**	n	Ħ	**	*	Ħ	
Selenium	ND	2.62	**	**	**	**	*	**	
Silver	ND	2.62	**	**	**	*	**	**	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Receive	d: 04/09/04	15:00					
Mercury	ND	0.0411	mg/kg dry	1	4040296	04/13/04	04/13/04	EPA 7471A	
Arsenic	3.51	2.98	**	11	4040336	04/14/04	04/14/04	EPA 6010B	
Barium	53.2	29.8	**	**	Ħ	n	•	**	
Cadmium	ND	0.597	**	**	**	Ħ	n	**	
Chromium	17.1	0.597	**	**	#	**	•	m	
Lead	8.39	5.97	**				71	,	
Selenium	ND	2.98	**	**	**	**	•	•	
Silver	ND	2.98	*	•	91	Ħ	11	#	

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Deborah L. Lowe For Andrea Stathas, Project Manager



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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received	: 04/09/04	15:00					Q
Acenaphthene	ND	118	ug/kg dry	1	4040344	04/14/04	04/16/04	EPA 8310	
Acenaphthylene	ND	235	tr	**	**	**			
Anthracene	ND	118	Ħ	**	*	•	**	#	
Benz (a) anthracene	ND	58.8	*	**	**	*		**	
Benzo (a) pyrene	ND	5.88	**	"	*1	•	**	**	
Benzo (b) fluoranthene	ND	58.8	*I	**	**	H	**	**	
Benzo (ghi) perylene	ND	118	**	, "	**	*		**	
Benzo (k) fluoranthene	ND	118	**	**	*1	**	**	н	
Chrysene	ND	118	**	11	**	**	н	**	
Dibenz (a,h) anthracene	ND	5.88	*	**		**	*	*1	
Fluoranthene	ND	118	*1	*	**	**	**	**	
Fluorene	ND	118		**	₩.	•	•	**	
Indeno (1,2,3-cd) pyrene	ND	58.8	*	**	" .				
1-Methylnaphthalene	ND	118	**	**	H	**	*1	**	
2-Methylnaphthalene	ND	118	,,	**		**	•	91	
Naphthalene	ND	118	**	Ħ	**	**	#	er	
Phenanthrene	ND	118	**	n	n		Ħ	**	
Pyrene	ND	118	**	ŧi	**	n		Ħ	
Surrogate: Carbazole		21.1 %	20.8-	128	n	"	#	"	
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received	: 04/09/04	15:00					QC
Acenaphthene	ND	121	ug/kg dry	1	4040344	04/14/04	04/16/04	EPA 8310	
Acenaphthylene	ND	242		**		#		e	
Anthracene	ND	121	Ħ	**	•	"	**	11	
Benz (a) anthracene	ND	60.5	•	**		Ħ	н .	ŧı	
Benzo (a) pyrene	ND	6.05	**	**		Ħ	**	Ħ	
Benzo (b) fluoranthene	ND	60.5	•	**	•	**		Ħ	
Benzo (ghi) perylene	ND	121	,,	**	61	#	*	•	
Benzo (k) fluoranthene	ND	121	**	**	•	**	*	**	
Chrysene	ND	121	**	n	**	11			
Dibenz (a,h) anthracene	ND	6.05	**	**	**	*	n	**	
Fluoranthene	ND	121	н	**	**	*1	H	••	
Fluorene	ND	121	**	**	**	**	"	Ħ	
Indeno (1,2,3-cd) pyrene	ND	60.5	**	,, .	"	Ħ			
1-Methylnaphthalene	ND	121	,,	•				**	
2-Methylnaphthalene	ND	121	**	11	**	**	H	**	
Naphthalene	ND	121	**	**	**	**	•	#	
Phenanthrene	ND ND	121		•		**	**	**	
Pyrene	ND	121	Ħ	**		**	**		
Surrogate: Carbazole	1170	42.6 %	20.8-	128				,,	
om, oguic. Curouzoie	•	42.0 70	20.0-	120					

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GP-3 4-6 (W404116-03) Soil	Sampled: 04/08/04 10:35	Received	: 04/09/04	15:00					Q
Acenaphthene	ND		ug/kg dry	1	4040344	04/14/04	04/16/04	EPA 8310	
Acenaphthylene	ND	238	•	**		•	#	**	
Anthracene	ND	119	"	"	**	#	**	Ħ	
Benz (a) anthracene	ND	59.5	**	91		**	**	**	
Benzo (a) pyrene	10.7	5.95	H	•	**	Ħ		Ħ	
Benzo (b) fluoranthene	ND	59.5	*1	**	n	BT .	•	•	
Benzo (ghi) perylene	ND	119	Ħ	**		**	•	**	
Benzo (k) fluoranthene	ND	119	H	•	**	77	•	•	
Chrysene	ND	119	*	**	**	n	•	n	
Dibenz (a,h) anthracene	ND	5.95	*	**	**	. #	**	*	
Fluoranthene	ND	119	11	**	n	Ħ	•	**	
Fluorene	ND	119	**	**	n	**	H	#	
Indeno (1,2,3-cd) pyrene	ND	59.5	**	**		•	Ħ	**	
1-Methylnaphthalene	ND	119	Ħ	**	**	Ħ	*	Ħ	
2-Methylnaphthalene	ND	119	**	••	**	**	•	to to	
Naphthalene	ND	119	Ħ	**	•	*	•		
Phenanthrene	ND	119	*1	**	**	**	n	Ħ	
Pyrene	ND	119	*	,,	**	**	**	•	
Surrogate: Carbazole		28.9 %	20.8	128	"	"	,	"	
GP-4 10-12 (W404116-04) Soil	l Sampled: 04/08/04 11:1	0 Receive	ed: 04/09/0	4 15:00					Q
Acenaphthene	ND	120	ug/kg dry	1	4040344	04/14/04	04/16/04	EPA 8310	
Acenaphthylene	ND	241	"	**	81	#	**	"	
Anthracene	ND	120	*1	*1					
Benz (a) anthracene				**		**	**	Ħ	
_ ``.	ND	60.2	n	"	*		#	H H	
Benzo (a) pyrene	ND ND	60.2 6.02	**			er er	** **	#1 #1	
Benzo (a) pyrene Benzo (b) fluoranthene				"	**	**	Ħ	•	
Benzo (b) fluoranthene	ND	6.02	**	11	#1 #1	**	er er	•	
Benzo (b) fluoranthene Benzo (ghi) perylene	ND ND	6.02 60.2	**	" "	91 11	**	er er	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	ND ND ND ND	6.02 60.2 120 120	# #	# # # # # # # # # # # # # # # # # # #	#1 #1 #1	#1 P1	## ## ##	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	ND ND ND ND ND	6.02 60.2 120 120 120	" "	" "	** ** ** ** ** **	11 11 11	67 67 69 61	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	ND ND ND ND ND ND	6.02 60.2 120 120	# # # # # # # # # # # # # # # # # # #	" " " " " " " " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** **	11 11 11	#1 #1 #1 #1 #1	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND	6.02 60.2 120 120 120 6.02 120	11 11 11 11	n n n	# # # # # # # # # # # # # # # # # # #	n n n	** ** ** ** ** ** ** ** ** ** ** ** **	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND	6.02 60.2 120 120 120 6.02 120	** ** ** ** ** ** ** ** **	" " " " " " " " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** ** ** ** **	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND ND ND ND ND ND ND ND ND ND ND	6.02 60.2 120 120 120 6.02 120 120 60.2	n n n	***	** ** ** ** ** ** ** ** ** ** ** ** **	**************************************	11 11 11 11 11 11 11 11 11 11 11 11 11	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	6.02 60.2 120 120 6.02 120 6.02 120 60.2 120	" " " " " " " "	***	** ** ** ** ** ** ** ** ** ** ** ** **	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	6.02 60.2 120 120 6.02 120 60.2 120 120 120	" " " " " " " " " " " " " " " " " " " "	***	** ** ** ** ** ** ** ** ** ** ** ** **	11 11 11 11 11 11 11 11 11 11 11 11 11	** ** ** ** ** ** ** ** ** ** ** ** **	•	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND ND ND ND	6.02 60.2 120 120 6.02 120 60.2 120 120 120 120	" " " " " " " " " " " "	*** *** *** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	*** *** *** *** *** *** *** *** *** **	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	
Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene Naphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	6.02 60.2 120 120 6.02 120 60.2 120 120 120	" " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11 11 11 11 11 11 11 11 11	** ** ** ** ** ** ** ** ** ** ** ** **	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 2-4 (W404116-05) Soil	Sampled: 04/08/04 11:40	Received	: 04/09/04	15:00					QC
Acenaphthene	ND	124	ug/kg dry	1	4040344	04/14/04	04/16/04	EPA 8310	
Acenaphthylene	ND	247	*	**	**	•		•	
Anthracene	ND	124	**			Ħ	•	TT .	
Benz (a) anthracene	ND	61.8	**	**	**	•		•	
Benzo (a) pyrene	ND	6.18	**	**	#		*	**	
Benzo (b) fluoranthene	ND	61.8	**	**	**	•	•	**	
Benzo (ghi) perylene	ND	124	*1	**	#		Ħ	**	
Benzo (k) fluoranthene	ND	124	**	**	n	Ħ	#	н	
Chrysene	ND	124	"	**		**	**	Ħ	
Dibenz (a,h) anthracene	ND	6.18		•	•	н	*	*	
Fluoranthene	ND	124	**	•		11	**	**	
Fluorene	ND	124	*	*1	**	**	**	н	
Indeno (1,2,3-cd) pyrene	ND	61.8	*		H .	,	•		
1-Methylnaphthalene	ND	124	**	*	**		•	#	
2-Methylnaphthalene	ND	124	**		**	н .	#	#	
Naphthalene	ND	124	**	**	**		**	#	
Phenanthrene	ND	124	**	91	**		**	**	
Pyrene	ND	124	n	**	**	и	•	#	
Surrogate: Carbazole		37.2 %	20.8-	128	"	*	n	"	
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Receive	d: 04/09/04	15:00					QC
Acenaphthene	ND	121	ug/kg dry	1	4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	242	"	19	••	Ħ	*		
Anthracene	ND			"					
D ()		121	••	,,	**	n		**	
Benz (a) anthracene	ND	121 60.6	11		**	# #	**		
Benz (a) anthracene Benzo (a) pyrene				,,			H H	**	
Benzo (a) pyrene	ND ND	60.6 6.06	**	"	**	#		**	
Benzo (a) pyrene Benzo (b) fluoranthene	ND ND ND	60.6 6.06 60.6	11	# # #	# #	11	H	**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene	ND ND ND ND	60.6 6.06 60.6 121	#1 #1	11 11 11	#1 #1	## ##	P1	**	
Benzo (a) pyrene Benzo (b) fluoranthene	ND ND ND ND ND	60.6 6.06 60.6	" "	11 11 11 11	97 99 91	# # # # # # # # # # # # # # # # # # #	P1	**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	ND ND ND ND ND ND	60.6 6.06 60.6 121 121 121	# # # # # # # # # # # # # # # # # # #	** ** ** ** ** ** ** **	97 91 91 91	11 11 11	P1	**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	ND ND ND ND ND ND ND	60.6 6.06 60.6 121 121 121 6.06	# # # # # # # # # # # # # # # # # # #	" " " " " " " " " " " " " " " " " " " "	97 91 91 99	11 11 11 11	P1	**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND	60.6 6.06 60.6 121 121 6.06 121	" " " "	" " " " " " " " " " " " " " " " " " " "	# # # # # # # # # # # # # # # # # # #	11 11 11 11		**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	ND ND ND ND ND ND ND ND	60.6 6.06 60.6 121 121 6.06 121	11 11 11 11 11	" " " " " " " " " " " " " " " " " " " "	n n n	**		**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	60.6 6.06 60.6 121 121 6.06 121 121 60.6	11 11 11 11 11	"""""""""""""""""""""""""""""""""""""""	*** ** ** ** ** ** ** ** ** ** **	**		**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	60.6 6.06 60.6 121 121 6.06 121 121 60.6 121	11 11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	*** *** *** ** ** ** ** ** ** ** ** **	**	***	**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	60.6 6.06 60.6 121 121 6.06 121 121 60.6 121 121	" " " " " " " " " " "	***	***	**		**	
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	60.6 6.06 60.6 121 121 6.06 121 121 60.6 121	***	" " " " " " " " " " " "	**	# # # # # # # # # # # # # # # # # # #	**	**	

39.0 %

20.8-128

Great Lakes Analytical--Oak Creek

Surrogate: Carbazole

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Receive	d: 04/09/04	15:00					QC
Acenaphthene	ND	119	ug/kg dry	1	4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	238	ŧ	**	**	n	•		
Anthracene	ND	119	H	*	. "		•	**	
Benz (a) anthracene	ND	59.5	Ħ	*	ŧŧ	*	*		
Benzo (a) pyrene	ND	5.95	**	•	**	*	•	•	
Benzo (b) fluoranthene	ND	59.5	**	*	*	*	•	*	
Benzo (ghi) perylene	ND	119	*	**	•	Ħ	•	,,	
Benzo (k) fluoranthene	ND	119	*			*	**	Ħ	
Chrysene	ND	119	n , .	Ħ	•	*	Ħ	н	
Dibenz (a,h) anthracene	ND	5.95	**	*	*	**	n	**	
Fluoranthene	ND	119	Ħ	Ħ	*	*			
Fluorene	ND	119	**		**	,,	n	#	
Indeno (1,2,3-cd) pyrene	ND	59.5	**	Ħ	۳.	*	m	#	
1-Methylnaphthalene	ND	119	**	•	**	•		n	
2-Methylnaphthalene	ND	119		**	*	•	•	**	
Naphthalene	ND	119	**				•	**	
Phenanthrene	ND	119	••	**	**	**	•	**	
Pyrene	ND	119	**	••	**		**	**	•
Surrogate: Carbazole		37.4 %	20.8-	128	"	"	. "	n	
GP-8 2-4 (W404116-08) Soil	Sampled: 04/08/04 13:15	Received:	: 04/09/04	15:00					QC
Acenaphthene	ND	118	ug/kg dry		4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	235	**	**	**	tr	#	**	
Anthracene	ND	118	**	*	**		•		
Benz (a) anthracene	ND	58.9	f t	•	**	m	•	**	
Benzo (a) pyrene	ND	5.89	**	*		*	*	**	
Benzo (b) fluoranthene	ND	58.9	**	**	**	Ħ	•	**	-
Benzo (ghi) perylene	ND	118	**	**	**		•		
Benzo (k) fluoranthene	ND	118	n	**	n	m		н	
Chrysene	ND	118	,,	*1		**		н	
Dibenz (a,h) anthracene	ND	5.89	n		*11	•	,,	n	
Fluoranthene	ND	118				n	•	**	
Fluorene	ND -	118	**	•	**	•		н	
Indeno (1,2,3-cd) pyrene	ND	58.9	••		n	**	•	n	
1-Methylnaphthalene	ND	118	**	**	H	•	•		
2-Methylnaphthalene	ND	118	**	•			*	**	
			**	**	**	**	**	,	
Naphthalene	Nij	117							
Naphthalene Phenanthrene	ND ND	118 118	ii .		**	pt .		•	

41.9 %

20.8-128

Great Lakes Analytical-Oak Creek

Surrogate: Carbazole

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
GP-9 2-4 (W404116-09) Soil	Sampled: 04/08/04 14:00	Received	: 04/09/04	15:00					Q
Acenaphthene	ND	125	ug/kg dry	1	4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	250	tı	*	*1	*	*	Ħ	
Anthracene	ND	125	P	**	Ħ	*	**	•	
Benz (a) anthracene	84.3	62.5	n	**	Ħ	*	•	**	
Benzo (a) pyrene	63.3	6.25	**	*	Ħ	*	Ħ	n	
Benzo (b) fluoranthene	ND	62.5	**	**	••	"	n	*	
Benzo (ghi) perylene	ND	125	*	**	**	*	•		
Benzo (k) fluoranthene	ND	125	Ħ	**	**	•	•	**	
Chrysene	ND	125		**	**	Ħ	**	*	
Dibenz (a,h) anthracene	6.30	6.25	n	H .	**	•	•	•	010
Fluoranthene	174	125	**	*	"	•	*1	#	
Fluorene	ND	125	n	•	н.			*	
Indeno (1,2,3-cd) pyrene	ND	62.5	**	**	• .	,	**	#	
1-Methylnaphthalene	ND	125	*1	*1	**	•	#	Ħ	
2-Methylnaphthalene	ND	125	"	**	**	**	**	Ħ	
Naphthalene	ND	125	**	**	Ħ	**	**	**	
Phenanthrene	147	125	**	**	r	**	Ħ	π	
Pyrene	ND	125	**	**	**	"	**	Ħ	
Surrogate: Carbazole		51.1 %	20.8-	128	"	"	"	n	
<i>Surrogate: Carbazole</i> GP-10 10-12 (W404116-10) S	oil Sampled: 04/08/04 15:				"	"	,,	"	QC
GP-10 10-12 (W404116-10) S	oil Sampled: 04/08/04 15:		ved: 04/09		4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) S Acenaphthene	-	00 Recei		/04 15:00			·····	·····	QC
GP-10 10-12 (W404116-10) S	ND	00 Recei	ved: 04/09 ug/kg dry	/04 15:00			·····	EPA 8310	QC
GP-10 10-12 (W404116-10) S Acenaphthene Acenaphthylene	ND ND	00 Recei	ug/kg dry	/04 15:00 1	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Se Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene	ND ND ND	00 Recei 118 237 118	ug/kg dry	/04 15:00 1 "	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Se Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene	ND ND ND ND	118 237 118 59.2	ug/kg dry	1 "	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	ND ND ND ND ND	118 237 118 59.2 5.92	ug/kg dry	1 " " " " " " " " " " " " " " " " " " "	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene	ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2	ug/kg dry	1 " " " " " " " " " " " " " " " " " " "	4040344	04/14/04	04/17/04	EPA 8310	QС
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118	ug/kg dry	/04 15:00 1 "	4040344	04/14/04	04/17/04	EPA 8310	бс
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	ND ND ND ND ND ND ND ND ND ND ND ND	00 Recei 118 237 118 59.2 5.92 59.2 118 118 118	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene	ND ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118 118	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	118 237 118 59.2 5.92 59.2 118 118 118 5.92	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	ND ND ND ND ND ND ND ND ND ND	00 Recei 118 237 118 59.2 5.92 59.2 118 118 5.92 118 118	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND ND ND ND ND ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118 118 5.92 118 118 59.2	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118 118 5.92 118 118 5.92 118	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Service Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118 118 118 5.92 118 118 59.2 118	ug/kg dry	/04 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	00 Recei 118 237 118 59.2 5.92 59.2 118 118 5.92 118 118 59.2 118 118	ug/kg dry	704 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC
GP-10 10-12 (W404116-10) Son Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene Naphthalene	ND ND ND ND ND ND ND ND ND ND ND ND ND	118 237 118 59.2 5.92 59.2 118 118 118 5.92 118 118 59.2 118	ug/kg dry	704 15:00	4040344	04/14/04	04/17/04	EPA 8310	QC

Great Lakes Analytical-Oak Creek

Statement of the College

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Receive	d: 04/09/04	15:00					Q
Acenaphthene	ND	129	ug/kg dry	1	4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	258	**	Ħ	**	11	••	#	
Anthracene	ND	129	**	**	Ħ	**	**	**	
Benz (a) anthracene	ND	64.4	**	**	**	**	••		
Benzo (a) pyrene	- 46.8	6.44	Ħ	**	#		**	**	
Benzo (b) fluoranthene	ND	64.4	**	**	Ħ	11	•	•	
Benzo (ghi) perylene	ND	129	**	**	. •	*	**	"	
Benzo (k) fluoranthene	ND	129	**	**	**	*	**	**	
Chrysene	ND	129	**	•	*	**	Ħ	#	
Dibenz (a,h) anthracene	ND	6.44	**	Ħ	H			Ħ	
Fluoranthene	ND	129	n	**		**	**	Ħ	
Fluorene	ND	129	11	•	п.			•	
Indeno (1,2,3-cd) pyrene	ND	64.4		**	٠.	**	n	**	
1-Methylnaphthalene	ND	129	**	**	11		•	Ħ	
2-Methylnaphthalene	ND	129	**	H ₁		ŧŧ	**	**	
Naphthalene	ND	129	**	**	Ħ	*1	Ħ	**	
Phenanthrene	ND	129	**		**	**	**	**	
Pyrene	ND	129	**	tr	**	Ħ	**	**	
Surrogate: Carbazole		36.1 %	20.8-	128	"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	" .	n	
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Received	d: 04/09/04	15:00					QC
Acenaphthene	ND	105	ug/kg dry	1	4040344	04/14/04	04/17/04	ED 4 0210	
Acenaphthylene								EPA 8310	
. reenaphary tene	ND	210	**	•	**	Ħ	#	EPA 8310	
Anthracene	ND ND	210 105	**	n n	"	#	n n		
Anthracene			11 11						
Anthracene Benz (a) anthracene	ND ND	105		•	"	••	# #		
Anthracene Benz (a) anthracene Benzo (a) pyrene	ND	105 52.5 5.25	**	H H	"	**	11 11		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	ND ND 5.68 ND	105 52.5 5.25 52.5	11	11 11	#1 #1	**	# # # # # # # # # # # # # # # # # # #		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene	ND ND 5.68 ND ND	105 52.5 5.25	#1 #1	# # # # # # # # # # # # # # # # # # #	#1 #1 #1	" " "	" "		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	ND ND 5.68 ND ND ND	105 52.5 5.25 52.5 105 105	11 17 14	11 11 11	21 21 21 21 21	" " " " " " " " " " " " " " " " " " " "	# # # # # # # # # # # # # # # # # # #		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	ND ND 5.68 ND ND ND ND	105 52.5 5.25 52.5 105 105	11 17 14	" " " " " " " " " " " " " " " " " " " "	#1 #1 #1 #1	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	ND ND 5.68 ND ND ND ND	105 52.5 5.25 52.5 105 105 105 5.25	11 17 14	" " " " " " " " " " " " " " " " " " " "	n n n	" " " " " " " " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** ** ** ** **		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene	ND ND 5.68 ND ND ND ND ND	105 52.5 5.25 52.5 105 105 105 5.25 105	" " " " " " " " " " " " " " " " " " " "	"" "" "" "" "" "" "" "" "" "" "" "" ""	" " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	**		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	ND ND 5.68 ND ND ND ND ND ND ND	105 52.5 5.25 52.5 105 105 5.25 105 105	11 11 11 11	" " " " " " " " " " " " " " " " " " " "	n n n	" " " " " " " " " " " " " " " " " " " "	***		
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND 5.68 ND ND ND ND ND ND ND	105 52.5 5.25 52.5 105 105 5.25 105 5.25 105 52.5	11 11 11 11 11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	" " " " " " " " " " " " " " " " " " " "	***	" " " " " " " " " " "		
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Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluoranthene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene Naphthalene	ND ND 5.68 ND ND ND ND ND ND ND ND ND ND	105 52.5 5.25 52.5 105 105 5.25 105 52.5 105 105 105	11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	**************************************	***	** ** ** ** ** ** ** ** ** ** ** ** **	"" "" "" "" "" "" "" "" "" "" "" ""	
Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene	ND ND 5.68 ND ND ND ND ND ND ND ND ND	105 52.5 5.25 52.5 105 105 5.25 105 105 52.5 105	11 11 11 11 11 11	" " " " " " " " " " " " " "	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Receive	d: 04/09/04	15:00					QC
Acenaphthene	ND	119	ug/kg dry	1	4040344	04/14/04	04/17/04	EPA 8310	
Acenaphthylene	ND	239	**			•	**	n	
Anthracene	ND	119	H	**	**	#	**	**	
Benz (a) anthracene	ND	59.7	**	91	**	**	**	H	
Benzo (a) pyrene	ND	5.97	Ħ	**	? 1	Ħ		n	
Benzo (b) fluoranthene	ND	59.7	**	Ħ	**	Ħ	**	**	
Benzo (ghi) perylene	ND	119		Ħ	**	Ħ	*	**	
Benzo (k) fluoranthene	ND	119	w	ŧ	91	Ħ	#	**	
Chrysene	ND	119	n	*	#	H	**	••	
Dibenz (a,h) anthracene	ND	5.97	**	**	n	**	*	**	
Fluoranthene	ND	119	**	Ħ	**		••		
Fluorene	ND	119	**	"	Ħ	*	*	**	
Indeno (1,2,3-cd) pyrene	ND	59.7	•11	**	**	*	•	**	
1-Methylnaphthalene	ND	119	**	"	**	*	tr	**	
2-Methylnaphthalene	ND	119	••	**	•	Ħ		**	
Naphthalene	ND	119	**	**	*	**	•	t7	
Phenanthrene	ND	119	*1	۳.	*1	**	**	11	
Pyrene	ND	119	bt .	**	**	**	*	et .	
Surrogate: Carbazole		63.0 %	20.8-	128	,,	"	"	"	

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Percent Solids

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	, Method	Notes
GP-1 2-4 (W404116-01) Soil	Sampled: 04/08/04 09:20	Received:	04/09/04	15:00					
% Solids	85.1	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-2 4-6 (W404116-02) Soil	Sampled: 04/08/04 09:55	Received:	04/09/04	15:00					
% Solids	82.6	0.200	%	I	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-3 4-6 (W404116-03) Soil	Sampled: 04/08/04 10:35	Received:	04/09/04	15:00					
% Solids	84.1	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-4 10-12 (W404116-04) So	il Sampled: 04/08/04 11:1	0 Receive	d: 04/09/	04 15:00					
% Solids	83.1	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-5 2-4 (W404116-05) Soil	Sampled: 04/08/04 11:40	Received:	04/09/04	15:00					
% Solids	81.0	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-6 8-10 (W404116-06) Soil	Sampled: 04/08/04 12:15	Received	: 04/09/0	4 15:00					
% Solids	82.6	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-7 8-10 (W404116-07) Soil	Sampled: 04/08/04 12:40	Received	: 04/09/0	4 15:00					
% Solids	84.0	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-8 2-4 (W404116-08) Soil	Sampled: 04/08/04 13:15	Received:	04/09/04	15:00					
% Solids	. 84.9	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-9 2-4 (W404116-09) Soil	Sampled: 04/08/04 14:00	Received:	04/09/04	15:00					
% Solids	80.0	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Percent Solids

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-10 10-12 (W404116-10) So	il Sampled: 04/08/04 15:0	00 Receiv	ed: 04/0	9/04 15:00					
% Solids	. 84.5	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-11 2-4 (W404116-11) Soil	Sampled: 04/08/04 15:30	Received	: 04/09/0	4 15:00					
% Solids	77.6	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-12 2-4 (W404116-12) Soil	Sampled: 04/08/04 15:55	Received	: 04/09/0	4 15:00					
% Solids	95.2	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	
GP-13 2-4 (W404116-13) Soil	Sampled: 04/08/04 16:15	Received	: 04/09/0	4 15:00					
% Solids	83.8	0.200	%	1	4040277	04/12/04	04/13/04	EPA 5035 7.5	

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Gasoline Range Organics (GRO) by WDNR GRO - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040050 - EPA 5030B [MeOH]		· == -1, san					-			
Blank (4040050-BLK1)				Prepared	& Analyze	ed: 04/14/0	04			
Gasoline Range Organics (GRO)	ND	5.00	mg/kg wet	_						
LCS (4040050-BS1)				Prepared:	04/14/04	Analyzed	: 04/15/04		_	
Gasoline Range Organics (GRO)	9.50	5.00	mg/kg wet	10.0		95.0	80-120			
LCS Dup (4040050-BSD1)				Prepared:	04/14/04	Analyzed	: 04/15/04			
Gasoline Range Organics (GRO)	9.50	5.00	mg/kg wet	10.0		95.0	80-120	0.00	20	

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Diesel Range Organics (DRO) by WDNR DRO - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040051 - EPA 3550B										
Blank (4040051-BLK1)				Prepared: 0	4/14/04	Analyzed	: 04/19/04			
Diesel Range Organics (DRO)	ND	5.00 n	ng/kg wet				•			
LCS (4040051-BS1)				Prepared: 0-	4/14/04	Analyzed	: 04/19/04			
Diesel Range Organics (DRO)	36.5	5.00 n	ng/kg wet	40.0		91.2	70-120			
LCS Dup (4040051-BSD1)				Prepared: 0	4/14/04	Analyzed	: 04/19/04			
Diesel Range Organics (DRO)	34.0	5.00 n	ng/kg wet	40.0		85.0	70-120	7.09	20	

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040066 - EPA 5030B [MeOH]										
Blank (4040066-BLK1)				Prepared:	04/16/04	Analyzed	: 04/17/04			
Benzene	ND	25.0	ug/kg wet							
Bromobenzene	ND	25.0	**							
Bromodichloromethane	ND	25.0	**							
n-Butylbenzene	ND	25.0	**							
sec-Butylbenzene	ND	25.0	Ħ							
tert-Butylbenzene	ND	25.0	Ħ							
Carbon tetrachloride	ND	25.0	**							
Chlorobenzene	ND	25.0	Ħ							
Chloroethane	ND	25.0	••							
Chloroform	ND	25.0	*							
Chloromethane	ND	25.0	**							
2-Chlorotoluene	ND	25.0	**							
4-Chlorotoluene	ND	25.0	11							
Dibromochloromethane	ND	25.0	**							
1,2-Dibromo-3-chloropropane	ND	25.0	**							
1,2-Dibromoethane	ND	25.0	*							
1,2-Dichlorobenzene	ND	25.0	*							
1,3-Dichlorobenzene	ND	25.0	**							
1,4-Dichlorobenzene	ND	25.0	#							
Dichlorodifluoromethane	ND	25.0	•							
1,1-Dichloroethane	ND	25.0	u							
1,2-Dichloroethane	ND	25.0	*							
1,1-Dichloroethene	ND	25.0	•							
cis-1,2-Dichloroethene	ND	25.0	•							
rans-1,2-Dichloroethene	ND	25.0	**							
1,2-Dichloropropane	ND	25.0	#							
.3-Dichloropropane	ND		Ħ							
2,2-Dichloropropane	ND	25.0	*	•						
Di-isopropyl ether	ND	25.0	Ħ							
Ethylbenzene	ND	25.0	**				-			•
Hexachlorobutadiene	ND	25.0	#							
sopropylbenzene	ND	25.0	**							
o-lsopropyltoluene	ND	25.0	**							
Methylene chloride	ND	100	**			-				
Methyl tert-butyl ether	ND	25.0	**							

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040066 - EPA 5030B [MeOH]										
Blank (4040066-BLK1)				Prepared:	04/16/04	Analyzed	i: 04/17/04			
Naphthalene	ND	25.0	ug/kg wet							
n-Propylbenzene	ND	25.0	**							
1,1,2,2-Tetrachloroethane	ND	25.0	•							
Tetrachloroethene	ND	25.0	**							
Toluene	ND	25.0	**							
1,2,3-Trichlorobenzene	ND	25.0	*							
1,2,4-Trichlorobenzene	ND	25.0	**							
1,1,1-Trichloroethane	ND	25.0	Ħ							
1,1,2-Trichloroethane	ND	25.0	**							
Trichloroethene	ND	25.0	**							
Trichlorofluoromethane	ND	25.0	*1							
1,2,4-Trimethylbenzene	ND	25.0	**							
1,3,5-Trimethylbenzene	ND	25.0	**							
Vinyl chloride	ND	25.0	**							G1
Total Xylenes	ND	25.0	**							
Surrogate: 1,2-Dichloroethane-d4	3630		"	2500		145	65.4-150		-	
Surrogate: Dibromofluoromethane	3090		"	2500		124	71.I-14 1			
Surrogate: 4-Bromofluorobenzene	2990		"	2500		120	66.8-137			
Surrogate: Toluene-d8	2790		"	2500		112	68.5-146			
LCS (4040066-BS1)				Prepared:	04/16/04	Analyzed	: 04/20/04			
Benzene	910	25.0	ug/kg wet	1000		91.0	82-129			
Bromobenzene	884	25.0	**	1000		88.4	83.8-125			
Bromodichloromethane	1050	25.0	н	1000		105	81.1-137			
n-Butylbenzene	912	25.0	**	1000		91.2	65.1-134			
ec-Butylbenzene	890	25.0	**	1000		89.0	65.3-139			
en-Butylbenzene	934	25.0	n	1000		93.4	63.7-138			
Carbon tetrachloride	1280	25.0		1000		128	58.3-137			
Chlorobenzene	942	25.0	*	1000		94.2	79-128			
Chloroethane	732	25.0	**	1000		73.2	57.8-136			
Chloroform	1090	25.0	*	1000		109	77.2-141			
Chloromethane	1000	25.0	•	1000		100	40.7-134			
-Chlorotoluene	864	25.0	n	1000		86.4	66-138			
-Chlorotoluene	876	25.0	**	1000		87.6	74.4-138			
Dibromochloromethane	968	25.0	11	1000		96.8	71.5-112			
,2-Dibromo-3-chloropropane	1110	25.0	•	1000		111	70.5-112			

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

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Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040066 - EPA 5030B [MeOH]								:	i.	
LCS (4040066-BS1)				Prepared:	04/16/04	Analyze	1: 04/20/04			
1,2-Dibromoethane	1020	25.0	ug/kg wet	1000		102	84.8-118			
1,2-Dichlorobenzene	1100	25.0	**	1000		110	90.7-124			
1,3-Dichlorobenzene	1030	25.0	Ħ	1000		103	85.8-123			
1,4-Dichlorobenzene	990	25.0	•	1000		99.0	82.2-120			
Dichlorodifluoromethane	980	25.0	**	1000		98.0	48.8-129			
1,1-Dichloroethane	1000	25.0	**	1000		100	79.4-138			
1,2-Dichloroethane	1210	25.0	•	1000		121	72.7-139			
1,1-Dichloroethene	872	25.0	•	1000		87.2	62.3-128			
cis-1,2-Dichloroethene	924	25.0	**	1000		92.4	87.8-131			
trans-1,2-Dichloroethene	932	25.0		1000		93.2	70.2-136			
1,2-Dichloropropane	1100	25.0	**	1000		110	90.5-126			
1,3-Dichloropropane	994	25.0	••	1000		99.4	86.1-115			
2.2-Dichloropropane	886	25.0	**	1000		88.6	64.8-135		•	
Di-isopropyl ether	886	25.0	**	1000		88.6	67.2-132			
Ethylbenzene	877	25.0	••	1000		87.7	73-140			
Hexachlorobutadiene	1100	25.0	**	1000		110	78.3-132			
sopropylbenzene	992	25.0	n.	1000		99.2	63.5-144			
p-lsopropyltoluene	940	25.0	**	1000		94.0	61.1-142			
Methylene chloride	1060	100	**	1000		106	77.4-134			
Methyl tert-butyl ether	1040	25.0	**	1000		104	73-131			
Naphthalene	1040	25.0	*1	1000		104	71-136			
n-Propylbenzene	895	25.0	**	1000		89.5	64.7-142			
1,1,2,2-Tetrachloroethane	1160	25.0	**	1000		116	75.9-124			
Tetrachloroethene	1010	25.0	•	1000		101	74.8-122			
Foluene	898	25.0	*	1000		89.8	71.3-127			
1.2,3-Trichlorobenzene	1090	25.0	**	1000		109	77.8-133			
,2,4-Trichlorobenzene	956	25.0	Ħ	1000		95.6	74.6-125			
,1,1-Trichloroethane	1170	25.0	"	1000		117	63.4-145			
,1,2-Trichloroethane	1090	25.0	•	1000		109	88-122			
Frichloroethene	1160	25.0	#1	1000		116	83.9-128			
Frichlorofluoromethane	1210	25.0	•	1000		121	64.9-143			
,2,4-Trimethylbenzene	876	25.0		1000		87.6	63.8-139			
.3,5-Trimethylbenzene	902	25.0	**	1000		90.2	60.2-142			
/inyl chloride	1700	25.0	*	1000		-170	56.6-143			н
otal Xylenes	2790	25.0	**	3000		93.0	75.5-129			

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analysis	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte		Linit	Onts	Levei	Acsult	70KEC	Limits	עלע	Limit	inotes
Batch 4040066 - EPA 5030B [MeO	H)	··-·	· · · · · · · · · · · · · · · · · · ·							·
LCS (4040066-BS1)				Prepared:	04/16/04	Analyzed	i: 04/20/04			
Surrogate: 1,2-Dichloroethane-d4	3150		ug/kg wet	2500		126	65.4-150			
Surrogate: Dibromofluoromethane	2670		"	2500		107	71.1-141			
Surrogate: 4-Bromofluorobenzene	2570		"	2500		103	66.8-137	•		
Surrogate: Toluene-d8	2140		"	2500		85.6	68.5-146			
LCS Dup (4040066-BSD1)				Prepared:	04/16/04	Analyzeo	1: 04/20/04			
Benzene	968	25.0	ug/kg wet	1000		96.8	82-129	6.18	16.1	
Bromobenzene	913	25.0	*	1000		91.3	83.8-125	3.23	17.1	
Bromodichloromethane	1070	25.0	*1	1000		107	81.1-137	1.89	16	
n-Butylbenzene	923	25.0	**	1000		92.3	65.1-134	1.20	19.7	
sec-Butylbenzene	926	25.0	**	1000		92.6	65.3-139	3.96	21.7	
tert-Butylbenzene	949	25.0	"	1000		94.9	63.7-138	1.59	19.6	
Carbon tetrachloride	1310	25.0	Ħ	1000		131	58.3-137	2.32	22.1	
Chlorobenzene	982	25.0	n	1000		98.2	79-128	4.16	13.4	
Chloroethane	670	25.0	**	1000		67.0	57.8-136	8.84	40	
Chloroform	1110	25.0	**	1000		111	77.2-141	1.82	19.1	
Chloromethane	974	25.0	**	1000		97.4	40.7-134	2.63	36	
2-Chlorotoluene	874	25.0	•	1000		87.4	66-138	1.15	17.9	
4-Chlorotoluene	864	25.0	n	1000		86.4	74.4-138	1.38	21.6	
Dibromochloromethane	982	25.0	Ħ	1000		98.2	71.5-112	i.44	11.1	
1,2-Dibromo-3-chloropropane	1180	25.0	**	1000		118	70.5-124	6.11	18.2	
1,2-Dibromoethane	1140	25.0	**	1000		114	84.8-118	11.1	11.3	
1,2-Dichlorobenzene	1120	25.0	Ħ	1000		112	90.7-124	1.80	17.7	
1,3-Dichlorobenzene	1050	25.0	**	1000		105	85.8-123	1.92	20.7	
1,4-Dichlorobenzene	994	25.0	**	1000		99.4	82.2-120	0.403	21.8	
Dichlorodifluoromethane	730	25.0	•1	1000		73.0	48.8-129	29.2	13.4	Н
1,1-Dichloroethane	1040	25.0	**	1000		104	79.4-138	3.92	21.3	_
,2-Dichloroethane	1260	25.0	•	1000		126	72.7-139	4.05	15.7	
,1-Dichloroethene	938	25.0	ń	1000		93.8	62.3-128	7.29	27.8	
cis-1,2-Dichloroethene	1020	25.0	**	1000		102	87.8-131	9.88	17.3	
rans-1,2-Dichloroethene	1000	25.0	Ħ	1000		100	70.2-136	7.04	20.2	•
.2-Dichloropropane	1160	25.0	#	1000		116	90.5-126	5.31	16.9	
.3-Dichloropropane	1030	25.0	#	1000		103	86.1-115	3.56	10.1	
.2-Dichloropropane	934	25.0	**	1000		93.4	64.8-135	5.27	22.2	
Di-isopropyl ether	935	25.0	"	1000		93.5	67.2-132	5.38	11.6	
Ethylbenzene	888	25.0	••	1000		88.8	73-140	1.25	11.6	

Great Lakes Analytical--Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical--Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040066 - EPA 5030B [MeOH]							-			
LCS Dup (4040066-BSD1)				Prepared:	04/16/04	Analyzed	i: 04/20/04			
Hexachlorobutadiene	1120	25.0	ug/kg wet	1000		112	78.3-132	1.80	25.5	
lsopropylbenzene	1030	25.0	H	1000		103	63.5-144	3.76	17.1	
p-Isopropyltoluene	963	25.0	•	1000		96.3	61.1-142	2 42	22	
Methylene chloride	1170	100	**	1000		117	77.4-134	9.87	17.4	
Methyl tert-butyl ether	1100	25.0	,,	1000		110	73-131	5.61	11.3	
Naphthalene	1220	25.0	**	1000		122	71-136	15.9	23.5	
n-Propylbenzene	879	25.0	*	1000		87.9	64.7-142	1.80	20.2	
1,1,2,2-Tetrachloroethane	1270	25.0	**	1000		127	75.9-124	9.05	16.3	H
Tetrachloroethene	1060	25.0	н	1000		106	74.8-122	4.83	18.4	
Toluene	912	25.0	51	1000		91.2	71.3-127	1.55	16.8	
1,2,3-Trichlorobenzene	1160	25.0	**	1000		116	77.8-133	6.22	24.9	
1,2,4-Trichlorobenzene	1050	25.0	•	1000		105	74.6-125	9.37	15.2	
1,1,I-Trichloroethane	1200	25.0	**	1000		120	63.4-145	2.53	21.5	
1,1,2-Trichloroethane	1100	25.0		1000		110	88-122	0.913	10.1	
Trichloroethene	1160	25.0	#1	1000		116	83.9-128	0.00	16.2	
Trichlorofluoromethane	1200	25.0	n	1000		120	64.9-143	0.830	27.4	
1,2,4-Trimethylbenzene	895	25.0	"	1000		89.5	63.8-139	2.15	19.9	
1,3,5-Trimethylbenzene	907	25.0	•	1000		90.7	60.2-142	0.553	21.2	
Vinyl chloride	1600	25.0	**	1000		160	56.6-143	6.06	40	H G14
Total Xylenes	2810	25.0	n	3000		93.7	75.5-129	0.714	15	
Surrogate: 1,2-Dichloroethane-d4	3260		"	2500	·	130	65.4-150	-		
Surrogate: Dibromofluoromethane	2720		**	2500		109	71.1-141			
Surrogate: 4-Bromofluorobenzene	2680		"	2500		107	66.8-137			
Surrogate: Toluene-d8	2170		"	2500		86.8	68.5-146			

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical-Buffalo Grove

Batch 4040296-BLK1 Prepared & Analyzed: 04/13/04			Reporting		Spike	Source	•	%REC	, , , , , , , , , , , , , , , , , , , ,	RPD	
Prepared & Analyzed: 04/13/04 Prepared & Analyzed: 04/13/0	Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Mercury ND 0.0400 mg/kg wet Prepared & Analyzed: 04/13/04 Mercury 0.139 0.0400 mg/kg wet 0.120 116 73.5-123 Matrix Spike (4040296-MS1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Mercury 0.191 0.0475 mg/kg dry 0.137 0.00798 134 38.7-154 Matrix Spike Dup (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Mercury 0.178 0.0475 mg/kg dry 0.132 0.00798 129 38.7-154 7.05 26.5 Matrix Spike Dup (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Mercury 0.178 0.0475 mg/kg dry 0.132 0.00798 129 38.7-154 7.05 26.5 Matrix Spike Dup (4040336-EPA 3050B Prepared & Analyzed: 04/14/04 Mercury 0.180 0.500 "	Batch 4040296 - EPA 7471A									······································	
Matrix Spike (4040296-MS1) Source: B404205-03 Prepared & Analyzed: 04/13/04	Blank (4040296-BLK1)				Prepared	& Analyze	:d: 04/13/	04			
Matrix Spike (4040296-MS1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Matrix Spike (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Matrix Spike Dup (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Matrix Spike Dup (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Matrix Spike Dup (4040296-MSD1) Source: B404205-03 Prepared & Analyzed: 04/13/04 Matrix Spike Dup (4040336 - EPA 3050B Prepared & Analyzed: 04/14/04 Matrix Spike Dup (4040336-BLK1) Prepared & Analyzed: 04/14/04 Matrix Spike Dup (4040336-BLK1) Prepared & Analyzed: 04/14/04 Matrix Spike Dup (4040336-BLK1) Prepared & Analyzed: 04/14/04 Matrix Spike Dup (4040336-BLK1) Prepared & Analyzed: 04/14/04 Matrix Spike Dup (4040336-BLK1) MD	Mercury	ND	0.0400	mg/kg wet							
Source B404205-03 Prepared & Analyzed: 04/13/04 Mercury 0.191 0.0475 mg/kg dry 0.137 0.00798 134 38.7-154 Matrix Spike Dup (4040296-MSD1) Source B404205-03 Prepared & Analyzed: 04/13/04 Mercury 0.178 0.0475 mg/kg dry 0.132 0.00798 129 38.7-154 7.05 26.5	LCS (4040296-BS1)				Prepared	& Analyze	:d: 04/13/	04			
Mercury 0.191 0.0475 mg/kg dry 0.137 0.00798 134 38.7-154	Mercury	0.139	0.0400	mg/kg wet	0.120		116	73.5-123			
Matrix Spike Dup (4040296-MSD1) Mercury 0.178 0.0475 mg/kg dry 0.132 0.00798 129 38.7-154 7.05 26.5 Batch 4040336 - EPA 3050B Blank (4040336-BLK1) Arsenic ND 0.500 "Chromium 190 0.500 "Chromium 185 0.500 "Chromiu	Matrix Spike (4040296-MS1)	So	urce: B4042	05-03	Prepared	& Analyze	d: 04/13/	04			
Mercury	Mercury	0.191	0.0475	mg/kg dry	0.137	0.00798	134	38.7-154			
Mercury 0.178 0.0475 mg/kg dry 0.132 0.00798 129 38.7-154 7.05 26.5	Matrix Spike Dup (4040296-MSD1)	So	urce: B4042	05-03	Prepared	& Analyze	d: 04/13/	04			
Prepared & Analyzed: 04/14/04	Mercury	0.178	0.0475	mg/kg dry	0.132	0.00798	129	38.7-154	7.05	26.5	
Arsenic ND 2.50 mg/kg wet Barium ND 25.0 " Cadmium ND 0.500 " Chromium ND 0.500 " Lead ND 5.00 " Selenium ND 2.50 " Cilver ND 2.50 " CCS (4040336-BS1)	Batch 4040336 - EPA 3050B										
Barium ND 25.0 " Cadmium ND 0.500 " Chromium ND 0.500 " Chromium ND 0.500 " Cheed ND 5.00 " Celenium ND 2.50 " Cilver ND 2.50 " CCS (4040336-BS1) CCS (4040336-BS1) Arsenic 92.2 2.50 mg/kg wet 100 92.2 85.4-110 Cadmium 190 25.0 " 200 95.0 90-110 Cadmium 99.5 0.500 " 100 99.5 90-112 Chromium 185 0.500 " 200 95.5 83.7-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 200 95.5 87.1-110 Cead 191 5.00 " 100 93.2 87.1-110	Blank (4040336-BLK1)				Prepared	& Analyze	d: 04/14/	04			
Cadmium	Arsenic	ND	2.50	mg/kg wet							
ND 0.500 "	Barium	ND	25.0	#							
ND	Cadmium	ND	0.500	,							
ND 2.50	Chromium	ND	0.500	*1							
ND 2.50 "	Lead	ND	5.00	"							
Arsenic 92.2 2.50 mg/kg wet 100 92.2 85.4-110 Barium 190 25.0 " 200 95.0 90-110 Cadmium 99.5 0.500 " 100 99.5 90-112 Chromium 185 0.500 " 200 95.5 83.7-110 Lead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	Selenium	ND	2.50	**							
Arsenic 92.2 2.50 mg/kg wet 100 92.2 85.4-110 Barium 190 25.0 " 200 95.0 90-110 Cadmium 99.5 0.500 " 100 99.5 90-112 Chromium 185 0.500 " 200 92.5 83.7-110 Lead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	Silver	ND	2.50	**							
Barium 190 25.0 " 200 95.0 90-110 Cadmium 99.5 0.500 " 100 99.5 90-112 Chromium 185 0.500 " 200 92.5 83.7-110 Lead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	LCS (4040336-BS1)				Prepared	& Analyze	d: 04/14/0	04			
Cadmium 99.5 0.500 " 100 99.5 90-112 Chromium 185 0.500 " 200 92.5 83.7-110 Lead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	Arsenic	92.2	2.50	mg/kg wet	100		92.2	85.4-110			
Chromium 185 0.500 " 200 92.5 83.7-110 -ead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	Barium	190	25.0	H - 1	200		95.0	90-110			
Lead 191 5.00 " 200 95.5 87.1-110 Selenium 93.2 2.50 " 100 93.2 87.1-110	Cadmium	99.5	0.500	**	100		99.5	90-112			
Selenium 93.2 2.50 " 100 93.2 87.1-110	Chromium	185	0.500	••	200		92.5	83.7-110			
	Lead	191	5.00		200		95.5	87.1-110			
Silver 93.0 2.50 " 100 93.0 57.5-120	Selenium	93.2	2.50	**	100		93.2	87.1-110			
	Silver	93.0	2.50	**	100		93.0	57.5-120			

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: HR Housing Project Number: 04013

Project Number: 04013 Reported:
Project Manager: DJ Burns 04/23/04 17:00

Total Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical-Buffalo Grove

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4040336 - EPA 3050B				·						
Matrix Spike (4040336-MS1)	Sour	ce: W404	116-01	Prepared a	& Analyze	d: 04/14/	04			
Arsenic	85.7	2.94	mg/kg dry	118	5.80	67.7	57.3-110			
Barium	217	29.4	**	235	33.4	78.1	54.7-117			
Cadmium	80.0	0.588	#1	118	ND	67.8	57-110			
Chromium	181	0.588	#1	235	13.9	71.1	51.9-110			
Lead	174	5.88	••	235	12.5	68.7	47.4-110			
Selenium	81.9	2.94	••	118	ND	69.4	53.2-110			
Silver	87.4	2.94	**	118	ND	74.1	28.4-113			
Matrix Spike Dup (4040336-MSD1)	Sour	ce: W404	116-01	Prepared a	& Analyze	:d: 04/14/	04			
Arsenic	88.8	2.94	mg/kg dry	116	5.80	71.6	57.3-110	3.55	22	
Barium	214	29.4	91	233	33.4	77.5	54.7-117	1.39	30.9	
Cadmium	83.4	0.588	**	116	ND	71.9	57-110	4.16	19.5	
Chromium	193	0.588	**	233	13.9	76.9	51.9-110	6.42	24.1	
Lead	177	5.88	**	233	12.5	70.6	47.4-110	1.71	40	
Selenium	84.2	2.94	ŧı	116	ND	72.6	53.2-110	2.77	20.7	
Silver	88.1	2.94	11	116	ND	75.9	28.4-113	0.798	33.3	

Great Lakes Analytical--Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310 - Quality Control Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040344 - EPA 3550B										
Blank (4040344-BLK1)				Prepared:	04/14/04	Analyzed	1: 04/16/04			
Acenaphthene	ND	100	ug/kg wet							
Acenaphthylene	ND	200	**							
Anthracene	ND	100	**							
Benz (a) anthracene	ND	50.0	*							
Benzo (a) pyrene	.ND	5.00	**		•					
Benzo (b) fluoranthene	ND	50.0	**							
Benzo (ghi) perylene	ND	100	**							
Benzo (k) fluoranthene	ND	100	**							
Chrysene	ND	100	**							
Dibenz (a,h) anthracene	ND	5.00	**							
Fluoranthene	ND	100	**							
Fluorene	ND	100	•							
Indeno (1,2,3-cd) pyrene	ND	50.0	**							
l-Methylnaphthalene	ND	100	#1							
2-Methylnaphthalene	ND	100	Ħ							
Naphthalene	ND	100								
Phenanthrene	ND	100	**							
Pyrene	ND	100	**							
Surrogate: Carbazole	51.8		**	137		37.8	20.8-128			
LCS (4040344-BS1)				Prepared:	04/14/04	Analyzed	: 04/16/04			
Acenaphthene	93.3	10.0	ug/kg wet	132		70.7	28.1-112			
Acenaphthylene	123	20.0	**	132		93.2	56.3-125			
Anthracene	107	100	**	132		81.1	38.7-110			
Benz (a) anthracene	118	50.0	**	132		89.4	44.5-122			•
Benzo (a) pyrene	87.8	5.00	•	132		66.5	17.5-126			
Benzo (b) fluoranthene	119	50.0	**	132		90.2	48.1-118			
Benzo (ghi) perylene	132	100	"	132		100	39.3-130			
Benzo (k) fluoranthene	117	100	•	132		88.6	33.3-119			
Chrysene	128	100	h	132		97.0	53.5-116			
Dibenz (a.h) anthracene	137	5.00	•	132		104	36.9-132			
Fluoranthene	112	100	**	132		84.8	46.6-112			
Fluorene	105	100	#1	132		79.5	44.6-110			
ndeno (1,2,3-cd) pyrene	132	50.0	**	132		100	49.8-118			
-Methylnaphthalene	109	100	*1	132		82.6	26.9-118			

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310 - Quality Control Great Lakes Analytical—Buffalo Grove

								* *		
Amalista	Result	Reporting Limit		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Venu	Liilli	Onits	Pevel	Result	/onec	حاسبي	NI D	Limit	14010
Batch 4040344 - EPA 3550B										
LCS (4040344-BS1)				Prepared:	04/14/04	Analyze	1: 04/16/04			
2-Methylnaphthalene	102	100	ug/kg wet	132		77.3	33.5-110			
Naphthalene	113	100	Ħ	132		85.6	26.3-120			
Phenanthrene	108	100	**	132		81.8	33.7-114			
Pyrene	106	100	#	132		80.3	35.8-125			
Surrogate: Carbazole	55.9		**	132		42.3	20.8-128			
Matrix Spike (4040344-MS1)	Sou	rce: B4041	78-01	Prepared:	04/14/04	Analyze	d: 04/16/04			
Acenaphthene	241	118	ug/kg dry	158	ND	153	15.9-110			Н
Acenaphthylene	55.8	23.6	**	158	ND	35.3	38.9-151			L
Anthracene	478	118	•	158	140	214	26.3-111			Н
Benz (a) anthracene	217	59.1	**	158	126	57.6	28.1-115			
Benzo (a) pyrene	132	5.91	Ħ	158	ND	83.5	10-122			
Benzo (b) fluoranthene	150	59.1	**	158	ND	94.9	24.2-115			
Benzo (ghi) perylene	176	118	**	158	ND	111	17.5-122			
Benzo (k) fluoranthene	160	118	"	158	ND	101	24-110			
Chrysene	96.4	11.8	n	158	ND	61.0	39.4-114			
Dibenz (a,h) anthracene	176	5.91	**	158	ND	111	14.6-117			
luoranthene	770	118	**	158	449	203	29.4-122			Н
luorene	298	118	•1	158	75.5	141	32.3-110			Н
ndeno (1,2,3-cd) pyrene	159	59.1	•	158	ND	101	31.1-115			
-Methylnaphthalene	227	118	Ħ	158	ND	144	13.6-124			Н
-Methylnaphthalene	203	118	**	158	ND	128	18-115			Н
Naphthal en e	185	118	**	158	ND	117	16.2-127			
Phenanthrene	867	118	*	158	325	343	18.2-118			Н
утепе	140	118	n	158	147	NR	19.6-127			L
urrogate: Carbazole	88.4		"	158		55.9	20.8-128			
Matrix Spike Dup (4040344-MSD1)	Sou	rce: B4041	78-01	Prepared:	04/14/04	Analyzed	1: 04/16/04			
Acenaphthene	90.2	11.8	ug/kg dry	155	ND	58.2	15.9-110	91.1	40	Н
cenaphthylene	224	23.6	•	155	ND	145	38.9-151	120	40	Н
unthracene	310	118	.**	155	140	110	26.3-111	42.6	40	Н
Senz (a) anthracene	167	59.1	•1	155	126	26.5	28.1-115	26.0	40	L
Benzo (a) pyrene	125	5.91	•	155	ND	80.6	10-122	5.45	40	
Senzo (b) fluoranthene	125	59.1	**	155	ND	80.6	24.2-115	18.2	40	
enzo (ghi) perylene	149	118	**	155	ND	⁻ 96.1	17.5-122	16.6	40	
enzo (k) fluoranthene	145	118	••	155	ND	93.5	24-110	9.84	40	

Great Lakes Analytical-Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Polynuclear Aromatic Hydrocarbons by EPA Method 8310 - Quality Control Great Lakes Analytical-Buffalo Grove

		Reporting		Spike	Source		%REC			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4040344 - EPA 3550B										
Matrix Spike Dup (4040344-MSD1)	Sour	rce: B4041	78-01	Prepared:	04/14/04	Analyzed	i: 04/16/04			
Chrysene	114	11.8	ug/kg dry	155	ND	73.5	39.4-114	16.7	40	
Dibenz (a,h) anthracene	151	5.91	Ħ	155	ND	97.4	14.6-117	15.3	40	
Fluoranthene	712	118	*	155	449	170	29.4-122	7.83	40	H
Fluorene	216	118	#1	155	75.5	90.6	32.3-110	31.9	40	
indeno (1,2,3-cd) pyrene	148	59.1	**	155	ND	95.5	31.1-115	7.17	40	
I-Methylnaphthalene	143	118	**	155	ND	92.3	13.6-124	45.4	40	Н
2-Methylnaphthalene	128	118	**	155	ND	82.6	18-115	45.3	40	Н
Naphthalene	154	118	•	155	ND	99.4	16.2-127	18.3	40	
Phenanthrene	516	118	**	155	325	123	18.2-118	50.8	40	НН
утеne	119	118	**	155	147	NR	19.6-127	16.2	40	L
Surrogate: Carbazole	81.2	• •	"	155		52.4	20.8-128			

Great Lakes Analytical-Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Percent Solids - Quality Control Great Lakes Analytical—Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Allalyte	VERN	Linn	Oilits	Level	Kesun	70KEC	Limits	KFD	Limit	140162
Batch 4040277 - General Prep										
Blank (4040277-BLK1)				Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	ND	0.200	%							
Blank (4040277-BLK2)				Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	ND	0.200	%							
Blank (4040277-BLK3)	_			Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	ND	0.200	%	·						
Duplicate (4040277-DUP1)	Sot	ırce: B40419	7-01	Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	82.6	0.200	%		81.8			0.973	20	
Duplicate (4040277-DUP2)	Sou	ırce: B40419	7-02	Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	84.4	0.200	%		88.4			4.63	20	
Duplicate (4040277-DUP3)	Sou	ırce: B40419	8-01	Prepared:	04/12/04	Analyzed:	04/13/04			
% Solids	84.7	0.200	%		86.0			1.52	20	

Great Lakes Analytical--Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: HR Housing
Project Number: 04013
Project Manager: DJ Burns

Reported: 04/23/04 17:00

Notes and Definitions

G14	The recovery of this analyte in the check standard is above the method	specified acceptance criteria.
017	The receivery of this analyte in the energy comment is above the moment	specifica acceptance criteria.

O10 The check standard that corresponds to this sample met the SW846 method requirements. However, it should be noted that the recovery for this individual compound in the check standard was above 115%.

QC The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.

T10 Diesel Range

T15 Late Elevated Baseline

T4 Gas Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

L This quality control measurement is below the laboratory established limit.

H This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical-Buffalo Grove NELAP Secondary Accreditation: New Jersev #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Oak Creek, WI NELAP Primary Accreditation: Illinois #100307

Note: For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Great Lakes Analytical-Oak Creek

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CHAIN OF CUSTODY REPORT

1380 Busch Parkway Buffalo Grove, IL 60089-4505 (847) 808-7766 FAX (847) 808-7772 140 E. Hyan Road Oak Creek, WI 53154 (414) 570-9460 FAX (414) 570-9461

		and the second of the second o	
Client: H.R. HOUSING, INC. GO DRAKE	BILL TO: HR HOUSENG, INC. C/G DRAKE	TAT: (STD) 4 DAY 3 DAY 2 D	
Address:	Address: 6980 N. TEUTONER AVE.	YES - TAT is critical □ NO - TAT is not critical	DATE RESULTS NEEDED:
, ladi eee.	MILWAUKET, WI. 53209		Temp. Upon Receipt: 100
Report to: 35. BURNS Phone #: (9/4)357(44)0		Deliverable Package: Delivery N	Method:
E-mail: DBURNS DANIE CC Fax #: ()	Program: Fax #: ()		ient ☐ Shipped ☐ Courier ☐
Project Name:	# of Bottles	/ / / / SAMPLE	
Project #/PO#: 040/3	Preservative Used \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AJAINS CONTROL	/
Sampler: D.J. BUANS / 44 / 4		:/_4/5/ / / \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	LABORATORY
Project #/PO#: 140/3 Sampler: DJ.BUANS FIELD ID, LOCATION	Preservative Used \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	[] [] [] [] [] [] [] [] [] []	ID NUMBER
150.12-4 PID: 21 4/8/04 9:2		XX	N404 116-01
2 GP. 2 4-6 PID: 232 1 9:5	55 1 1 1 1 1 1 1	1 1 1	1 -07
3 G.P. 3 4-6 PID: 4 /0:3			-03
4 GP-4 10-12			1
5GP.5 2-4			104
6 GP-6 8-10			-05
PID: 3 (7:1	:15		1 -06
7GP-7 8-10 . PID: 3	40		10)
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		PAGE	OF 7



CHAIN OF CUSTODY REPORT

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Client: HRHONETAB, INC. 0/0 DRAILE	Bill To:	le Housant	BEX. Ch DONKE	5		3 DAY 2 DAY 1 DAY < 24 HRS.			
					YES - TAT is critical				
Address:			WIDNER AVE		☐ NO - TAT is not critical Received: ☐ Temp. Upon Rece				
	Mru	MUKBE. C.	Jt. 537-09 Phone #: ()			refrigerator			
Report to: DTBUNS Phone #: (4,4) 357 1440	State &		Phone #: ()		Deliverable Package	Delivery Method: GLA D Client D Shipped Courier			
E-mail: DBU. 2NS & DANE. (L) Fax #: ()	Program:		Fax #: ()		STD Other	GLA Client Shipped Courier			
Project Name:		# of B		¥	/ / / / /	/SAMPLE /			
Project #/PO#: 04013 Sampler: D.T. Bunus FIELD ID, LOCATION	Silver Silver Silver Variete Variete Variete	Preservati	ive Used K S K K K K K K K K	8/ / / N/	Which /	CONTROL			
	100 10 10 10 10 10 10 10 10 10 10 10 10	//////		2/./-/2	1/21///				
Sampler: D.T. Bunus / 44/		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		高いまる	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LABORATORY			
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RELINQUISHED FAIL RECEIVED			RELINQUISHED	17.11	RECEIVED	ela Baran (1500)			
HAIL	*	TIME	TILLINGOIOTILD	11/11	1.252.725	Inc.			
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COMMENTS: PLEASE INJUSCE PER QUOTE #	* UIC 4033	10							
						PAGE OF 1			

27 April 2004

DJ Burns Drake Environmenta! Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 RE: Greenebaum Tannery

Enclosed are the results of analyses for samples received by the laboratory on 04/16/04. If you have any questions concerning this report, please feel free to contact me.

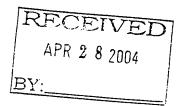
Sincerely,

Great Lakes Analytical

LADLER Stathas

Andrea Stathas

Project Manager





Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-A	W404197-01	Water	04/15/04 00:00	04/16/04 15:15
MW-B	W404197-02	Water	04/15/04 00:00	04/16/04 15:15
MW-C	W404197-03	Water	04/15/04 00:00	04/16/04 15:15
TW-4	W404197-04	Water	04/15/04 00:00	04/16/04 15:15
TRIP BLANK	W404197-05	Water	04/15/04 00:00	04/16/04 15:15
TW-1	W404197-06	Water	04/15/04 00:00	04/16/04 15:15

Great Lakes Analytical-Oak Creek

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Andrea Stathas, Project Manager



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Gasoline Range Organics (GRO) by WDNR GRO

Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (W404197-01) Water Sa	ampled: 04/15/04 00:00	Received:	04/16/04	4 15:15					
Gasoline Range Organics (GRO)	ND	50.0	ug/l	1	4040090	04/22/04	04/22/04	WDNR GRO	
MW-B (W404197-02) Water Sa	ampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Gasoline Range Organics (GRO)	ND	50.0	ug/l	1	4040090	04/22/04	04/22/04	WDNR GRO	
MW-C (W404197-03) Water Sa	ampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Gasoline Range Organics (GRO)	ND	50.0	ug/l	1	4040090	04/22/04	04/22/04	WDNR GRO	
TW-4 (W404197-04) Water Sar	mpled: 04/15/04 00:00	Received: 0	4/16/04	15:15					
Gasoline Range Organics (GRO)	ND	50.0	ug/!	1	4040090	04/22/04	04/22/04	WDNR GRO	

Great Lakes Analytical-Oak Creek



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

Diesel Range Organics (DRO) by WDNR DRO Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (W404197-01) Water	Sampled: 04/15/04 00:00	Received:	04/16/0	4 15:15	•				
Diesel Range Organics (DRO)	ND	0.100	mg/l	1	4040083	04/21/04	04/21/04	WDNR DRO	
MW-B (W404197-02) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Diesel Range Organics (DRO)	ND	0.100	mg/l	1	4040083	04/21/04	04/21/04	WDNR DRO	
MW-C (W404197-03) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	4 15:15					
Diesel Range Organics (DRO)	ND	0.100	mg/l	1	4040083	04/21/04	04/21/04	WDNR DRO	
TW-4 (W404197-04) Water	Sampled: 04/15/04 00:00	Received: (04/16/04	15:15				T10,	T11, T15
Diesel Range Organics (DRO)) 1.06	0.100	mg/l	1	4040083	04/21/04	04/22/04	WDNR DRO	

Great Lakes Analytical-Oak Creek



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (W404197-01) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15				·	QC
Benzene	ND	0.500	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Bromobenzene	ND	5.00	. **	**	**	"	,	#	
Bromodichloromethane	ND	0.391	*	*	**	n	H	н	
n-Butylbenzene	ND	5.00		•	**	**	**	**	
sec-Butylbenzene	ND	5.00	**	**	**	**			
tert-Butylbenzene	ND	5.00	•	H	**		*		
Carbon tetrachloride	ND	0.372	**	**	**	Ħ	*		
Chlorobenzene	ND	5.00	*1	•	**	**	*	#	
Chloroethane	ND	5.00	**	**	**	Ħ	H	Ħ	
Chloroform	ND	0.316	11	**	**	**	**	81	
Chloromethane	ND	0.448	"	**	ŧŧ	Ħ	#	**	
2-Chlorotoluene	ND	5.00	11		# .	* 1	**	** .	
4-Chlorotoiuene	ND	5.00	#1	**	٠.	*	**	**	
Dibromochloromethane	ND	5.00	**	**	**	*1	91	•	
1,2-Dibromo-3-chloropropane	ND	0.264	**	**	**	,,	H	Ħ	
1,2-Dibromoethane	ND	0.251	**	**	**	**	**	71	
1,2-Dichlorobenzene	ND	5.00	**	**	**	,,	H	PI	
1,3-Dichlorobenzene	ND	5.00	**	**	•	**	**	n	
1,4-Dichlorobenzene	ND	5.00	**	•	**	**	*	••	
Dichlorodifluoromethane	ND	5.00	**	**	*	"	P	**	
1,1-Dichloroethane	ND	5.00	žt.	•	*1	Ħ		**	
1,2-Dichloroethane	ND	0.500	**	**	н	n		**	
1,1-Dichloroethene	ND	0.500	t t	**	**	n	*	**	
cis-1,2-Dichloroethene	ND	5.00	Ħ	n	**	•	**	**	
trans-1,2-Dichloroethene	ND	5.00	Ħ	**	**		**	Ħ	
1,2-Dichloropropane	ND	0.500	19					•	
1,3-Dichloropropane	ND	5.00		,,	**	P.	•	**	
2,2-Dichloropropane	ND	5.00	*	,,	*	**	,	**	
Di-isopropyl ether	ND	5.00	••	**	**	n	**	**	
Ethylbenzene	ND	5.00	u	•	**	**	**	H	
Hexachlorobutadiene	ND	10.0	*1	11	**	11	**	**	
Isopropylbenzene	ND	5.00	н 🦖				**	**	
p-Isopropyltoluene	ND .	5.00	•	**	•	Ħ	91		
Motherland all 1 . 1 d.	ND	0.386	H			•	=	•	
Methyl tert-butyl ether	ND	0.290	۳.	*1			•	•	
Naphthalene	ND	8.00					**	11	
n-Propylbenzene	ND	5.00	••	*		**	**	#	
1,1,2,2-Tetrachloroethane	. ND	0.331	. "					*	
Tetrachloroethene	ND ND	0.500		**		**	Ħ	•	
Toluene	ND ND	5.00	.,	**					
1,2,3-Trichiorobenzene			**						
1,2,4-Trichlorobenzene	ND	10.0		,,	**	• "			
1,2,7- Illemoropenzene	ND	10.0	**	*1		• .	" .	, " .	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A (W404197-01) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15	-				Q
1,1,1-Trichloroethane	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
1,1,2-Trichloroethane	ND	0.145	*1	**	**	**	•	Ħ	
Trichloroethene	ND	0.500	**	*	*	**	n	Ħ	
Trichlorofluoromethane	ND	5.00	**	**	**	**	n		
1,2,4-Trimethylbenzene	ND	5.00			Ħ	Ħ	**	**	
1.3,5-Trimethylbenzene	ND	5.00	**	n	Ħ	**	**	**	
Vinyl chloride	ND	0.217	**	H	P	**	•	•	G1-
Total Xylenes	ND	5.00	**		#	e1	*	H	
Surrogate: Dibromofluorometho	ane	98.8 %		-117	•	"	" ,	"	
Surrogate: 1,2-Dichloroethane-	d4	118%	70.2	-131	**	"	**	"	
Surrogate: Toluene-d8		86.4 %	74.1	-125	"	"	•	••	
Surrogate: 4-Bromofluorobenze	rne	97.0 %	88.5	-103	"	"	"	, "	
MW-B (W404197-02) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					QC
Benzene	ND	0.500	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Bromobenzene	ND	5.00	**	**	**	**	**	Ħ	
Bromodichloromethane	ND	0.391	**	**	*	*		Ħ	
n-Butylbenzene	ND	5.00	**	Ħ	**	Ħ	Ħ	н .	
sec-Butylbenzene	ND	5.00	**	**	**	**	**	**	
ert-Butylbenzene	ND	5.00	**	11	**	**	**	**	
Carbon tetrachloride	ND	0.372		n	**	H	**		
Chlorobenzene	ND	5.00	**	**	**	**	91	•	
Chloroethane	ND	5.00	*	n		**	**	**	
Chloroform	ND	0.316	**	11	••	**	••	*1	
Chloromethane	ND	0.448	**	**	**	#1	**	**	
2-Chlorotoluene	ND	5.00	**	•	•	••	**	,,	
1-Chlorotoluene	ND	5.00	*	**	**	tı	•	**	
Dibromochloromethane	ND	5.00	**	**	**	et .	**	**	
1,2-Dibromo-3-chloropropane	ND	0.264	**	*	**	**		#	
,2-Dibromoethane	ND	0.251	**	"		**	**	**	
1,2-Dichlorobenzene	ND	5.00	**		n	ŧř	**	**	
1,3-Dichlorobenzene	ND	5.00	••	. "	•1	••	**	n	
	ND ·	5.00	*	•	**	**	**	*	
1,4-Dichlorobenzene	1817	2.00		, .	*1	91	**	•	
1,4-Dichlorobenzene Dichlorodifluoromethane		5.00	**						
Dichlorodifluoromethane	ND	5.00 5.00	**	**	91	Ħ	**	Ħ	
Dichlorodifluoromethane	ND ND	5.00		#1 **	#1 #1	31 91	**	et H	
Dichlorodifluoromethane ,1-Dichloroethane ,2-Dichloroethane	ND ND ND	5.00 0.500		**		11 11		97 91	
Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene	ND ND ND ND	5.00 0.500 0.500		# #	"		**	17 17 18	
Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene 2is-1,2-Dichloroethene	ND ND ND ND ND	5.00 0.500 0.500 5.00		11 11	" ,	*1	**	17 19 19 19	
Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene rans-1,2-Dichloroethene	ND ND ND ND ND ND	5.00 0.500 0.500 5.00 5.00		11 11 11	** , ;;	*1	91 91	" " " " " " " " " " " " " " " " " " " "	
Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene 2is-1,2-Dichloroethene	ND ND ND ND ND	5.00 0.500 0.500 5.00		11 11 11	** , ;;	*1	11 11		

Great Lakes Analytical-Oak Creek

Ţ. Ţ. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cendra Stathas



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Anaiyzed	Method	Notes
MW-B (W404197-02) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					QC
Di-isopropyl ether	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Ethylbenzene	ND	5.00	*1		**	**	**	**	
Hexachlorobutadiene	ND	10.0	**	11	**	**	**	**	
Isopropylbenzene	ND	5.00	**	"	**	Ħ	**	*	
p-lsopropyltoluene.	ND	5.00	**	**	**	Ħ	**	**	
Methylene chloride	ND	0.386		*	**	**	•	ņ	
Methyl tert-buryl ether	ND	0.290	٠.		**		*	**	
Naphthalene	ND	8.00	**	**		*		m	
n-Propylbenzene	ND	5.00	**	*	**			**	
1,1,2,2-Tetrachloroethane	ND	0.331	Ħ	*1	e t	*	*	# ·	
Tetrachloroethene	ND	0.500	**	81	91	**	,,	**	
Toluene	ND	5.00	t+	**	₩.	*	**	Ħ	
1,2.3-Trichlorobenzene	ND	10.0	,,	Ħ		#1	#1	•	
1,2,4-Trichlorobenzene	ND	10.0	11	**		m			
1,1,1-Trichloroethane	ND	5.00	**	•		**	*	н	
1,1,2-Trichloroethane	ND	0.145	*1				•	#	
Trichloroethene	ND	0.500	**			**		**	
Trichlorofluoromethane	ND	5.00	**	n	*		*	Ħ	
1,2,4-Trimethylbenzene	ND ·	5.00	**	tr .	n	**	**	•	
1,3,5-Trimethylbenzene	ND	5.00	**	*	*1	**	**	11	
Vinyl chloride	ND	0.217	**	"	**	n	**	**	G14
Total Xylenes	ND	5.00	"	**	**	11	n	n	
Surrogate: Dibromofluoromethe	· · · · · · · · · · · · · · · · · · ·	98.8 %	82.1	-117	"	,,	,,	"	
Surrogate: 1,2-Dichloroethane-		107%	70.2		n	,,	•	,,	
Surrogate: Toluene-d8		85.0 %	74.1		*	,,	#	"	
Surrogate: 4-Bromofluorobenze	ene	96.6 %	88.5		••	. ,	,,	,,	

Great Lakes Analytical-Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

Page 6 of 30



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Sampled: 04/15/04 00:00								QC
	•				10.10000	0.4.000.00	A 4 10 2 12 1		QC
Benzene	ND	0.500	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Bromobenzene	ND	5.00	**	**	*			•	
Bromodichloromethane	ND	0.391	*	**	**		*	*	
n-Butylbenzene	ND	5.00	**	**	**		**	•	
sec-Butylbenzene	ND	5.00	•	*	**	**	••	ti	
tert-Butylbenzene	ND	5.00	#1	**	Ħ	" ,	**	*	
Carbon tetrachloride	ND	0.372		"	Ħ	Ħ	. "	11	
Chlorobenzene	ND	5.00		Ħ	P1	**	**	*	
Chloroethane ·	ND	5.00	*1	**	11	**	tr .	Ħ	
Chloroform	ND	0.316	**	**		n	71	*	
Chloromethane	ND	0.448	**	**	•	**		*	
2-Chlorotoluene	ND	5.00	91	**	*	**	er er	#	
4-Chlorotoluene	ND	5.00	**	Ħ	* .	Ħ	•	n	
Dibromochloromethane	ND	5.00	**	**	**	**	*	•	
1,2-Dibromo-3-chloropropane	ND	0.264	*1	*	**	#	**	n	
1,2-Dibromoethane	, ND	0.251	**	**	**	*	**		
1,2-Dichlorobenzene	ND	5.00	**	**	**	**	**	**	
1,3-Dichlorobenzene	ND	5.00	•	"	**	**	•	**	
1,4-Dichlorobenzene	ND	5.00	**	•	**	**	π.	Ħ	
Dichlorodifluoromethane	ND	5.00	**	n	11	**	#	н	
1,1-Dichloroethane	ND	5.00	n	n		•	n	**	
1,2-Dichloroethane	ND	0.500	n	#1	**	•	Ħ	H	
1,1-Dichloroethene	ND	0.500	tr .		**	**	•	**	
cis-1,2-Dichloroethene	ND	5.00	9 7		Ħ	*		Ħ	
rans-1,2-Dichloroethene	ND	5.00	**	**	••	**	•	**	
1,2-Dichloropropane	ND	0.500	**	**	**	•	•	**	
1,3-Dichloropropane	ND	5.00	**	*		•		**	•
2,2-Dichloropropane	ND	5.00		**			•	**	
Di-isopropyl ether	ND	5.00	••	#	**	,,	**		
Ethylbenzene	ND	5.00	**	**		**	,,	*	
Hexachlorobutadiene	ND	10.0		**	•	,,	. "	,	
sopropylbenzene	ND	5.00	**	**	•	71		••	
o-Isopropyltoluene	NID	5.00	**	**	••	**	**	*	
Methylene chloride	ND .	0.386	*1	p -	**	*1	••	,,	
Methyl tert-butyl ether	ND	0.380	*	••		**			
Naphthalene				••		,		н	
n-Propylbenzene	ND	8.00			"; ••				
	ND	5.00							
1,1,2,2-Tetrachloroethane	ND	0.331						"	
Fetrachloroethene Foluene	ND	0.500				**		*	
	· ND	5.00	"	**	*	**	*	. "	
,2,3-Trichlorobenzene ,2,4-Trichlorobenzene	ND ND	10.0 10.0	**	11	"		#	н	•

Great Lakes Analytical-Oak Creek

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Cendra Starthan



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TW-4 (W404197-04) Water	Sampled: 04/15/04 00:00	Received: 0	4/16/04	15:15					QC
Di-isopropyl ether	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Ethylbenzene	ND	5.00	••	**	н	"	ŧŧ	M.	
Hexachlorobutadiene	ND	10.0	. 10	**	••	**	**	11	
Isopropylbenzene	ND	5.00	"	Ħ	۳.	**	**	•	
p-Isopropyltoluene	ND	5.00		"	"	"	н	н .	
Methylene chloride	ND	0.386	**	N	*	**			
Methyl tert-butyl ether	ND	0.290	۳.	n	*	n	**	Ħ	
Naphthalene	ND	8.00	**	*	r	*	."	**	
n-Propylbenzene	ND	5.00	*	"	11	*	**	•	
1,1,2,2-Tetrachloroethane	ND	0.331	n	*	*		**	#	
Tetrachloroethene	ND	0.500	11	"	*	**	н .	n	
Toluene	ND	5.00	**	"		**	**		
1,2,3-Trichlorobenzene	ND	10.0	**	"	۳ .	"		*	
1,2,4-Trichlorobenzene	ND	10.0	**	W .	H	n .	н	н	
1,1,1-Trichloroethane	ND	5.00	**	Ħ	**	**	#	#	
1,1,2-Trichloroethane	ND	0.145	**	"	n	H	n	*	
Trichloroethene	ND	0.500	**	**	**	"	"		
Trichlorofluoromethane	ND	5.00	11	**			"	**	
1,2,4-Trimethylbenzene	ND	5.00	**	**	**	11	**	n	
1,3,5-Trimethylbenzene	ND	5.00		**	**	n	н		
Vinyl chloride	ND	0.217	**	"	H	"	*	r	G14
Total Xylenes	ND	5.00	•	Ħ	"	"	**	"	
Surrogate: Dibromofluorometha	ine	91.8 %	82.1	-117	,	"	"	,	
Surrogate: 1,2-Dichloroethane-		96.2 %	70.2		"		"	"	
Surrogate: Toluene-d8		86.4 %	74.1		,,	<i>n</i> ·	<i>"</i>		
Surrogate: 4-Bromofluorobenze	ne	97.2 %	88.5	-103	.""	"	"	"	

Great Lakes Analytical--Oak Creek

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labled Statha



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
TW-4 (W404197-04) Water	Sampled: 04/15/04 00:00 Received: 04/16/04 15:15									
Di-isopropyl ether	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B		
Ethylbenzene	ND	5.00	•	*	#	**	**	n		
Hexachlorobutadiene	ND	10.0		**	4	**	•			
Isopropylbenzene	ND	5.00	**	•	".	H	•	•		
p-Isopropyltoluene	ND	5.00	•	**	**	**	*1	**		
Methylene chloride	ND	0.386	**	**	*	**	**	**		
Methyl tert-butyl ether	ND	0.290		**	n	Ħ	**	*		
Naphthalene	ND	8.00	**	#	*	*	**	*		
n-Propylbenzene	ND	5.00	*		*	er .	#	•		
1,1,2,2-Tetrachloroethane	ND	0.331	**		# .	**	**	**		
Tetrachloroethene	ND	0.500	n	**	Ħ	Ħ	H	Ħ		
Toluene	ND	5.00	**	**	es .	Ħ	#	91		
1,2,3-Trichlorobenzene	ND	10.0	**	**	tr .	n	Ħ	n		
1,2,4-Trichlorobenzene	ND	10.0	Ħ		**	*	**	**		
1,1,1-Trichloroethane	ND	5.00	**	н	91	n		h .		
1,1,2-Trichloroethane	ND	0.145	**	11		n	Ħ	**		
Trichloroethene	ND	0.500	11	•	**		91	**		
Trichlorofluoromethane	ND	5.00	11	Ħ	**	*		**		
1,2,4-Trimethylbenzene	ND	5.00	**	•	n	**	**	**		
1,3,5-Trimethylbenzene	ND	5.00	Ħ	**	**	n	n	**		
Vinyl chloride	ND	0.217	**	"	#1	11	•	er	G14	
Total Xylenes	ND	5.00	*	Ħ	n	**	n	#		
Surrogate: Dibromofluorometha	ine	91.8 %	82.1-	-117	*	"	n	m m		
Surrogate: 1,2-Dichloroethane-		96.2 %	70.2		,,	"	"	*		
Surrogate: Toluene-d8	•	86.4 %	74.1		"	"	"			
Surrogate: 4-Bromofluorobenze	ne	97.2 %	88.5		, ,,	**	"	"		

Great Lakes Analytical-Oak Creek



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TRIP BLANK (W404197-05) Water	Sampled: 04/15/0	04 00:00 Re	ceived: 0	4/16/04 15	:15				QC
Benzene	ND	0.500	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Bromobenzene	ND	5.00	**	**	**	**	**	**	
Bromodichloromethane	ND	0.391	,,	**	**	**	*	# .	
n-Butylbenzene	ND	5.00	**	**	n	**	**	n	
sec-Butylbenzene	ND	5.00	**	91	H	H	**	11	
tert-Butylbenzene	ND	5.00	*1	••	•	**	**	n	
Carbon tetrachloride	ND	0.372		Ħ	**	Ħ	*	••	
Chlorobenzene	ND	5.00	**	11	•	**	**	•	
Chloroethane	ND	5.00	**	41	**	**	•	•	
Chloroform	ND	0.316	#1	**	*	**	**	**	
Chloromethane	ND	0.448	*	**	n	Ħ	*1	**	
2-Chlorotoluene	ND	5.00	m	**	H .	Ħ	**	Ħ	
4-Chlorotoluene	ND	5.00	**	**	н ,	H	н	**	
Dibromochloromethane	ND	5.00	**	**	•	*	*	**	
1,2-Dibromo-3-chloropropane	ND	0.264	*	**	**	**	**	•	
1,2-Dibromoethane	ND .	0.251	**	•	**	**	••		
1,2-Dichlorobenzene	ND	5.00	**	**	**	#	**	**	
1,3-Dichlorobenzene	ND	5.00			n	**	**	Ħ	
1,4-Dichlorobenzene	ND	5.00	**	**	**	H		n	
Dichlorodifluoromethane	ND	5.00	71		Ħ	**	**	**	
1,1-Dichloroethane	ND	5.00	H	**			••	**	
1,2-Dichloroethane	ND	0.500		**	*	n			
1,1-Dichloroethene	ND	0.500	**	**	**	Ħ	#	#	
cis-1,2-Dichloroethene	ND	5.00	**	**	**	**	**	**	
rans-1,2-Dichloroethene	ND	5.00	**	**	**	н	**	n	
1,2-Dichloropropane	ND	0.500	**		•	*	Ħ	**	
1,3-Dichloropropane	ND	5.00	**	H	**	,			
2.2-Dichloropropane	ND	5.00	**	**	n	**	,	**	
Di-isopropyl ether	ND	5.00	•	**	,	••	**	#1	
Ethylbenzene	ND	5.00	**	* .	,,		**	n	
Hexachlorobutadiene	ND	10.0	**	**	**	,,		H	
sopropylbenzene	ND	5.00	**	**	e r	11	*	•	
>-Isopropyltoluene	ND .	5.00		**		**			
Methylene chloride	ND .	0.386		n .•	**				
Methyl tert-butyl ether				,	,,	•			
Naphthalene	ND ND	0.290 8.00							
a-Propylbenzene	ND ND			*					
1,1,2,2-Tetrachloroethane		5.00							
Fetrachloroethene	ND	0.331		••					
Toluene	ND	0.500							
•	ND .	5.00		"	**		**	. "	
,2,3-Trichlorobenzene	ND	.10.0		**	**	- "	*	#	
,2,4-Trichlorobenzene	ND	10.0	**	**	**	. **	*	. **	

Great Lakes Analytical--Oak Creek

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Andrea Stathas, Project Manager



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260

Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u> </u>						Frepared	Analyzeu	Method	
TRIP BLANK (W404197-05) Water	Sampled: 04/15/0	04 00:00 Re	eceived: (04/16/04 15	5:15				QC
1,1,1-Trichloroethane	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
1,1,2-Trichloroethane	ND	0.145	**	**	**	**	n	н	
Trichloroethene	ND	0.500	#1	*1	**	**	•	•	
Trichlorofluoromethane	ND	5.00	••	*	n	,	•	Ħ	
1,2,4-Trimethylbenzene	ND	5.00	**	91	n	**	**	**	
1,3,5-Trimethylbenzene	ND	5.00	**	**	**	*	**	Ħ	
Vinyl chloride	ND	0.217	#		**	#	**	,,	G14
Total Xylenes	ND	5.00	**	**	**	n	**	*	
Surrogate: Dibromofluoromethane		89.8 %	82.1	-117	. "	**	"	n	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70.2	?-131	**	*	"	•	
Surrogate: Toluene-d8		85.2 %	74.1	-125	••	*	•	•	
Surrogate: 4-Bromofluorobenzene		92.6 %	88.5	5-103	W .	•	"	"	
TW-1 (W404197-06) Water Sample	ed: 04/15/04 00:00	Received: 0	4/16/04	15:15					QC
Benzene	ND	0.500	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Bromobenzene	ND	5.00	**	#1	**	ŧı	**	"	
Bromodichloromethane	ND	0.391	**	,,	**	**	**	н	
n-Butylbenzene	ND	5.00	**	**	Ħ	**	**	**	
sec-Butylbenzene	ND	5.00		m	**	**	**	**	
tert-Butylbenzene	ND	5.00	**	11	**	•	**	Ħ	
Carbon tetrachloride	ND	0.372	**	Ħ	•	**	**	,,	
Chlorobenzene	ND	5.00		**		ŧı.	**	**	
Chloroethane	ND	5.00	**	н		**		Ħ	
Chloroform	ND	0.316		**	n	Ħ	**	**	
Chloromethane	ND	0.448			••	#1	•	H	
2-Chlorotoluene	ND	5.00				#	**	77	
4-Chlorotoluene	ND	5.00	*1	**	**	**		Ħ	
Dibromochloromethane	ND ND	5.00	**	**	+1	#	**	h	
1,2-Dibromo-3-chloropropane	ND	0.264	**		*	n		**	
1,2-Dibromoethane	ND	0.251		н	**	,,	**	•	
1,2-Dichlorobenzene	ND	5.00	,,	n	*	**		•	
1,3-Dichlorobenzene	ND ND	5.00	**	**	**	#	н	**	
1,4-Dichlorobenzene			11		**		*1		
Dichlorodifluoromethane			11	, .	,,				
1,1-Dichloroethane	ND	5.00		•			 		
1,2-Dichloroethane	ND	5.00	••		••		" ·		
1,1-Dichloroethene	· ND	0.500		"	**	"	#		
	ND	0.500						,,	
cis-1,2-Dichloroethene	ND	5.00	**	*	**		•		
trans-1,2-Dichloroethene	ND	5.00	••	**	*	**	**	*1	
1,2-Dichloropropane	ND	0.500	et	Ħ	Ħ	11	H	n	
1.3-Dichloropropane	ND	5.00	**	**		- "	•	**	
2,2-Dichloropropane	ND	5.00	*	•	91	**	**	**	

Great Lakes Analytical-Oak Creek

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Cendra Stathas



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TW-1 (W404197-06) Water	Sampled: 04/15/04 00:00	Received: (04/16/04 1	15:15			_		QC
Di-isopropyl ether	ND	5.00	ug/l	1	4040088	04/22/04	04/22/04	EPA 8260B	
Ethylbenzene	ND	5.00	н	**	**	•	"	h	
Hexachlerobutadiene	ND	10.0	n	n	**	•	•	Ħ	
Isopropylbenzene	ND	5.00	••	**	•	**	**	•	
p-Isopropyltoluene	. ND	5.00		**	**	*	•	•	
Methylene chloride	ND	0.386			**	**	•	•	
Methyl tert-butyl ether	ND	0.290	**	n	•	**	•	•	
Naphthalene	ND	8.00	**		*	**	**	•	
n-Propylbenzene	ND	5.00	Ħ	**	**	Ħ	••	**	
1,1,2,2-Tetrachloroethane	ND	0.331	**	**	,,	11	Ħ	**	
Tetrachloroethene	ND	0.500	**	*	*	#	**	**	
Toluene	ND	5.00	**	31	11 .	**	Ħ	**	
1,2,3-Trichiorobenzene	ND	10.0	**		n ,	f t	Ħ	Ħ	
1,2,4-Trichlorobenzene	ND	10.0	87	#	**	**	87	Ħ	
1,1,1-Trichloroethane	ND	5.00	91	Ħ	Ħ	*	ŧŧ	н	
1,1,2-Trichloroethane	ND	0.145	r	•	•	**	#	**	
Trichloroethene	ND	0.500	۳,			н	**	**	
Trichlorofluoromethane	ND	5.00	**	**	"	**	#	Ħ	
1,2,4-Trimethylbenzene	ND	5.00	#1	*1	*	**	*1	**	
1,3,5-Trimethylbenzene	ND	5.00	**	*	**	*	**	**	
Vinyl chloride	ND	0.217	۳		н	p	**	Ħ	G14
Total Xylenes	ND	5.00	**	**	**	, .	ŧı	*	
Surrogate: Dibromofluoromet	hane	93.0 %	82.1-	-117	,,	"	"	"	
Surrogate: 1.2-Dichloroethan		103 %	70.2-	-131	"	**	"	n	
Surrogate: Toluene-d8	•	86.0 %	74.1-	-125	**	*	. "	n	
Surrogate: 4-Bromofluorober:	zene	97.0 %	88.5	-103	••	. "	•	••	

Great Lakes Analytical--Oak Creek



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Dissolved Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-A (W404197-01) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Mercury	ND	0.000200	mg/l	1	4040442	04/19/04	04/25/04	EPA 7470A	
Arsenic	ND	0.0500	**	H	4040510	04/21/04	04/22/04	EPA 6010B	
Barium	ND	0.500	Ħ	Ħ	**	**	•	**	
Cadmium	ND	0.00500	*	,,	**	*		•	
Chromium	ND	0.0100	"		н	H	H	"	
Selenium	ND	0.0500	11	n	Ħ	•			
Silver	ND	0.0500	11	**	**	•	•	**	
Lead	ND	0.00500	**	*	4040579	04/25/04	04/25/04	EPA 7421	
MW-B (W404197-02) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Mercury	ND	0.000200	mg/l	1	4040442	04/19/04	04/25/04	EPA 7470A	
Arsenic	ND	0.0500	**	**	4040510	04/21/04	04/22/04	EPA 6010B	
Barium	ND	0.500	Ħ	71	* .	**	n	**	
Cadmium	ND	0.00500	**	**	Ti .	н		**	
Chromium	ND	0.0100			P	н	*	**	
Selenium .	ND	0.0500	**	**	**	**	**	•	
Silver	ND	0.0500	**	**	**	•	•		
Lead	ND	0.00500	**	tt	4040579	04/25/04	04/25/04	EPA 7421	
MW-C (W404197-03) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Mercury	ND	0.000200	mg/l	1	4040442	04/19/04	04/25/04	EPA 7470A	
Arsenic	ND	0.0500	**	11	4040510	04/21/04	04/22/04	EPA 6010B	
Barium -	ND	0.500	"		*1	*	n	Ħ	
Cadmium	ND	0.00500	**	ei .	Ħ	**	Ħ	#	
Chromium	ND	0.0100	11	**	Ħ	**	•	**	
Selenium	ND	0.0500	**	*		Ħ	*	,	
Silver	ND	0.0500	••	"	Ħ	**	•	**	
Lead	ND	0.00500	H	•	4040579	04/25/04	04/25/04	EPA 7421	

Great Lakes Analytical-Oak Creek

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Andrea Stathas, Project Manager



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Drake Environmental Inc.

. . . .

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Dissolved Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TW-4 (W404197-04) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Mercury	ND	0.000200	mg/l	1	4040442	04/19/04	04/25/04	EPA 7470A	
Arsenic	ND	0.0500	**		4040510	04/21/04	04/22/04	EPA 6010B	
Barium	ND	0.500	ŧt	**	**	Ħ	*	**	
Cadmium	ND	0.00500	**	*	91		•	**	
Chromium	0.700	0.0100	#1	•1	**			Ħ	
Selenium	0.0929	0.0500	•	•	**				
Silver	ND	0.0500	••	**	**	н	•	н	
Lead	1.26	0.120	**	#	4040579	04/25/04	04/25/04	EPA 7421	

Great Lakes Analytical-Oak Creek



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Drake Environmental Inc. 6980 N Teutonia Ave

Milwaukee, WI 53209-2536

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Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-A (W404197-61) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Acenaphthene	ND	5.00	ug/l	ı	4040454	04/20/04	04/23/04	EPA 8310	
Acenaphthylene	ND	5.00	. 41	**	**	Ħ	*	*	
Anthracene	11D	5.00		**	**	••	* .	*	
Benz (a) anthracene	ND	0.100		••	**	*	**	**	
Benzo (a) pyrene	ND	0.0200	**	*	*	**	•	*	
Benzo (b) fluoranthene	ND	0.0200	*			•	Ħ	**	
Benzo (ghi) perylene	ND	5.00	*	m	**	"	"	н	
Benzo (k) fluoranthene	ND	0.100	*	11	*	**	**	**	
Chrysene -	ND	0.0200	**	•	*	n	*	91	
Dibenz (a,h) anthracene	ND	0.100	n	**	**	•	•	Ħ	
Fluoranthene	ND	5.00	+1	**	*	11	*	**	
Fluorene	ND	5.00	**	**	.	**	•	m	
Indeno (1,2,3-cd) pyrene	ND	0.200	**	**		н	•	Ħ	
1-Methylnaphthalene	ND	5.00	**	**		•	•	п	
2-Methylnaphthalene	ND	5.00	**	**	**	Ħ	**	Ħ	
Naphthalene .	ND	5.00	11	*1		Ħ	Pr Pr	Ħ	
Phenanthrene	ND	5.00	**		•		**	Ħ	
Ругепе	ND	5.00		•	*	h	*	#	
Surrogate: Carbazole		35.5 %	18-	132	"	"	Pr .	"	
MW-B (W404197-02) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Acenaphthene	ND	5.00	ug/l	1	4040454	04/20/04	04/23/04	EPA 8310	
Acenaphthylene	ND	5.00	#	**	**	**			
Anthracene	ND	5.00	**			**	•	•	
Benz (a) anthracene	ND	0.100		Ħ	**	n	•	•	
Benzo (a) pyrene	ND	0.0200	11	,,	**	*	*	m	
Benzo (b) fluoranthene	ND	0.0200	n.	"	,,		••	11	
Benzo (ghi) perylene	ND	5.00	**	11	н	#	**	**	
Benzo (k) fluoranthene	ND	0.100	**		n	н	**	н	
Chrysene	ND	0.0200		*	*	11	**	Ħ	
Dibenz (a,h) anthracene	. ND	0.100	**		ŧı	•	#	n	
Fluoranthene	ND	5.00	**	n		n	**		
Fluorene	ND ·	5.00	••	**	**	••	**	**	
INOLENE			,,		**	**	*	**	
		0.200							
indeno (1,2,3-cd) pyrene	ND	0.200 5.00	. "		n	**		•	
indeno (1,2,3-cd) pyrene I-Methylnaphthalene	ND ND	5.00	. 11	#1 Pt	n n	"	ti .	# #	
indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene	ND ND ND	5.00 5.00	, # #	# # # # # # # # # # # # # # # # # # #		# #	91 . 91 95	# #	
indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene Naphthalene	ND ND ND ND	5.00 5.00 5.00		11 11 11	**	# # #	91	0 0 11	
indeno (1,2,3-cd) pyrene I-Methylnaphthalene 2-Methylnaphthalene	ND ND ND	5.00 5.00	**	11 11 11 11	11	# # # # # # # # # # # # # # # # # # #	91 95 99 99	" " " "	

Great Lakes Analytical--Oak Creek

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Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns

Reporting

Reported: 04/27/04 14:02

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C (W404197-03) Water	Sampled: 04/15/04 00:00	Received:	04/16/04	15:15					
Acenaphthene	ND	5.00	ug/l	1	4040454	04/20/04	04/23/04	EPA 8310	
Acenaphthylene	ND	5.00	**	**	•	*	•	*	
Anthracene	ND	5.00	**	**	**	,,	**	*	
Benz (a) anthracene	ND	0.100	17	**	•II		**	. "	
Benzo (a) pyrene	ND	0.0200	**	**	**	**	"	**	
Benzo (b) fluoranthene	ND	0.0200	**	*	**	**	**	•	
Benzo (ghi) perylene	ND	5.00	Ħ	**	*1	*	**	r	
Benzo (k) fluoranthene	ND	0.100	** .	**	*	•	••	**	
Chrysene	ND	0.0200	۳	**	**	**	••	*	
Dibenz (a,h) anthracene	ND	0.100	**	*1	**	*	**	n	
Fluoranthene	ND	5.00	*1	Ħ	**	Ħ	**	11	
Fluorene	ND	5.00	H ,	*	*	n	Ħ	**	
Indeno (1,2,3-cd) pyrene	ND	0.200	**	81	н ,	*	**	**	
1-Methylnaphthalene	ND	5.00	81	\$1	H	**	**	**	
2-Methylnaphthalene	ND	5.00	11		**	*	**	**	
Naphthalene	ND	5.00	*1	*	**	Ħ	Ħ	. "	
Phenanthrene	ND	5.00	# .	**		*	**	Ħ	
Py re ne	ND	5.00	#1	# .	•	**	•	Ħ	
Surrogate: Carbazole		32.6 %	18-1	32	,,	"	*	"	
TW-4 (W404197-04) Water	Sampled: 04/15/04 00:00								
Acenaphthene	ND	5.00	ug/l	1	4040454	04/20/04	04/23/04	EPA 8310	
Acenaphthylene	ND	5.00	,		*1				
Anthracene			. "		71	**	**	•	
	ND		. "	"		**	11	n	
Benz (a) anthracene	ND 0.106	5.00					#1 11		
Benz (a) anthracene Benzo (a) pyrene	0.106	5.00 0.100	,	•	•		#1 #1 #1		01
Benzo (a) pyrene	0.106 0.121	5.00 0.100 0.0200	"	•	H H	PI	**		010
Benzo (a) pyrene Benzo (b) fluoranthene	0.106 0.121 0.0957	5.00 0.100 0.0200 0.0200	11 11	91 91	n n	97 91	# #		010
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perviene	0.106 0.121 0.0957 ND	5.00 0.100 0.0200 0.0200 5.00	11 11	91 91	#1 #1 #1	97 91	#1 #1		O10
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene	0.106 0.121 0.0957 ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100	11 11	91 91	n n n	97 91	61 91 91		01
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene	0.106 0.121 0.0957 ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200	**	91 91	n n n n	n n n	11 11 11 11		Ole
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene	0.106 0.121 0.0957 ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 0.100	" " " " " " "	11 11 11 11 11 11 11 11 11	n n n n	n n n n	** ** ** ** ** ** **		010
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	0.106 0.121 0.0957 ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 0.100 5.00	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11 11	n n n n n	n n n n	** ** ** ** ** ** ** ** ** ** ** ** **		Ole
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perviene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	0.106 0.121 0.0957 ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 0.100 5.00 5.00	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11 11	n n n n n n n n n n n n n n n n n n n	** ** ** ** ** ** ** ** ** ** ** ** **	**		Ole
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perviene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	0.106 0.121 0.0957 ND ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 0.100 5.00 5.00 0.200	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11 11	n n n n n n n n n n n n n n n n n n n	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **		016
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perviene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene	0.106 0.121 0.0957 ND ND ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 0.100 5.00 5.00 0.200 5.00	" " " " " " " " " " " " " " " " " " "	11 11 11 11 11 11 11	n n n n n n n n n n n n n n n n n n n	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **		016
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene	0.106 0.121 0.0957 ND ND ND ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 5.00 5.00 5.00 5.00 5.00	" " " " " " " " " " " " " " " " " " "	11 11 11 11 11 11 11	**************************************	** ** ** ** ** ** ** ** ** ** ** ** **	** ** ** ** ** ** ** ** ** ** ** ** **	10 10 10 10 10 10 10 10 10 10 10 10 10 1	OI
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene Naphthalene	0.106 0.121 0.0957 ND ND ND ND ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 5.00 5.00 5.00 5.00 5.00 5.00	" " " " " " " " " " " " " " " " " " "		**************************************		** ** ** ** ** ** ** ** ** ** ** ** **	10 10 10 10 10 10 10 10 10 10 10 10 10 1	OH
Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene 2-Methylnaphthalene	0.106 0.121 0.0957 ND ND ND ND ND ND ND ND	5.00 0.100 0.0200 0.0200 5.00 0.100 0.0200 5.00 5.00 5.00 5.00 5.00	" " " " " " " " " " " " " " " " " " "		**************************************		** ** ** ** ** ** ** ** ** ** ** ** **	10 10 10 10 10 10 10 10 10 10 10 10 10 1	010

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013.
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Gasoline Range Organics (GRO) by WDNR GRO - Quality Control Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040090 - EPA 5030B (P/T)				<u></u> .						
Blank (4040090-BLK1)				Prepared	& Analyze	ed: 04/22/0	04			
Gasoline Range Organics (GRO)	ND	50.0	ug/l							
LCS (4040090-BS1)				Prepared	& Analyze	ed: 04/22/0	04			
Gasoline Range Organics (GRO)	242	50.0	ug/l	250		96.8	80-120			
Matrix Spike (4040090-MS1)	So	irce: W4042	12-02	Prepared	& Analyze	ed: 04/22/0	04			
Gasoline Range Organics (GRO)	275	50.0	ug/l	250	51.0	89.6	75-125			
Matrix Spike Dup (4040090-MSD1)	So	irce: W4042	12-02	Prepared:	04/22/04	Analyzed	: 04/23/04			
Gasoline Range Organics (GRO)	287	50.0	ug/l	250	51.0	94.4	75-125	4.27	20	

Great Lakes Analytical-Oak Creek

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Andrea Stathas, Project Manager

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Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Diesel Range Organics (DRO) by WDNR DRO - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040083 - EPA 3510C	<u> </u>								· · · · · · · · · · · · · · · · · · ·	
Blank (4040083-BLK1)				Prepared	& Analyze	ed: 04/21/0)4			
Diesel Range Organics (DRO)	ND	0.100	mg/l							
LCS (4040083-BS1)				Prepared .	& Analyze	ed: 04/21/0	04			
Diesel Range Organics (DRO)	0.882	0.100	mg/l	1.00		88.2	75-115			
LCS Dup (4040083-BSD1)				Prepared	& Analyze	ed: 04/21/0)4			
Diesel Range Organics (DRO)	0.810	0.100	mg/l	1.00		81.0	75-115	8.51	20	

Great Lakes Analytical-Oak Creek

India Station



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Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)		<u> </u>								
Blank (4040088-BLK1)				Prepared	& Analyze	ed: 04/22/0)4			
Benzene	ND	0.500	ug/l							
Bromobenzene	ND	5.00	•		•					
Bromodichloromethane	ND	0.391	Ħ							
n-Butylbenzene	ND	5.00	*							
sec-Butylbenzene	ND	5.00	••							
tert-Butylbenzene	ND	5.00	**							
Carbon tetrachloride	ND	0.372	**							
Chlorobenzene	ND	5.00	**							
Chloroethane	ND	5.00	**							
Chloroform	ND	0.316	**		•					
Chloromethane	ND	0.448	Ħ							
2-Chlorotoluene	ND	5.00	**							
4-Chlorotoluene	ND	5.00	**							
Dibromochloromethane	ND	5.00	91							
1,2-Dibromo-3-chloropropane	ND	0.264	**							
1,2-Dibromoethane	ND	0.251	**							
1,2-Dichlorobenzene	ND	5.00	**						•	
1,3-Dichlorobenzene	ND	5.00	11							
1,4-Dichlorobenzene	ND	5.00	**							
Dichlorodifluoromethane	ND	5.00	**							
1,1-Dichloroethane	ND	5.00	91							
1,2-Dichloroethane	ND	0.500	**							
1,1-Dichloroethene	ND	0.500	**							
cis-1,2-Dichloroethene	ND	5.00	**							
trans-1,2-Dichloroethene	ND	5.00	**							
1,2-Dichloropropane	ND	0.500	**							
1,3-Dichloropropane	ND .	. 5.00	••							
2,2-Dichloropropane	ND	5.00	**	•						
Di-isopropyl ether	ND	5.00	н							
Ethylbenzene	ND .	5.00	" '				•			
Hexachlorobutadiene	ND	10.0	,,							
isopropylbenzene	ND	5.00	•							
o-Isopropyltoluene	ND	5.00	**		•					
Methylene chloride	ND.	0.386	**							
Methyl tert-butyl ether	ND.	0.290	**							

Great Lakes Analytical-Oak Creek

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India Status



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)										
Blank (4040088-BLK1)				Prepared	& Analyze	ed: 04/22/	04			
Naphthalene	ND	8.00	ug/l							
n-Propylbenzene	ND	5.00	**							
1,1,2,2-Tetrachloroethane	ND	0.331	11							
Tetrachloroethene	ND	0.500	•							
Toluene	ND	5.00	•							
1,2,3-Trichlorobenzene	ND	10.0	*				*			
1,2,4-Trichlorobenzene	ND	10.0	**							
1,1,1-Trichloroethane	ND	5.00	**							
1,1,2-Trichloroethane	ND	0.145	**							
Trichloroethene	ND	0.500	**							
Trichlorofluoromethane	ND	5.00	**							
1,2,4-Trimethylbenzene	ND	5.00	**							
1,3,5-Trimethylbenzene	ND	5.00	**							
Vinyl chloride	ND	0.217	**							G1
Total Xylenes	ND	5.00	Ħ							
Surrogate: Dibromofluoromethane	44.2		"	50.0	·	88.4	82.1-117	110		
Surrogate: 1,2-Dichloroethane-d4	40.9		"	50.0		81.8	70.2-131			
Surrogate: Toluene-d8	43.4		"	50.0		86.8	74.1-125			
Surrogate: 4-Bromofluorobenzene	47.1		•	50.0		94.2	88.5-103			
LCS (4040088-BS1)				Prepared a	& Analyze	d: 04/22/0)4			
Benzene	17.5	0.500	ug/l	20.0		87.5	70-130			
Bromobenzene	17.0	5.00	**	20.0		85.0	70-130			
Bromodichloromethane	23.5	0.391	**	20.0		118	70-130			
n-Butylbenzene	17.4	5.00	**	20.0		87.0	70-130			
sec-Butylbenzene	16.7	5.00	**	20.0		83.5	70-130			
en-Butylbenzene	17.5	5.00	**	20.0		87.5	70-130			
Carbon tetrachloride	26.3	0.372	**	20.0		132	70-130			Н
Chlorobenzene	18.2	5.00	**	20.0		91.0	70-130			
Chloroethane	18.2	5.00	**	20.0		91.0	70-130			
Chloroform	19.5	0.316	••	20.0		97.5	70-130			
Chloromethane	18.7	0.448	Ħ	20.0		93.5	70-130			
2-Chlorotoluene	16.7	5.00	н .	20.0		83.5	70-130			
1-Chlorotoluene	16.7	5.00	**	20.0		83.5	70-130			
Dibromochloromethane	19.7	5.00		20.0		98.5	70-130	•		
1,2-Dibromo-3-chloropropane	19.7	0.264	11	20.0		98.5	70-130			

Great Lakes Analytical-Oak Creek

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India Status



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Orake Environmental Inc. 6980 N Teutonia Ave

Milwaukee, WI 53209-2536

-::

Project: Greenebaum Tannery

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical--Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)										
LCS (4040088-BS1)				Prepared	& Analyze	ed: 04/22/0)4			
1,2-Dibromoethane	18.9	0.251	ug/l	20.0		94.5	70-130			
1,2-Dichlorobenzene	20.5	5.00	71	20.0		102	70-130			
1,3-Dichlorobenzene	19.5	5.00	**	20.0		97.5	70-130			
1,4-Dichlorobenzene	19.5	5.00	"	20.0		97.5	70-130			
Dichlorodifluoromethane	21.4	5.00	*1	20.0		107	70-130			
1,1-Dichioroethane	17.8	5.00	*	20.0		89.0	70-130			
1,2-Dichloroethane	21.8	0.500	er	20.0		109	70-130			
1,1-Dichloroethene	16.0	0.500	**	20.0		80.0	70-130			
cis-1,2-Dichloroethene	16.7	5.00	*	20.0		83.5	70-130			
trans-1,2-Dichloroethene	17.1	5.00	**	20.0		85.5	70-130			
1.2-Dichloropropane	20.0	0.500	**	20.0		100	70-130			
1,3-Dichloropropane	18.3	5.00	**	20.0		91.5	70-130			
2.2-Dichloropropane	18.8	5.00	Ħ	20.0		94.0	70-130			
Di-isopropyl ether	15.9	5.00	Ħ	20.0		79.5	70-130			
Ethylbenzene	16.7	5.00	**	20.0		83.5	70-130			
Hexachlorobutadiene	20.9	10.0	**	20.0		104	70-130			
Isopropylbenzene	18.8	5.00	11	20.0		94.0	70-130			
p-Isopropyltoluene	17.6	5.00	•	20.0		88.0	70-130			
Methylene chloride	17.1	0.386		20.0		85.5	70-130			
Methyl tert-butyl ether	16.9	0.290	Ħ	20.0		84.5	70-130			
Naphthalene	19.3	8.00	н .	20.0	,	96.5	70-130			
n-Propylbenzene	16.6	5.00	n	20.0		83.0	70-130			
1,1,2,2-Tetrachloroethane	21.7	0.331	••	20.0		108	70-130			
Tetrachloroethene	. 19.5	0.500	**	20.0		97.5	70-130			
Toluene	17.2	5.00	**	20.0		86.0	70-130			
1.2.3-Trichlorobenzene	21.7	10.0	••	20.0		108	70-130			
1,2,4-Trichlorobenzene	20.5	_ 10.0	**	20.0		102	70-130			
1,1,1-Trichloroethane	22.3	5.00	**	20.0		112	70-130			
1,1,2-Trichloroethane	19.6	0.145	••	20.0		98.0	70-130			
Trichloroethene	19.2	0.500		20.0		96.0	70-130			
Trichlorofluoromethane	22.7	5.00	Ħ	20.0		114	70-130			
1.2.4-Trimethylbenzene	16.8	5.00	**	20.0		84.0	70-130			
1,3,5-Trimethylbenzene	16.7	5.00	**	20.0		83.5	70-130			
Vinyl chloride	44.5	0.217		20.0		222	70-130		•	H G
Total Xylenes	53.0	5.00	ŧı	60.0		88.3	70-130			5.

Great Lakes Analytical--Oak Creek

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Geodica Stathas



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc. 6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project: Greenebaum Tannery

Project Number: 04013 Project Manager: DJ Burns Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)										
LCS (4040088-BS1)				Prepared	& Analyze	ed: 04/22/	′04			
Surrogate: Dibromofluoromethane	49.1		ug/l	50.0		98.2	82.1-117			
Surrogate: 1,2-Dichloroethane-d4	55.9		**	50.0		112	70.2-131			
Surrogate: Toluene-d8	39.5		n	50.0		79.0	74.I-125			
Surrogate: 4-Bromofluorobenzene	47.9		"	50.0		95.8	<i>88.5-103</i>			
Matrix Spike (4040088-MS1)	So	urce: W4041	97-01	Prepared	& Analyze	d: 04/22/	04			
Benzene	18.2	0.500	ug/l	20.0	ND	91.0	71.3-120			
Bromobenzene	16.1	5.00	**	20.0	ND	80.5	71.1-118			
Bromodichloromethane	20.0	0.391	**	20.0	ND	100	70.3-135			
n-Butylbenzene	16.7	5.00	**	20.0	ND	83.5	55.4-128			
sec-Butylbenzene	15.9	5.00	**	20.0	ND	79.5	64.2-120			
tert-Butylbenzene	16.6	5.00	*1	20.0	ND	83.0	54.9-126			
Carbon tetrachloride	26.7	0.372	**	20.0	ND	134	52.7-138			
Chlorobenzene	17.7	5.00	•	20.0	ND	88.5	73.1-111			
Chloroethane	20.2	5.00	**	20.0	ND	101	47.7-133			
Chloroform	19.0	0.316	•	20.0	ND	95.0	69.1-126			
Chloromethane	19.8	0.448	91	20.0	ND	99.0	50.7-120			
2-Chlorotoluene	15.6	5.00	Ħ	20.0	ND	78.0	63.4-119			
4-Chlorotoluene	15.6	5.00	н.	20.0	ND	78.0	65.9-126			
Dibromochloromethane	18.2	5.00	**	20.0	ND	91.0	67.4-116			
1.2-Dibromo-3-chloropropane	18.1	0.264	21	20.0	ND	90.5	56.6-138			
1,2-Dibromoethane	17.5	0.251	**	20.0	ND	87.5	69.2-114			
1,2-Dichlorobenzene	18.8	5.00	**	20.0	ND	94.0	70.7-124			
1,3-Dichlorobenzene	18.4	5.00	97	20.0	ND	92.0	71.1-119			
1,4-Dichlorobenzene	18.0	5.00		20.0	ND	90.0	69.6-115			
Dichlorodifluoromethane	23.3	5.00	**	20.0	ND	116	53.1-124			
1,1-Dichloroethane	17.7	5.00	**	20.0	ND	88.5	68.6-131			
1,2-Dichloroethane	21.0	0.500	**	20.0	ND	105	63.1-125			
1,1-Dichloroethene	16.7	0.500	**	20.0	ND	83.5	59.5-115			
cis-1,2-Dichloroethene	17.6	5.00	**	20.0	ND	88.0	66.6-131	•		
trans-1,2-Dichloroethene	17.9	5.00	**	20.0	ND	89.5	57.2-132	•		
1,2-Dichloropropane	18.7		••	20.0	ND ·	93.5	76.4-120			
1,3-Dichloropropane	17.1	5.00		20.0	ND	85.5	72.3-111			
2.2-Dichloropropane	17.6	5.00	** .	20.0	ND	88.0	57.9-117			
Di-isopropyl ether	15.4	5.00	- "	20.0	ND	77.0	59.2-122	•		
Ethylbenzene	15.7.	5.00	**	20.0	ND		.64.7-130			

Great Lakes Analytical-Oak Creek

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Cendra Status



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery
Project Number: 04013

6980 N Teutonia Ave Milwaukee, WI 53209-2536

Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical-Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)			· • · · • • • •							
Matrix Spike (4040088-MS1)	So	urce: W40419	7-01	Prepared	& Analyze	d: 04/22/	04			
Hexachlorobutadiene	19.2	10.0	ug/l	20.0	ND	96.0	63.3-127			
Isopropylbenzene	17.8	5.00	*	20.0	ND	89.0	55.1-132			
p-Isopropyltoluene	16.9	5.00	**	20.0	ND	84.5	54.8-128			
Methylene chloride	17.6	0.386	n	20.0	ND	88.0	62.8-130			
Methyl tert-butyl ether	17.1	0.290	"	20.0	ND	85.5	54.5-125			
Naphthal e ne	17.1	00.8	**	20.0	ND	85.5	48.5-135			
n-Propylbenzene	16.2	5.00	**	20.0	ND	81.0	64.6-125			
1,1,2,2-Tetrachloroethane	18.4	0.331	**	20.0	ND	92.0	67.8-125			
Tetrachloroethene	19.1	0.500	. *	20.0	ND	95.5	66.8-110			
Toluene	16.6	5.00	**	20.0	ND	83.0	72.5-108			
1,2,3-Trichlorobenzene	18.8	10.0	**	20.0	ND	94.0	57.4-135			
1,2,4-Trichlorobenzene	18.0	10.0	**	20.0	ND	90.0	56.9-124			
1,1,1-Trichloroethane	22.5	5.00	**	20.0	ND	112	59.8-129			
1,1,2-Trichloroethane	18.4	0.145	**	20.0	ND	92.0	74.5-115			
Trichloroethene	20.5	0.500	**	20.0	ND	102	68.1-116			
Trichlorofluoromethane	23.9	5.00	n	20.0	ND	120	57.4-150			
1,2,4-Trimethylbenzene	16.1	5.00	**	20.0	ND	80.5	57-126			
1,3,5-Trimethylbenzene	16.4	5.00	**	20.0	ND	82.0	56.2-126			
Vinyl chloride	45.8	0.217	**	20.0	ND	229	59.4-139			H GI
Total Xylenes	49.7	5.00	**	60.0	ND	82.8	66.9-119			
Surrogate: Dibromofluoromethane	47.0		n	50.0	-	94.0	82.1-117			
Surrogate: 1,2-Dichloroethane-d4	53.8		**	50.0		108	70.2-131			
Surrogate: Toluene-d8	39.3		"	50.0		78.6	74.1-125			
Surrogate: 4-Bromofluorobenzene	46.9			50.0		93.8	88.5-103			
Matrix Spike Dup (4040088-MSD1)	Son	urce: W40419	7-01	Prepared &	& Analyze	d: 04/22/	04			
Benzene	18.9	0.500	ug/l	20.0	ND	94.5	71.3-120	3.77	23.7	
Bromobenzene	18.6	5.00	**	20.0	ND	93.0	71.1-118	14.4	26.7	
Bromodichloromethane	20.8	0.391	**	20.0	ND	104	70.3-135	3.92	26	
n-Butylbenzene	19.4	5.00	**	20.0	ND	97.0	55.4-128	15.0	38.2	
sec-Butylbenzene	19.2	5.00	**	20.0	ND	96.0	64.2-120	18.8	35.2	
tert-Butylbenzene	19.7	5.00	**	20.0	ND	98.5	54.9-126	17.1	30.6	
Carbon tetrachloride	27.7	0.372	•	20.0	ND	138	52.7-138	3.68	29.5	
Chlorobenzene	19.6	5.00		20.0	ND	98.0	73.1-111	10.2	23.1	
Chloroethane	21.3	5.00	**	20.0	ND	- 106	47.7-133	5.30	28.6	
Chloroform	22.7	0.316	**	20.0	ND	114	69.1-126	17.7	22.7	

Great Lakes Analytical-Oak Creek

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Drake Environmental Inc.

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Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)										
Matrix Spike Dup (4040088-MSD1)	Sou	rce: W4041	97-01	Prepared	& Analyze	ed: 04/22/	04	,		
Chloromethane	22.4	0.448	ug/l	20.0	ND	112	50.7-120	12.3	40	
2-Chloretoluene	18.5	5.00	**	20.0	ND	92.5	63.4-119	17.0	25.6	
-Chlorotoluene	18.6	5.00	••	20.0	ND	93.0	65.9-126	17.5	26.3	
Dibromochloromethane	19.8	5.00	n	20.0	ND	99.0	67.4-116	8.42	27.4	
.2-Dibromo-3-chloroprepane	20.6	0.264	Ħ	20.0	ND	103	56.6-138	12.9	38.9	
,2-Dibremoethane	20.0	0.251	**	20.0	ND	100	69.2-114	13.3	20.7	
,2-Dichlorobenzene	22.3	5.00	**	20.0	ND	112	70.7-124	17.0	25.4	
,3-Dichlorobenzene	21.7	5.00	97	20.0	ND	108	71.1-119	16.5	25.6	
,4-Dichlorobenzene	21.1	5.00	н	20.0	ND	106	69.6-115	15.9	26	
Dichlorodifluoromethane	25.5	5.00	11	20.0	ND .	128	53.1-124	9.02	25.5	Н
,1-Dichioroethane	21.0	5.00	**	20.0	ND	105	68.6-131	17.1	22.1	
.2-Dichloroethane	24.2	0.500	•	20.0	ND	121	63.1-125	14.2	25.5	
,1-Dichloroethene	19.5	0.500		20.0	ND	97.5	59.5-115	15.5	23.3	
sis-1,2-Dichloroethene	20.0	5.00	**	20.0	ND	100	66.6-131	12.8	27.4	
rans-1,2-Dichloroethene	20.0	5.00	**	20.0	ND	100	57.2-132	11.1	26.4	
,2-Dichloropropane	21.0	0.500		20.0	ND	105	76.4-120	11.6	23.3	
.3-Dichloropropane	19.1	5.00	н	20.0	ND	95.5	72.3-111	11.0	23	
.2-Dichloropropane	19.9	5.00	11	20.0	ND	99.5	57.9-117	12.3	25.1	
Di-isopropyl ether	18.5	5.00	*1	20.0	ND	92.5	59.2-122	18.3	28.6	
Ethylbenzene	18.3	5.00		20.0	ND	91.5	64.7-130	15.3	25.7	
lexachlorobutadiene	23.7	10.0	**	20.0	ND	118	63.3-127	21.0	40	
sopropylbenzene	20.4	5.00	#1	20.0	ND	102	55.1-132	13.6	28.5	
-lsopropyltoluene	20.1	5.00	Ħ	20.0	ND	100	54.8-128	17.3	35.3	
Methylene chloride	19.8	0.386	**	20.0	ND	99.0	62.8-130	11.8	23.7	
Methyl tert-butyl ether	19.5	0.290	**	20.0	ND	97.5	54.5-125	13.1	40	
laphthalene	21.3	8.00	**	20.0	ND	106	48.5-135	21.9	40	
-Propylbenzene	19.0		••	20.0	ND	95.0	64.6-125	15.9	34.7	
,1,2,2-Tetrachioroethane	21.2	0.331	••	20.0	ND	106	67.8-125	14.1	22.5	
etrachloroethene	22.1	0.500		20.0	ND	110	66.8-110	14.6	24.6	
oluene	18.8	5.00	**	20.0	ND	94.0	72.5-108	12.4	23.1	
.2,3-Trichlorobenzene	23.4	10.0	**	20.0	ND	117	57.4-135	21.8	31.8	
2,4-Trichlorobenzene	21.8	10.0	н	20.0	ND	109	56.9-124	19.1		
i,l-Trichloroethane	26.0	5.00	•	20.0	ND	130	59.8-129	19.1	31.2	17
.1.2-Trichloroethane	20.4	0.145	•	20.0	ND	-102	74.5-115		21.8	Н
richloroethene	21.8	0.143	**	20.0	ND	102	68.1-116	10.3 6.15	23.7	

Great Lakes Analytical-Oak Creek

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Cendra Stathas



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Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

WDNR Volatile Organic Compounds by Method 8260 - Quality Control Great Lakes Analytical—Oak Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040088 - EPA 5030B (P/T)					_					
Matrix Spike Dup (4040088-MSD1)	So	urce: W4041	97-01	Prepared	& Analyze	ed: 04/22/	'04			
Trichlorofluoromethane	27.2	5.00	ug/l	20.0	ND	136	57.4-150	12.9	29.4	
1,2,4-Trimethylbenzene	18.7	5.00	**	20.0	ND	93.5	57-126	14.9	28.7	
1,3,5-Trimethylbenzene	18.9	5.00	**	20.0	ND	94.5	56.2-126	14.2	31	
Vinyl chloride	51.8	0.217	**	20.0	ND	259	59.4-139	12.3	34.5	H G14
Total Xylenes	55.8	5.00	**	60.0	ND	93.0	66.9-119	11.6	24.3	
Surrogate: Dibromofluoromethane	48.4		**	50.0		96.8	82.1-117			
Surrogate: 1,2-Dichloroethane-d4	53.2		**	50.0		106	70.2-131			
Surrogate: Toluene-d8	39.3		**	50.0		78.6	74.1-125			
Surrogate: 4-Bromofluorobenzene	47.2		*	50.0		94.4	88.5-103			

Great Lakes Analytical-Oak Creek



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Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control

Great Lakes Analytical-Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040442 - EPA 7470A	·	·····								
Blank (4040442-BLK1)				Prepared:	04/19/04	Analyze	1: 04/25/04			
Mercury	ND	0.000200	mg/l	•				· · · · ·		
LCS (4040442-BS1)				Prepared:	04/19/04	Analyzed	1: 04/25/04			
Mercury	0.00159	0.000200	mg/l	0.00150		106	72.1-128			
Matrix Spike (4040442-MS1)	Son	urce: W4041	97-01	Prepared:	04/19/04	Analyzeo	i: 04/25/04			
Mercury	0.00175	0.000200	mg/l	0.00150	ND	117	73.7-127			
Matrix Spike Dup (4040442-MSD1)	Soi	arce: W4041	97-01	Prepared:	04/19/04	Analyzeo	I: 04/25/04			
Mercury	0.00176	0.000200	mg/l	0.00150	ND	117	73.7-127	0.570	18.7	
Batch 4040510 - General Prep Metals										
Blank (4040510-BLK1)				Prepared:	04/21/04	Analyza	1. 04/22/04			
Arsenic	ND	0.0500	mg/l	Fiepareu.	04/21/04	Allalyzec	1. 04/22/04			
Barium	ND	0.500	# ·							
Cadmium	ND	0.00500	**							
Chromium	ND	0.0100								
Selenium	ND	0.0500	••							
Silver	ND	0.0500	**							
LCS (4040510-BS1)				Prepared:	04/21/04	Analyzed	· 04/22/04			
Arsenic	1.86	0.0500	mg/l	2.00		93.0	84.5-110			
Barium	3.96	0.500	"	4.00		99.0	88.8-111			
Cadmium	2.02	0.00500	••	2.00		101	90-114			
Chromium	3.79	0.0100	••	4.00		94.8	83.3-110			
Selenium	1.96	0.0500	**	2.00		98.0	87.7-111			
Silver	1.92	0.0500	••	2.00		96.0	76.8-113			

Great Lakes Analytical-Oak Creek

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Cendra Status



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical—Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
			<u> </u>	20.01	1100-11	70.20				
Batch 4040510 - General Prep Meta	ls								 	
Matrix Spike (4040510-MS1)	Sot	ırce: B40433	5-01	Prepared:	04/21/04	Analyzed	1: 04/22/04			
Arsenic	1.92	0.0500	mg/l	2.00	0.0131	95.3	83.6-110			
Barium	4.07	0.500	e	4.00	0.0835	99.7	87.8-114			
Cadmíum ´	1.99	0.00500	**	2.00	ND	99.5	85.8-115			
Chromium	3.81	0.0100	**	4.00	ND	95.2	80-110			
Selenium	2.16	0.0500	11	2.00	0.0232	107	87.3-122			
Silver	1.86	0.0500	٠.	2.00	ND	93.0	10-149			
Matrix Spike Dup (4040510-MSD1)	Sou	ırce: B40433	5-01	Prepared:	04/21/04	Analyzed	1: 04/22/04			
Arsenic	1.83	0.0500	mg/l	2.00	0.0131	90.8	83.6-110	4.80	5.37	
Barium	3.94	0.500	Ħ	4.00	0.0835	96.4	87.8-114	3.25	5.74	
Cadmium	1.91	0.00500	**	2.00	ND	95.5	85.8-115	4.10	5.99	
Chromium	3.63	0.0100	**	4.00	ND	90.8	80-110	4.84	5.89	
Selenium	2.11	0.0500	**	2.00	0.0232	104	87.3-122	2.34	5.02	
Silver	1.74	0.0500	*1	2.00	ND	87.0	10-149	6.67	40	
Batch 4040579 - General Prep Metal	ls									
Blank (4040579-BLK1)				Prepared	& Analyze	:d: 04/25/	04		-	
Lead	ND	0.00500	mg/l							
JCS (4040579-BS1)				Prepared	& Analyze	d: 04/25/	04			
ead	0.0240	0.00500	mg/l	0.0300	· · · · · ·	80.0	74.9-132			
Matrix Spike (4040579-MS1)	Sou	rce: W40419	97-01	Prepared a	& Analyze	d: 04/25/	04			
æad	0.0264	0.00500	mg/l	0.0300	ND	88.0	47.3-154			
Matrix Spike Dup (4040579-MSD1)	Sou	rce: W40419	97-01	Prepared of	& Analyze	d: 04/25/	04			

Great Lakes Analytical-Oak Creek

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Cendra Status



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Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Polynuclear Aromatic Hydrocarbons by EPA Method 8310 - Quality Control Great Lakes Analytical—Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040454 - EPA 3510C			<u>.</u>							
Blank (4040454-BLK1)				Prepared:	04/20/04	Analyzec	i: 04/23/04			
Acenaphthene	ND	5.00	ug/l							
Acenaphthylene	ND	5.00	**							
Anthracene	ND	5.00	n							
Benz (a) anthracene	ND	0.100	n							
Benzo (a) pyrene	ND	0.0200	**							
Benzo (b) fluoranthene	ND	0.0200								
Benzo (ghi) perylene	ND	5.00	**							
Benzo (k) fluoranthene	ND	0.100	**							
Chrysene	ND	0.0200	**							
Dibenz (a,h) anthracene	ND	0.100	**		•					
Fluoranthene	ND	5.00	**							
Fluorene	ND	5.00	**							
Indeno (1,2,3-cd) pyrene	ND	0.200								
1-Methylnaphthalene	ND	5.00	*							
2-Methylnaphthalene	ND	5.00	н							
Naphthal e ne	ND	5.00	**							
Phenanthrene	ND	5.00	**							
Рутепе	ND	5.00	•							
Surrogate: Carbazole	1.55		"	4.00		38.8	18-132			
LCS (4040454-BS1)				Prepared:	04/20/04	Analyzed	: 04/23/04			
Acenaphthene	2.37	0.500	ug/l	4.00		59.2	25.3-110			
Acenaphthylene	3.02	0.500	••	4.00		75.5	20.7-110			
Anthracene	2.94	0.500		4.00		73.5	30.8-110			
Benz (a) anthracene	. 2.74	0.100	**	4.00		68.5	37.2-116			
Benzo (a) pyrene	2.93	0.0200	**	4.00		73.2	14.1-118			
Benzo (b) fluoranthene	2.57	0.0200	**	4.00		64.2	37.3-112			
Benzo (ghi) perylene	2.35	0.500	••	4.00		58.8	24.9-110			
Benzo (k) fluoranthene	2.57	0.100	***	4.00		64.2	27.9-110			•
Chrysene	2.80	0.0200	· #	4.00		70.0	37.4-117			
Dibenz (a,h) anthracene	1.95	0.100	**	4.00		48.8	22.4-110	•		
Fluoranthene	2.88	0.500		4.00		72.0	31.3-114			
Fluorene	2.83	0.500		4.00		70.8	27.3-110			
ndeno (1,2,3-cd) pyrene	2.44	0.200	,	4.00		61.0	31.7-110			. •
I-Methylnaphthalene	3.42	0.500	*1	4.00		85.5	20.1-118	• •		

Great Lakes Analytical-Oak Creek

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Indua Statha



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Project: Greenebaum Tannery

6980 N Teutonia Ave Milwaukee, WI 53209-2536 Project Number: 04013
Project Manager: DJ Burns

Reported: 04/27/04 14:02

Polynuclear Aromatic Hydrocarbons by EPA Method 8310 - Quality Control Great Lakes Analytical—Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040454 - EPA 3510C										
LCS (4040454-BS1)				Prepared:	04/20/04	Analyze	d: 04/23/04			
2-Methylnaphthalene	2.41	0.500	ug/l	4.00		60.2	25.7-110			
Naphthalene	2.29	0.500	**	4.00		57.2	16.4-114			
Phenanthrene	2.99	0.500	**	4.00		74.8	26.6-112			
Pyrene	2.80	0.500	ŧı	4.00		70.0	27.7-126			
Surrogate: Carbazole	1.45		"	4.00		36.2	18-132			
LCS Dup (4040454-BSD1)				Prepared:	04/20/04	Analyze	1: 04/23/04			
Acenaphthene	2.67	0.500	ug/l	4.00		66.8	25.3-110	11.9	40	
Acenaphthylene	3.18	0.500	*	4.00		79.5	20.7-110	5.16	40	
Anthracene	3.61	0.500	**	4.00		90.2	30.8-110	20.5	40	
Benz (a) anthracene	3.59	0.100	**	4.00		89.8	37.2-116	26.9	34	
Benzo (a) pyrene	3.90	0.0200	*1	4.00		97.5	14.1-118	28.4	36:1	
Benzo (b) fluoranthene	3.38	0.0200	**	4.00		84.5	37.3-112	27.2	35.4	
Benzo (ghi) perylene	3.04	0.500	Ħ	4.00		76.0	24.9-110	25.6	40	
Benzo (k) fluoranthene	2.88	0.100		4.00		72.0	27.9-110	11.4	30	
Chrysene	3.69	0.0200	"	4.00		92.2	37.4-117	27.4	33.1	
Dibenz (a,h) anthracene	2.52	0.100	**	4.00		63.0	22.4-110	25.5	40	
Fluoranthene	3.59	0.500	**	4.00		89.8	31.3-114	21.9	40	
Fluorene	3.21	0.500	**	4.00		80.2	27.3-110	12.6	40	
Indeno (1,2,3-cd) pyrene	3.22	0.200	Ħ	4.00		80.5	31.7-110	27.6	37.4	
1-Methylnaphthalene	3.39	0.500	**	4.00		84.8	20.1-118	0.881	40	
2-Methylnaphthalene	2.86	0.500	er i	4.00		71.5	25.7-110	17.1	40	
Naphthalene	2.72	0.500	**	4.00		68.0	16.4-114	17.2	40	
Phenanthrene	3.40	0.500	**	4.00		85.0	26.6-112	12.8	40	
Pyrene	3.38	0.500		4.00		84.5	27.7-126	18.8	35	
Surrogaie: Carbazole	1.79		"	4.00		44.8	18-132	-		

Great Lakes Analytical-Oak Creek

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Andrea Stathas, Project Manager .



Email: info@glalabs.com (414) 570-9460 FAX (414) 570-9461

Drake Environmental Inc.

Milwaukee, WI 53209-2536

Project: Greenebaum Tannery

6980 N Teutonia Ave

Project Number: 04013 Project Manager: DJ Burns

Reported: 04/27/04 14:02

Notes and Definitions

The recovery of this analyte in the check standard is above the method specified acceptance cri	pove the method specified acceptance criter	standard is above	rte in the check	The recovery of this analysis	G14
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The check standard that corresponds to this sample met the SW846 method requirements. However, it should be noted that the 010

recovery for this individual compound in the check standard was above 115%.

QC The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source

method acceptance criteria.

T10 Diesel Range

T11 Motor Oil Range

T15 Late Elevated Baseline

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

L This quality control measurement is below the laboratory established limit.

Н This quality control measurement is above the laboratory established limit.

Great Lakes Analytical-Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical-Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical-Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Oak Creek, WI NELAP Primary Accreditation: Illinois #100307

Note: For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP

standards unless specifically noted by way of a qualifier listed above.

Great Lakes Analytical-Oak Creek

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Andrea Stathas, Project Manager

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