THE SIGMA GROUP
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May 16, 2011

Project Reference #10813

Ms. Victoria Stovall
Program Assistant, WDNR
2300 N. Martin Luther King Drive
Milwaukee, WI 53212

RE: Site Investigation Report &
Remedial Action Plan
1027 N. Edison St.
Milwaukee, Wisconsin
BRRTS # 02-41-556655
FID # 341200530

Dear Ms. Stovall:

Enclosed is a document summarizing site investigation activities completed at and presenting a remedial action plan for the property located at 1027 N. Edison Street, Milwaukee, Wisconsin. A $750 check for the required review fee is also attached.

If you have any questions, please contact me at 414-643-4124.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

Stephen Meer, P.E.
Project Engineer

Attachments
cc: Ms. Karen Dettmer, P.E. – Redevelopment Authority of the City of Milwaukee

LETTER OF TRANSMITTAL

To: **Victoria Stovall**
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212-3128

From: **Stephen Meer, P.E.**
Sigma Environmental Services, Inc.
1300 W. Canal St.
Milwaukee, WI 53233

Date: May 16, 2011
Site Name: 1027 N. Edison St.
Address: 1027 N. Edison St.
Milwaukee, WI
FID# 341200530
BRRTS # 02-41-556655

Please check the type(s) of documents you have enclosed. Submittals will be tracked and filed based on the information you provide. **Include the FID *and* BRRTS numbers which have been assigned to this site, and identify the intent of the document(s) you are submitting in order to speed processing.** Please attach any required fees to this checklist.

IS THIS RELEASE PECFA-ELIGIBLE?
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Type of Submittal:
☐ LUST ☑ ERP ☐ VPLE ☐ OTHER

CHECK	TYPE OF DOCUMENT / REPORT	FEE	DNR CODE (office use only)
	Notification of Release	none	01
	Tank Closure/Site Assessment *where release(s) have been detected**	none	33
	Site Investigation Workplan	$500 if review is requested ~	35, 135~
	Site Investigation Report **Please Provide the Following Information**	$750 if review is requested ~	37, 137~ 96~ (if SI is incomplete)
	☐ petroleum constituents detected		
	☐ non-petroleum constituents detected		
	☐ groundwater impacts ☐ above PAL ☐ above ES		
	☐ free product		
	☐ contamination in fractured bedrock or within 1 meter of fractured bedrock		
	☐ PAL exceedance in potable well		
	☐ groundwater impacts >ES, within ☐ 100' of private well or ☐ 1,000' of public well		
	Request to Transfer Case to Department of Commerce	none	76
	Off-Site Determination Request	$500 mandatory	638~
x	Remedial Action Options Plan	$750 if review is requested	39, 143~
	NR 720.19 Site Specific Clean-Up Goal Proposed	$750 if review is requested	67, 68~
	NR 718 Landspreading Request	$500 mandatory	61~
	Copy of Notification to Treat or Dispose of Contamination Soil or Water	none	99
	Injection/Infiltration Request	$500 mandatory	63~
	Quarterly Report or Update	$500 if review is requested	43~
	O&M Form 4400-194	$300 if review is requested	92, 192~
	Remedial Action Options Report	$750 if review is requested	41, 41~
	Closure Review Request	$750 mandatory	79~
	☐ Closure Form (Mandatory For Review)		
	☐ GIS Registry groundwater greater >ES	$250 mandatory	700
	Request for No Further Action Letter, under ch. NR 708	$250 mandatory	68, 67~
	Copy of Draft Deed Affidavit, Well Abandonment Form Restriction	none	99
	Simple Site Process Submittal Under NR 700.11	none	90~
	Remedial Design Report	$750 if review is requested	147, 148~
	Construction Documentation Reports	$250 if review is requested	151, 152~
	Long Term Monitoring Plan	$300 if review is requested	24, 25~
	Voluntary Party Liability Exemption (VPLE) Application	$250 mandatory	662~
	VPLE Phase I/II Assessments or Additional Reports	Computed hourly	99
	Tax Cancellation Agreement	$500 mandatory	654~
	Negotiated Agreement	$1,000 mandatory	630~
	Lender Assessment	$500 mandatory	686~
	Negotiation and Cost Recovery (municipalities only) Fee for each service	mandatory	90~
	General Liability Clarification Request	$500 mandatory	684
	Lease Letter Request - Single Property	$500 mandatory	646
	Lease Letter Request - Multiple Properties	$1,000 mandatory	646
	Request for Other Technical Assistance	$500 mandatory	97~
	Other (please describe):		

* Closure reports for sites where no releases have been detected should be sent directly to "Clean Closures" c/o DNR Remediation & Redevelopment Program, P.O. Box 7921, Madison, WI 53707

Remarks:

56380

SIGMA ENVIRONMENTAL SERVICES, INC.
1300 WEST CANAL STREET
MILWAUKEE, WI 53233

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SIGMA ENVIRONMENTAL SERVICES, INC. 56380

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
RAP Review-10813	5/10/11	22257	750.00	0.00	0.00	750.00
Wisconsin DNR Marine 4 E250004		Totals	750.00	0.00	0.00	750.00

SITE INVESTIGATION REPORT &
REMEDIAL ACTION PLAN
1027 N. EDISON STREET
MILWAUKEE, WISCONSIN

BRRTS #02-41-556655
FID #341200530

PREPARED FOR:

REDEVELOPMENT AUTHORITY OF THE CITY OF MILWAUKEE
809 NORTH BROADWAY
MILWAUKEE, WISCONSIN 53202

PREPARED BY:

THE SIGMA GROUP
Single Source. Sound Solutions.
1300 WEST CANAL STREET
MILWAUKEE, WISCONSIN 53233
(414) 643-4200

PROJECT REFERENCE #10813

MAY 2011

Stephen Meer, P.E.
Project Engineer

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Senior Engineer

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Geosciences Group Manager

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CERTIFICATIONS

"I, Stephen R. Meer, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

WISCONSIN
STEPHEN R MEER
E-39390
MILWAUKEE WI
PROFESSIONAL ENGINEER

5/16/11

Signature
Project Engineer

Date and Stamp

"I, Randy E. Boness, hereby certify that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 10, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

WISCONSIN
RANDY E. BONESS
G-844
BROWN DEER, WI
PROFESSIONAL GEOLOGIST

5-16-11

Signature
Geosciences Group Leader

1. INTRODUCTION

Sigma Environmental Services, Inc. (Sigma) was retained by the Redevelopment Authority of the City of Milwaukee (RACM) to provide environmental site investigation services at the property located at 1027 North Edison Street, Milwaukee, Wisconsin (hereinafter the "site"). Sigma has prepared this Site Investigation Report (SI) & Remedial Action Plan (RAP) in general accordance with Wisconsin Administrative Code (WAC) Chapters NR 700 through NR 724 requirements. This SI & RAP includes background information about the project site, site investigation findings, remedial action objectives, and then presents the recommended remedial actions. Sigma and RACM are seeking the Wisconsin Department of Natural Resources' (WDNR's) review and approval of this SI & RAP.

An Application for an Exemption to Build on a Historic Fill Site associated with the proposed redevelopment has been submitted to the WDNR under a separate cover.

2. BACKGROUND INFORMATION

2.1 **Project Location.** The site is located in the northeast ¼ of the northeast ¼ of Section 29, Township 7 North, Range 22 East in the City of Milwaukee, Milwaukee County as shown in **Figure 1**. The site is located on the west side of N. Edison Street on the east edge of the Milwaukee River between Juneau Avenue to the north and State Street to the south. The site is approximately 19,985 square feet in size; however, only the southern half of the site is readily developable due to the presence of underground utilities (storm sewer easement) and existing public access for a pedestrian bridge (over the Milwaukee River) on the northern portion of the site (**Figure 1a**).

2.2 **Project Team.** The following parties involved in this project include:

Responsible Party:

Redevelopment Authority of the City of Milwaukee
809 North Broadway
Milwaukee, WI 53202
Telephone: (414) 286-5642
Contact: Ms. Karen Dettmer, P.E.

Environmental Consultant:

Sigma Environmental Services, Inc.
1300 West Canal Street
Milwaukee, WI 53233
Telephone: (414) 643-4200
Contact: Mr. Stephen Meer, P.E.

2.3 **Historical Operations.** The City of Milwaukee completed a Phase I Environmental Assessment of the site in July 2000; this Phase I report was again reviewed by the City and updated on July 12, 2007. As summarized in the report, the following

historic uses of the parcel raise concerns regarding the potential for site impact: a coal yard, a second-hand materials yard, and a snow dump. Past operations at adjacent properties include, but are not limited to, a coal yard, Edison Electric Illumination Co., fur cleaning and dyeing, auto garage/repair/painting, roofing company, junk shop, gas station, electrical contractor, printing company, City yard/trucking yard, wholesale salvage, cleaning supplies manufacturer, and a wax company.

2.4 **Current Property Conditions.** The site is currently bisected by the east end of a pedestrian walkway that spans the Milwaukee River. North of the pedestrian walkway, the site is grass-covered with the exception of a concrete slab over a sewer diversion structure. South of the pedestrian walkway, the site is a paved concrete lot. Based on the information obtained from site surveys completed to date, the elevation of the site slopes from approximately 589 feet MSL on the west to approximately 586 feet MSL on the east.

3. SITE INVESTIGATION ACTIVITIES

3.1 2008 Site Investigation Activities by Sigma.

Magnetometer Survey. To evaluate the potential presence of USTs at the 1027 N. Edison St. Street site, Sigma completed a magnetometer survey of the site using a cesium magnetic gradiometer. The gradiometer provides a relatively quick and easy way to accurately locate USTs at the depths which they are likely to be buried (less than 10 foot bgs).

Sigma completed east-west and north-south transects on a ten foot grid spacing over the two separate sections of the site. The grid size at the southern section of the site (south of the pedestrian walkway) was approximately 110 feet (ft) by 60 ft. The grid size at the northern section of the site (north of the pedestrian walkway) was approximately 110 ft by 20 ft. The information generated through the magnetometer survey was used to finalize the soil sampling plan.

Soil Boring/Temporary Well Installation. On February 25, 2008 six Geoprobe® soil borings were completed within the boundaries of the site. The Geoprobe® borings were advanced to a depth of between 16 to 20 feet bgs. The soil borings were strategically located around the site, four (GP-1 through GP-4) on the southern portion, and two (GP-5 and GP-6) on the northern portion. Soil boring locations are presented on **Figure 2**.

During boring advancement, soil samples were collected on a continuous basis and described on the basis of color, texture, grain size, and plasticity, and classified in accordance with the USCS. The soil classifications, sampling intervals, and descriptions are presented on the Soil Boring Logs in **Appendix A**.

Soil samples were collected from each sampling interval and containerized for headspace analysis using an organic vapor monitor (OVM) that was periodically calibrated for direct response to 250 ppm isobutylene in air. Field screening results are presented on Soil Boring Logs in **Appendix A**.

Soil samples were also collected from each sample interval, containerized and preserved (where necessary) for potential laboratory analysis of one or more of the following analytes: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), RCRA metals, polychlorinated biphenyls (PCBs), and chlorides. Select soil samples, accompanied by a chain-of-custody document, were submitted to a certified laboratory for analysis based on field screening results and observations.

Five of the Geoprobe® soil borings were completed as temporary groundwater monitoring wells (TW-1 through TW-5). The monitoring wells included a ten-foot length of one-inch diameter PVC screen (0.010 slot) connected to an appropriate length of PVC riser pipe.

The temporary wells were sampled on February 27 and 28, 2008. The groundwater samples collected from the wells were submitted under chain-of-custody documentation to a certified laboratory for VOCs, SVOCs, dissolved RCRA metals, PCBs, and chloride analysis.

The soil boring that was not converted to a temporary monitoring well was abandoned upon completion. The borehole abandonment form is included in **Appendix B**.

Additional Soil Boring Installation. Based on results of the initial site investigation activities and proposed site redevelopment plans, additional site investigation activities were completed to further evaluate the degree and extent of identified subsurface impacts.

On May 21, 2008 three Geoprobe® soil borings (F GP-1 through FGP-3) were completed within the the area of the site that will require subsurface excavation. The Geoprobe® borings were advanced to a depth of approximately 12 feet bgs. The soil borings were spaced evenly from east to west across the site. Soil boring locations are presented on **Figure 2**.

During boring advancement, soil samples were collected on a continuous basis and described on the basis of color, texture, grain size, and plasticity, and classified in accordance with the USCS. The soil classifications, sampling intervals, and descriptions are presented on the Soil Boring Logs in **Appendix A**.

Soil samples were collected from each sampling interval and containerized for headspace analysis using an organic vapor monitor (OVM) that was periodically calibrated for direct response to 250 ppm isobutylene in air. Field screening results are presented on Soil Boring Logs in **Appendix A**.

Two soil samples from each boring (one soil sample collected from within the fill material and one soil sample collected from native material beneath the fill) were collected and submitted for laboratory analysis of PAHs and lead. A composite soil sample from the three soil borings was also submitted for laboratory analysis of semi-volatile organic compounds (SVOCs), TCLP lead, reactive cyanide, reactive sulfide, flash point, pH, and free liquids.

The soil borings were abandoned upon completion. The borehole abandonment forms are included in **Appendix B.**

Methane Monitoring. Sigma completed methane monitoring at the existing temporary groundwater monitoring wells (TW-1 through TW-4) using a LandTec Infrared Gas Analyzer. Methane monitoring was not completed at the location of temporary monitoring well TW-5 as the PVC casing had been removed from this well (TW-5 was subsequently abandoned with bentonite chips). The monitoring included five days of closed vapor point monitoring followed by five days of open vapor point monitoring to evaluate the potential for subsurface materials to generate methane.

3.2 Site Investigation Results.

Site Geology. Based on information obtained during Sigma's subsurface investigation, the site appears to be covered with eight to twelve feet of fill comprised of soft sandy silts and silty sands containing gravel along with various amounts of brick and wood debris and traces of glass and cinders. The lithology beneath the fill material generally consists of deposits of saturated fine sandy and clayey silts and silty clays to the maximum depth investigated (20 feet bgs). The specific soil characteristics and depths encountered during drilling activities are shown on the soil boring logs in **Appendix A.**

Site Hydrogeology. During groundwater sampling activities from the temporary wells good water recovery was noted, in general, and depths to groundwater ranged from 9 to 13 feet bgs. Based on the static groundwater elevations groundwater is interpreted to flow to the northeast. It is important to note that although the groundwater elevation data has been reviewed the water levels were collected from temporary wells and these results may not be representative of actual groundwater conditions. Groundwater elevations are presented in **Table 1**. A groundwater elevation map is included as **Figure 3**.

Soil Analytical Results. A total of eighteen soil samples collected at the site were submitted for laboratory analysis of one or more of the following parameters: VOCs, SVOCs, PAHs RCRA metals, PCBs, and chloride.

VOCs Discussion: Review of the soil analytical results indicate that naphthalene was reported at concentrations greater than laboratory method detection limits in the soil samples collected from boring GP-1 at depths between 2 to 4 and 6 to 8 feet below ground surface (bgs) and from boring GP-3 at depths between 2 to 4 feet bgs. Toluene was reported at a concentration greater than the laboratory method detection limit in the soil sample collected from soil boring GP-1 at depths between 6 to 8 feet bgs. The reported naphthalene and toluene concentrations did not exceed applicable Ch. NR 720 Generic Residual Contaminant Levels (RCLs) for the protection of groundwater. No other VOCs were reported at concentrations greater than laboratory method detection limits.

SVOCs/PAHs Discussion: The shallower soil sample of the two soil samples collected from each soil boring was submitted for laboratory analysis of SVOCs (which include all PAH compounds) while the deeper sample was submitted for

laboratory analysis of PAHs. Only one non-PAH SVOC constituent was reported at a concentration greater than laboratory method detection limits: carbazole in the soil sample collected between 2 to 4 feet bgs in soil boring GP-1. The reported carbazole concentration was well below the EPA Region IX Preliminary Remediation Goal (PRG) for soil at a non-industrial site.

Detectable concentrations of one or more PAH constituents were measured in soil samples collected from soil borings GP-1 (2 to 4 and 6 to 8 feet bgs), GP-3 (2 to 4 and 6 to 8 feet bgs), GP-4 (4 to 8 feet bgs), GP-5 (6 to 8 feet bgs), GP-6 (6 to 8 feet bgs), FGP-1 (4 to 8 feet bgs and 8 to 12 feet bgs), FGP-2 (0 to 4 feet bgs and 8 to 12 feet bgs), and FGP-3 (0 to 4 feet bgs and 8 to 12 feet bgs). Applying the WDNR Interim PAH Generic RCLs for both the protection of groundwater standards and the non-industrial direct contact pathway standards show that there are up to seven PAH compounds that exceed protection of groundwater standards or the non-industrial direct contact pathway standards when a target risk factor of 1×10^{-6} is used (per s.NR 720.19(5)(a)) to calculate the direct contact RCLs:

- The soil samples collected between 6 to 8 feet bgs in soil boring GP-1, 4 to 8 feet bgs in soil boring GP-4, 6 to 8 feet bgs in soil boring GP-6, and 0 to 4 feet bgs in soil boring FGP-3 contained reported concentrations of benzo(a) anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene greater than the Interim Guidance RCLs for the direct contact pathway at a non-industrial site and reported concentrations of naphthalene and phenanthrene greater than the Interim Guidance RCLs for protection of groundwater.

- The soil sample collected between 6 to 8 feet bgs in soil boring GP-5 contained reported concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, and indeno(1,2,3-cd)pyrene greater than the Interim Guidance RCLs for the direct contact pathway at a non-industrial site and a reported concentration of phenanthrene greater than the Interim Guidance RCL for protection of groundwater.

- The soil sample collected between 0 to 4 feet bgs in soil boring FGP-2 contained reported concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene greater than the Interim Guidance RCLs for the direct contact pathway at a non-industrial site and a reported concentration of phenanthrene greater than the Interim Guidance RCL for the protection of groundwater.

- The soil sample collected between 6 to 8 feet bgs in soil boring GP-3 contained reported concentrations of benzo(a)anthracene and benzo(a)pyrene greater than the Interim Guidance RCLs for the direct contact pathway at a non-industrial site.

- The soil samples collected between 4 to 8 feet bgs in soil boring FGP-1 and 8 to 12 feet bgs in soil boring FGP-3 contained reported concentrations of

benzo(a)pyrene greater than the Interim Guidance RCLs for the direct contact pathway at a non-industrial site.

All other detected PAH concentrations were below applicable standards.

RCRA Metals: Concentrations of arsenic were reported greater than the Ch. NR 720 RCL for direct contact at a non-industrial site but are typical of background concentrations at sites in southeastern Wisconsin.

Concentrations of lead greater than the Ch. NR 720 RCL for direct contact at a non-industrial site were reported in soil samples collected from boring GP-1 (2 to 4 feet bgs and 6 to 8 feet bgs), GP-2 (2 to 4 feet bgs), GP-3 (2 to 4 feet and 6 to 8 feet bgs), GP-4 (4 to 8 feet bgs), GP-5 (6 to 8 feet bgs), GP-6 (0 to 2 and 6 to 8 feet bgs), FGP-1 (4 to 8 feet bgs), FGP-2 (0 to 4 feet bgs), and FGP-3 (0 to 4 and 8 to 12 feet bgs).

No other RCRA Metal concentrations were reported greater than applicable standards.

PCBs: PCBs were not reported at concentrations greater than laboratory method detection limits in soil samples collected from the site.

Chloride: The reported concentrations of chloride in the soil samples collected from the soil borings completed at the site ranged between 58 to 200 mg/kg.

Sigma's soil laboratory analytical results for the site are summarized in **Table 2**. Copies of the soil laboratory analytical reports are included in **Appendix C**. A soil quality map is included as **Figure 4**.

Groundwater Analytical Results. Groundwater samples from the five temporary monitoring wells (TW-1 through TW-5) were submitted for laboratory analysis of the following parameters: VOCs, SVOCs, dissolved RCRA metals, PCBs, and chloride. It is important to note that although the groundwater quality data has been reviewed and compared to regulatory standards, the groundwater samples were collected from temporary wells and these results may not be representative of actual groundwater conditions.

VOCs: Review of the laboratory analytical results indicate that select VOC constituents including ethylbenzene, naphthalene, toluene, trimethylbenzenes, and xylenes were reported greater than laboratory method detection limits in groundwater samples collected from temporary monitoring wells TW-1, TW-2, and TW-5. No VOC constituents were reported at concentrations greater than Ch. NR 140 Preventive Action Limits (PALs).

SVOCs: Review of Sigma's groundwater quality results indicates that pyridine was reported at a concentration greater than the Ch. NR 140 PAL in the groundwater sample collected from temporary well TW-1. The groundwater sample collected from temporary well TW-5 contained a reported concentration of chrysene that was greater than the Ch. NR 140 Enforcement Standard (ES). The pyridine and chrysene concentrations were flagged by the analytical laboratory as between the Limit of

Detection and Limit of Quantitation. No other SVOC constituents were reported at concentrations greater than applicable Ch. NR 140 PALs.

Dissolved RCRA Metals: Concentrations of dissolved arsenic were reported at concentrations greater than the Ch. NR 140 PAL in the groundwater samples collected from temporary wells TW-1, TW-2, TW-4 and TW-5. In addition, the groundwater sample collected from temporary well TW-2 contained chromium at a concentration greater than the Ch. NR 140 PAL. No other reported concentrations of dissolved RCRA metals were greater than Ch. NR 140 PALs.

PCBs: PCBs were not reported at concentrations greater than laboratory method detection limits in the groundwater samples collected from temporary monitoring wells installed at the site.

Chloride: Concentrations of chloride were reported greater than the Ch. NR 140 ES in the groundwater sample collected from temporary well TW-2 and greater than the Ch. NR 140 PAL in the groundwater sample collected from temporary wells TW-1, TW-3.

Groundwater analytical data are summarized in **Table 3**. Copies of the groundwater laboratory analytical reports are included in **Appendix D**. A groundwater quality map is included as **Figure 5**.

Soil Gas Monitoring Results. Review of methane monitoring results indicate that a negligible amount (0.1%) or no methane was present at temporary monitoring well locations TW-1, TW-3, and TW-4 during all closed cap and open cap methane monitoring events. Methane was detected at temporary well TW-2 at concentrations between 3.8% and 6.0% during closed cap monitoring and at concentrations between 0.5% and 16.4% during open cap monitoring.

Methane monitoring results are summarized in **Table 4**. Proposed site redevelopment activities do not include the construction of any enclosed spaces or structures; therefore, potential methane accumulation will not be a concern.

3.3 Site Investigation Results Discussion. Results of completed site investigation activities are summarized as follows:

- Subsurface lithology at the site consists of eight to twelve feet of fill comprised of soft sandy silts and silty sands containing gravel along with amounts of brick and wood debris and traces of glass and cinders. The lithology beneath the fill material generally consists of deposits of saturated fine sandy and clayey silts and silty clays to the maximum depth investigated (20 feet bgs).

- Shallow groundwater flow beneath the site is located between 9 and 13 feet bgs and interpreted to be towards the northeast; however, these data are qualified since only one round of static water levels was obtained from 1-inch diameter temporary groundwater monitoring wells installed at the site.

- No VOC constituents were reported at concentrations greater than ch NR

720 RCLs for the protection of groundwater pathway within the soil samples collected from soil borings completed at the site.

- One or more PAH constituents were reported at concentrations greater than the generic RCL for direct contact at a non-industrial site within soil samples collected from borings GP-1, GP-3, GP-4, GP-5, GP-6, FGP-1, FGP-2, and FGP-3. Concentrations of naphthalene greater than the generic RCL for groundwater protection were also reported within soil samples collected from borings GP-1, GP-4, GP-6 and FGP-3; phenanthrene was also reported at a concentration greater than the protection of groundwater RCL within soil samples collected from GP-1, GP-4, GP-5, GP-6, FGP-2, and FGP-3.

- Arsenic was reported at concentrations greater than the generic RCL for direct contact at non-industrial site within all soil samples submitted for laboratory analysis by STS, however, the reported arsenic concentrations were within the background range typically encountered at urban sites in southeastern Wisconsin.

- Concentrations of lead greater than the non-industrial direct contact RCL were reported within soil samples collected from each soil borings completed at the site.

- Groundwater samples collected from the site in 1990 and grab groundwater samples collected from Sigma's temporary groundwater monitoring wells did not contain concentrations of VOCs greater than ch. NR 140 PALs.

- Pyridine was reported at a concentration greater than the Ch. NR 140 PAL in the groundwater sample collected from temporary well TW-1. The groundwater sample collected from temporary well TW-5 contained a reported concentration of chrysene that was greater than the Ch. NR 140 ES. The pyridine and chrysene concentrations were flagged by the analytical laboratory as between the Limit of Detection and Limit of Quantitation. No other SVOC constituents were reported at concentrations greater than applicable Ch. NR 140 PALs.

- Concentrations of dissolved arsenic were reported at concentrations greater than the Ch. NR 140 PAL in the groundwater samples collected from temporary wells TW-1, TW-2, TW-4 and TW-5. In addition, the groundwater sample collected from temporary well TW-2 contained chromium at a concentration greater than the Ch. NR 140 PAL. No other reported concentrations of dissolved RCRA metals were greater than Ch. NR 140 PALs.

- Concentrations of chloride were reported greater than the Ch. NR 140 ES in the groundwater sample collected from temporary well TW-2 and greater than the Ch. NR 140 PAL in the groundwater sample collected from temporary wells TW-1, TW-3.

Based on the presence, nature, and extent of fill material observed at the site and the nature of the subsurface impacts, the identified impacts appear to be associated with fill material present at the site and not with a specific "release". Nevertheless, a release has been reported for the subject site in order to enter the ch NR 700-726 tracking process and achieve closure under ch NR 726 for identified impacts at the site.

PAH and lead concentrations greater than RCLs for the residential direct contact pathway appear to be widespread across the site and also associated with fill material. In general, soil samples collected from the native material below the fill material observed in each boring (GP-2 10 to 12 feet bgs, FGP-1 8 to 12 feet bgs, FGP-2 8 top 12 feet bgs, and FGP-3 8 to 12 feet bgs) did not contain reported concentrations of PAH constituents or lead greater than applicable RCLs, with the exception of the sample collected from soil boring FGP-3 at a depth of 8 to 12 feet bgs. The soil sample collected from soil boring FGP-3 at a depth of 8 to 12 feet bgs contained concentrations of benzo(a)pyrene and lead that exceeded RCLs for the direct contact pathway at a non-industrial site. It is possible that the impacts associated with the fill material have impacted native material underlying the fill material at this location.

Although the fill material also contains concentrations of naphthalene and phenanthrene greater than the RCL for the protection of groundwater, groundwater at the site did not contain concentrations of naphthalene or phenanthrene greater than Ch. NR 140 PALs.

Residual impacts to groundwater beneath the site appear to be limited to chloride at concentrations greater than the Ch. NR 140 ES in temporary well TW-2 and greater than the Ch. NR 140 PAL in temporary wells TW-1 and TW-3, chrysene at a concentration greater than the Ch. NR 140 ES in temporary well TW-5, pyridine at a concentration greater than the Ch. NR 140 PAL in temporary well TW-1, dissolved chromium at a concentration greater than the Ch. NR 140 PAL in temporary well TW-2, and dissolved arsenic at concentrations greater than the Ch. NR 140 PAL in temporary wells TW-1, TW-2, TW-4, and TW-5. As noted above, although the groundwater quality data has been reviewed and compared to regulatory standards, the groundwater samples were collected from temporary wells and these results may not be representative of actual groundwater conditions.

Although elevated concentrations of methane were observed during monitoring activities completed at temporary well TW-2, the proposed redevelopment activities do not include the construction of enclosed spaces or structures where methane could potentially accumulate.

The risk posed by identified concentrations of pyridine greater than the Ch. NR 140 PAL and chloride and chrysene greater than Ch. NR 140 ESs is low. No potable wells are located in the vicinity of the site and the City of Milwaukee supplies residents with treated water originating in Lake Michigan. In addition, based on the level of the identified impacts and the existing sheet pile wall along the west side of the site, the potential risk to the environment associated with discharge of contaminated groundwater to the adjacent Milwaukee River is limited.

Therefore, the primary risk to human health and the environment at the site is the direct contact risk associated with PAH and lead impacts associated with fill material at the site.

4. REMEDIAL ACTION PLAN

4.1 **Remedial Action Objectives.** The remedial action objectives associated with the site include the following:

- Prevent exposure by human receptors to residual fill/soil impacts in the shallow subsurface. The direct contact exposure route includes dermal contact, ingestion, and/or inhalation of vapors.

- Limit the potential for identified residual soil impacts to negatively impact shallow groundwater beneath the site.

4.2 **Proposed Redevelopment Plan.** The City of Milwaukee is currently planning to redevelop the portion of the site south of the pedestrian walkway as green-space. The proposed site plan is included as **Appendix E**.

Due to the presence of fill material identified at the site, an Application for Exemption to Build on a Historic Fill Site, along with supporting information, has been submitted to the WDNR under separate cover.

Soil Remediation Actions. Residual PAH, lead and arsenic impacts greater than direct contact and/or protection of groundwater RCLs have been identified in the shallow fill material/soils beneath portions of the site.

As part of the proposed site redevelopment, existing concrete pavement from the southern portion of the site that currently serves as a barrier to prevent direct contact with identified contaminated fill will be removed. In addition, existing material that will be located within the top 4 feet of the proposed ground surface elevation will be excavated and hauled off-site for disposal. Clean fill will be imported to replace the excavated material and bring the site to the required ground surface elevation.

Following excavation of contaminated material from the southern portion of the site and placement of clean fill, landscaped vegetation and other features will be installed. The proposed activities will remove material containing concentrations of PAHs, lead and arsenic greater than applicable RCLs from within 4 feet of the ground surface. The potential direct contact risk associated with remaining fill/soil containing concentrations of PAHs and lead greater than applicable RCLs will be limited by the depth of the remaining impacted fill/soil, greater than 4 feet bgs.

Within the northern portion of the site no VOC or PAH concentrations greater than applicable RCLs were identified within fill/soil samples collected within 4 feet of the existing ground surface. The concentration of lead reported within the soil sample collected from soil boring GP-6 (130 mg/kg within the sample from 0 to 2 feet bgs)

exceeds the ch. NR 720 generic RCL for the direct contact pathway at a non-industrial site. However, as described in WDNR publication PUB-RR-653 *Commonly Asked Questions about the Lead (Pb) Soil Standards in Wisconsin*, the ch. NR 720 standard includes a factor of safety and that if lead is the only contaminant of concern, then an RCL of 250 mg/kg is applicable for residential sites. Since lead was the only contaminant detected at concentrations greater than applicable RCLs within shallow fill/soil samples from the northern portion of the site, the 250 mg/kg RCL is applicable and therefore, the reported lead concentrations do not exceed the RCL for direct contact. Based on this analysis, an engineered barrier to prevent direct contact is not required for the northern portion of the site.

4.3 **Institutional Controls.** Residual fill/soil impacts above ch. NR 720 RCLs and groundwater impacts above ch. NR 140 ESs may remain beneath the site following completion of the proposed remedial excavation activities at the time case closure is requested from the WDNR. Therefore, the property may be listed in the WDNR's Geographic Information System (GIS) Registry for sites with residual soil and groundwater impacts at the time of case closure.

4.4 **Reporting.** Following completion of the proposed remedial excavation activities as described above, a request for case closure will be made to the WDNR. The case closure report will document the remediation/redevelopment activities completed at the site and will include the required institutional control documents.

5. RECOMMENDATIONS

Sigma recommends that the completed site investigation activities and recommended remediation activities be approved by the WDNR as presented in this SI & RAP. The proposed remedial excavation activities in the southern portion of the site will remove contamination greater than direct contact RCLs from within 4 feet of the existing ground surface. Although concentrations of chloride and chrysene greater than Ch. NR 140 ESs have been reported within groundwater samples collected from temporary groundwater monitoring wells installed at the site, the risk associated with the identified shallow groundwater impact is minimal and no further action with respect to groundwater is warranted. Sigma and RACM respectfully request the WDNR provide a written approval of the site investigation report as complete and provide written approval of the recommended remedial approach presented in this RAP.

TABLES

Table 1
Groundwater Elevation Data
1027 N. Edison St.
City of Milwaukee, Milwaukee Wisconsin
Sigma Project #10813

Well Identification	Ground Surface Elevation (feet site)	Top of Casing Elevation (feet site)	Screen Interval (feet bgs)	Depth to Groundwater (feet toc)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet site)	Date
TW-1	97.49	98.74 Stick-Up	5-15	11.47	10.22	87.27	02/27/2008
TW-2	100.2	101.52 Stick-Up	7-17	14.46	13.14	87.06	02/27/2008
TW-3	97.39	99.12 Stick-Up	6-16	11.84	9.79	88.26	02/27/2008
TW-4	100.7	102.27 Stick-Up	7-17	14.80	12.75	85.30	02/27/2008
TW-5	98.05	100.10 Stick-Up	6-16	11.48	9.43	88.62	02/27/2008

Notes:
MSL = mean sea level
feet toc = feet below top of casing
feet bgs = feet below ground surface

Table 2
Soil Quality Results
1027 N. Edison St., Milwaukee, Wisconsin
Sigma Project No. 10813

Soil Sample Location:		GP-1/TW-1		GP-2		GP-3/TW-2		GP-4/TW-3		GP-5/TW-4		GP-6/TW-5		FGP-1		FGP-2		FGP-3		GW RCLs [4]	DC RCLs for Non-Industrial Soil [5]	PRG for Residential Soil [6]	SSL [7]
Sample Depth (feet bgs):		2 - 4	6-8	2-4	10-12	2 - 4	6 - 8	0-2	4-8	2-4	6-8	0-2	6-8	4-8	8-12	0-4	8-12	0-4	8-12				
Date:		02/25/08		02/25/08		02/25/08		02/25/08		02/25/08		02/25/08		05/21/08		05/21/08		05/21/08					
Organic Vapor Monitor	ppm	0.0	0.0	0.3	1.8	0.9	0	1.5	2.2	0.3	0.3	0.6	0.3	0	0	0	0	0	0	NS	NS	NS	NS
PVOCs & Detected VOCs																							
Benzene	µg/kg	<30	<31	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	5.5	8,500 / 1,100	640	30
Ethylbenzene	µg/kg	<30	<31	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	2,900	4,600 / NS	400,000	13,000
Methyl-tert-butyl-ether	µg/kg	<30	<31	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	NS	NS	32,000	NS
Toluene	µg/kg	<30	68	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	1,500	38,000 / NS	520,000	12,000
1,2,4-Trimethylbenzene	µg/kg	<30	<31	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	NS	83,000 / NS	52,000	NS
1,3,5-Trimethylbenzene	µg/kg	<30	<31	<30	<32	<31	<38	<29	<33	<28	<31	<30	<29	NA	NA	NA	NA	NA	NA	NS	11,000 / NS	21,000	NS
Xylenes (total)	µg/kg	<100	<110	<100	<110	<110	<130	<97	<110	<94	<110	<100	<98	NA	NA	NA	NA	NA	NA	4,100	42,000 / NS	270,000	210,000
Naphthalene	µg/kg	130	67	<59	<64	75	<75	<57	<65	<55	<62	<61	<58	NA	NA	NA	NA	NA	NA	NS	2,700 / NS	56,000	84,000
PAHs & Detected SVOCs																							
Acenaphthene	µg/kg	2.88	2500	<1.96	<64	<2.05	<940	<0.377	1200	<1.83	<7800	<2.01	880	75	<13	270	<13	1150	96	38,000	9,000,000	---	---
Acenaphthylene	µg/kg	<2.01	<1600	<1.96	<110	<2.05	<1600	<0.377	<1400	<1.83	<13000	<2.01	<1200	41 J	<14	<14	<14	390	37 J	700	180,000	---	---
Anthracene	µg/kg	6.37	3300	<1.96	<6.4	6.79	360	<0.377	2300	<1.83	3400	<2.01	2800	267	9 J	710	<8.8	3,400	293	3,000,000	50,000,000	---	---
Benzo(a)anthracene	µg/kg	16.4	5800	<1.96	<6.4	22.2	1000	<0.377	4200	<1.83	5400	<2.01	5400	470	10.7 J	[990]	10.3 J	[6,900]	500	17,000	880	---	---
Benzo(a)pyrene	µg/kg	15.9	5200	<1.96	<6.4	21.7	1100	<0.377	3900	<1.83	5000	<2.01	3600	430	<7.7	[990]	<7.7	[6,100]	500	48,000	88.0	---	---
Benzo(b)fluoranthene	µg/kg	12.3	4200	<1.96	<6.4	17.4	700	<0.377	2900	<1.83	3200	<2.01	2800	530	<11	[1,000]	<11	[6,800]	540	360,000	880	---	---
Benzo(ghi)perylene	µg/kg	10.1	3000	<1.96	<6.4	11.4	510	<0.377	1900	<1.83	2600	<2.01	1900	255	<12	560	<12	3,400	262	6,800,000	18,000	---	---
Benzo(k)fluoranthene	µg/kg	12.7	2600	<1.96	<6.4	17.8	480	<0.377	1800	<1.83	2100	<2.01	1600	164	<11	320	<11	2,360	173	870,000	8,800	---	---
Chrysene	µg/kg	17.6	4000	<1.96	<6.4	23.2	160	<0.377	2900	<1.83	4300	<2.01	3200	430	7.5 J	950	6.9 J	5,300	470	37,000	88,000	---	---
Dibenzo(a,h)anthracene	µg/kg	3.22	650	<1.96	<9.6	4.27	<140	<0.377	450	<1.83	<1200	<2.01	380	56	<9.7	[137]	<9.7	[860]	79	38,000	88.0	---	---
Fluoranthene	µg/kg	41.8	16000	<1.96	<13	53.1	2200	<0.377	11000	<1.83	17000	<2.01	12,000	1,070	12.4 J	2,310	12.7 J	16,000	1,150	500,000	6,000,000	---	---
Fluorene	µg/kg	2.96	1600	<1.96	<13	2.15	<190	<0.377	1000	<1.83	1900	<2.01	1400	144	18.6 J	263	<12	1,340	112	100,000	6,000,000	---	---
Indeno(1,2,3-cd)pyrene	µg/kg	8.92	3300	<1.96	<6.4	10.9	690	<0.377	2300	<1.83	3200	<2.01	2300	207	<9.9	440	<9.9	[2,950]	234	680,000	880	---	---
1-Methylnaphthalene	µg/kg	<2.01	1200	<1.96	<38	<2.05	<560	<0.377	770	<1.83	<4700	<2.01	1100	59	<12	85	<12	360	29.5 J	23,000	11,000,000	---	---
2-Methylnaphthalene	µg/kg	<2.01	8400	<1.96	<32	<2.05	770	<0.377	5000	<1.83	6500	<2.01	6500	74	<9.4	59	<9.4	298	28.8 J	20,000	6,000,000	---	---
Naphthalene	µg/kg	2.88	870	<1.96	<32	<2.05	<560	<0.377	770	<1.83	<4700	<2.01	1500	207	<12	53	<12	580	45	400	200,000	---	---
Phenanthrene	µg/kg	22.8	12000	<1.96	<6.4	28.4	940	<0.377	8100	<1.83	17000	<2.01	10000	810	19.2 J	2,330	<9.4	10,400	730	1,800	180,000	---	---
Pyrene	µg/kg	27.0	9000	<1.96	<6.4	41	2000	<0.377	5900	<1.83	17000	<2.01	10,000	940	10.2 J	2,450	<9.9	14,400	960	8,700,000	5,000,000	---	---
Carbazole	µg/kg	2.23	NA	<1.96	NA	<2.05	NA	<0.377	NA	<1.83	NA	<2.01	NA	NA	NA	NA	NA	NA	NA	NS	NS	18,000,000	NS
Metals																							
Arsenic	mg/kg	[13]	10	[16]	3.2	[9.6]	8.7	[2.8]	9.3	[5.7]	17	[8.6]	6.3	NA	NA	NA	NA	NA	NA	---	0.039	0.39	29
Barium	mg/kg	200	280	100	47	120	110	54	120	30	58	69	61	NA	NA	NA	NA	NA	NA	---	NS	5,400	1,600
Cadmium	mg/kg	0.72	0.92	0.63	<0.13	0.84	0.48	<0.11	0.40	0.12	0.93	0.49	<0.12	NA	NA	NA	NA	NA	NA	---	8	37	8
Chromium	mg/kg	13	26	8.8	4.8	10	5.5	12	9.9	7.6	4.3	12	8.5	NA	NA	NA	NA	NA	NA	---	NS	210	38
Lead	mg/kg	[850]	1700	[140]	5.2	[530]	320	17	420	37	68	[130]	430	166	3.08 J	[118]	4.43 J	[756]	477	---	50	400	NS
Mercury	mg/kg	37	1.5	0.32	<0.013	0.42	0.72	0.13	0.17	0.22	0.18	0.14	0.27	NA	NA	NA	NA	NA	NA	---	NS	23	NS
Selenium	mg/kg	<4.9	<5.0	<4.8	<5.1	<5.0	<6.0	<4.6	<5.2	<4.4	<5.0	<4.9	<4.6	NA	NA	NA	NA	NA	NA	---	NS	390	5
Silver	mg/kg	0.36	0.53	<0.13	0.34	0.31	0.38	0.31	0.42	0.2	<0.14	<0.13	<0.13	NA	NA	NA	NA	NA	NA	---	NS	390	34
PCBs	mg/kg	<0.0609	<1.26	<0.0594	<0.0637	<0.0623	<0.0751	<0.0571	<1.30	<0.0555	<0.0620	<0.0608	<0.0578	NA	NA	NA	NA	NA	NA	---	---	0.22	---
Chloride	mg/kg	58	70	66	69	63	77	200	140	83	91	61	64	NA	NA	NA	NA	NA	NA	---	---	---	---

Notes:
1. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
2. mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. NA = not analyzed
4. GW RCLs = Groundwater Residual Contaminant Levels based on the following:
   For petroleum hydrocarbons, GW RCLs based on Wisconsin Administrative Code, Chapter NR 720.09 generic Residual Contaminant Level for protection of groundwater.

   For PAHs, GW RCLs based on interim guidance RCL for protection of groundwater pathway from PAH compounds, from WDNR publication RR-519-97 *"Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance"* (April 1997)
5. DC RCLs for Non-Industrial Soil = Direct Contact Residual Contaminant Levels based on the following:

   For petroleum hydrocarbons, DC RCLs based on Wisconsin Administrative Code, Chapter NR 746.06 Table 1 ("Indicators of Residual Petroleum Product in Soil Pores") soil screening levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") concentrations.
   For PAHs, DC RCLs based on interim guidance RCL for protection of direct contact with PAH compounds for non-industrial land use, from WDNR publication RR-519-97 *"Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance"* (April 1997), target risk of 1×10^{-6} used per NR 720.19(5)(a).
   For metals, DC RCLs based on Wisconsin Administrative Code, Chapter NR 720.11 generic Residual Contaminant Level for protection of direct contact for non-industrial land use
6. PRG for Residential Soil = US EPA Region IX Preliminary Remediation Goal for residential soil (Otober 2004) to use as a guideline to evaluate the direct contact exposure pathway
7. SSL = US EPA Region IX Soil Screening Level for protection of groundwater with a dilution-attenuation factor of 20 (October 2004) - provided as a guideline to evaluate soil
8. --- = PRG and SSL not provided for PAHs because complete list of WDNR interim guidance standards exists for the PAH compounds
9. NS = no standard established
10. Laboratory flags: "J" = Analyte detected between Limit of Dection and Limit of Quantitation
11. Exceedances: box = Concentration exceeds GW RCL
    [brackets] = Concentration exceeds DC RCL for Non-Industrial Soil (note that soil is located within 4 feet of the ground surface)
    underline = Concentration exceeds DC RCL for Non-Industrial Soil (note that soil is located deeper than 4 feet of the ground surface)
    * Exceedances for PRGs and SSLs are not identified in this table, as these values are intended only as a preliminary screening tool at this time.

Table 3
Groundwater Quality Results – 1027 N. Edison Street Site
Milwaukee, Wisconsin
Sigma Project No. 10813

Well ID:		TW-1	TW-2	TW-3	TW-4	TW-5	NR 140	NR 140
Analytes	Date	02/29/08	02/29/08	02/29/08	02/29/08	02/29/08	**ES**	**PAL**
RCRA Metals - Soluble								
Arsenic	µg/L	**1.2**	**1.6**	0.34	**3.0**	**4.7**	10	1
Barium	µg/L	69	140	120	89	98	2,000	400
Cadmium	µg/L	0.05	0.02 J	<0.010	0.02 J	0.04	5	0.5
Chromium	µg/L	3.6	**20**	9.3	3.2	6.5	100	10
Lead	µg/L	0.24	0.42	0.04 J	0.08 J	0.36	15	1.5
Mercury	µg/L	0.086 J	0.089 J	0.082 J	0.082 J	0.078 J	2	0.2
Selenium	µg/L	0.85	1.5	1.1	4.3	7.8	50	10
Silver	µg/L	0.03 J	0.10 J	<0.02	0.02 J	0.02 J	50	10
PVOCs/Detected VOCs								
Benzene	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	5	0.5
sec-Butylbenzene	µg/L	0.46 J	<0.25	<0.25	<0.25	<0.25	NS	NS
n-Butylbenzene	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	NS	NS
1,2-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	5	0.5
Ethylbenzene	µg/L	1.6 J	<0.50	<0.50	<0.50	<0.50	700	140
Isopropylbenzene	µg/L	0.49 J	<0.20	<0.20	<0.20	<0.20	NS	NS
p-Isopropyltoluene	µg/L	0.42 J	<0.20	<0.20	<0.20	<0.20	NS	NS
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	60	12
Naphthalene	µg/L	9.2	0.35 J	<0.25	<0.25	0.72 J	100	10
n-Propylbenzene	µg/L	0.85 J	<0.50	<0.50	<0.50	<0.50	NS	NS
Toluene	µg/L	1.9	<0.20	<0.20	<0.20	<0.20	1,000	200
1,2,4-Trimethylbenzene	µg/L	9	<0.20	<0.20	<0.20	<0.20	NS	NS
1,3,5-Trimethylbenzene	µg/L	1.7	<0.20	<0.20	<0.20	<0.20	NS	NS
Total Trimethylbenzene	µg/L	10.7	<0.40	<0.40	<0.40	<0.40	480	96
Xylenes, Total	µg/L	9.5	<0.50	<0.50	<0.50	<0.50	10,000	1,000
PAHs								
Acenaphthene	µg/L	<1.89	<2.10	<1.89	<1.89	<2.12	NS	NS
Acenaphthylene	µg/L	<1.41	<1.57	<1.41	<1.41	<1.58	NS	NS
Anthracene	µg/L	1.70 J	<1.28	<1.15	<1.15	<1.29	3000	600
Benz(a)anthracene	µg/L	<1.1	<1.22	<1.10	<1.10	1.49 J	NS	NS
Benzo(b)fluoranthene	µg/L	<1.9	<2.11	<1.90	<1.90	<2.13	0.2	0.02
Benzo(k)fluoranthene	µg/L	<2.12	<2.36	<2.12	<2.12	<2.38	NS	NS
Benzo(a)pyrene	µg/L	<1.93	<2.14	<1.93	<1.93	<2.17	0.2	0.02
Benzo(ghi)perylene	µg/L	<2.03	<2.26	<2.03	<2.03	<2.28	NS	NS
Chrysene	µg/L	<1.33	<1.48	<1.33	<1.33	**1.50 J**	0.2	0.02
Dibenz(a,h)anthracene	µg/L	<2.20	<2.44	<2.20	<2.20	<2.47	NS	NS
Fluoranthene	µg/L	<1.27	<1.41	<1.27	<1.27	3.51 J	400	80
Fluorene	µg/L	<1.56	<1.73	<1.56	<1.56	<1.75	400	80
Indeno(1,2,3-cd)pyrene	µg/L	<1.62	<1.80	<1.62	<1.62	<1.82	NS	NS
1-Methylnaphthalene	µg/L	NA	NA	NA	NA	NA	NS	NS
2-Methylnaphthalene	µg/L	7.37 J	<1.67	<1.50	<1.50	<1.69	NS	NS
Naphthalene	µg/L	5.13 J	<1.66	<1.49	<1.49	<1.67	100	10
Phenanthrene	µg/L	<1.37	<1.52	<1.37	<1.37	3.32 J	NS	NS
Pyrene	µg/L	<1.28	<1.42	<1.28	<1.28	3.34 J	250	50
Dimethyl phthalate	µg/L	3.23 J	<1.49	<1.55	<1.55	<1.74	NS	NS
2,4-Dimethylphenol	µg/L	0.899 J	<0.999	<0.899	<0.899	<1.01	NS	NS
Pyridine	µg/L	**5.28 J**	<0.744	<0.670	<0.670	<0.753	10	2
Chloride	µg/L	**200**	**350**	**130**	100	77	250	125
PCBs	µg/L	<0.490	<0.490	<0.490	<0.490	<0.557	0.03	0.003

Notes:
2. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard.
3. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit.
4. NS = no standard
5. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
6. mg/L = milligrams per liter (equivalent to parts per million, ppm)
7. NA = Not Analyzed
8. Q = Results are qualified due to the uncertainty of the parameter concentration between the Limit of Detection and Limit of Quantitation.
11. Exceedances: **bold** = Concentration exceeds NR 140 ES
bold = Concentration exceeds NR 140 PAL

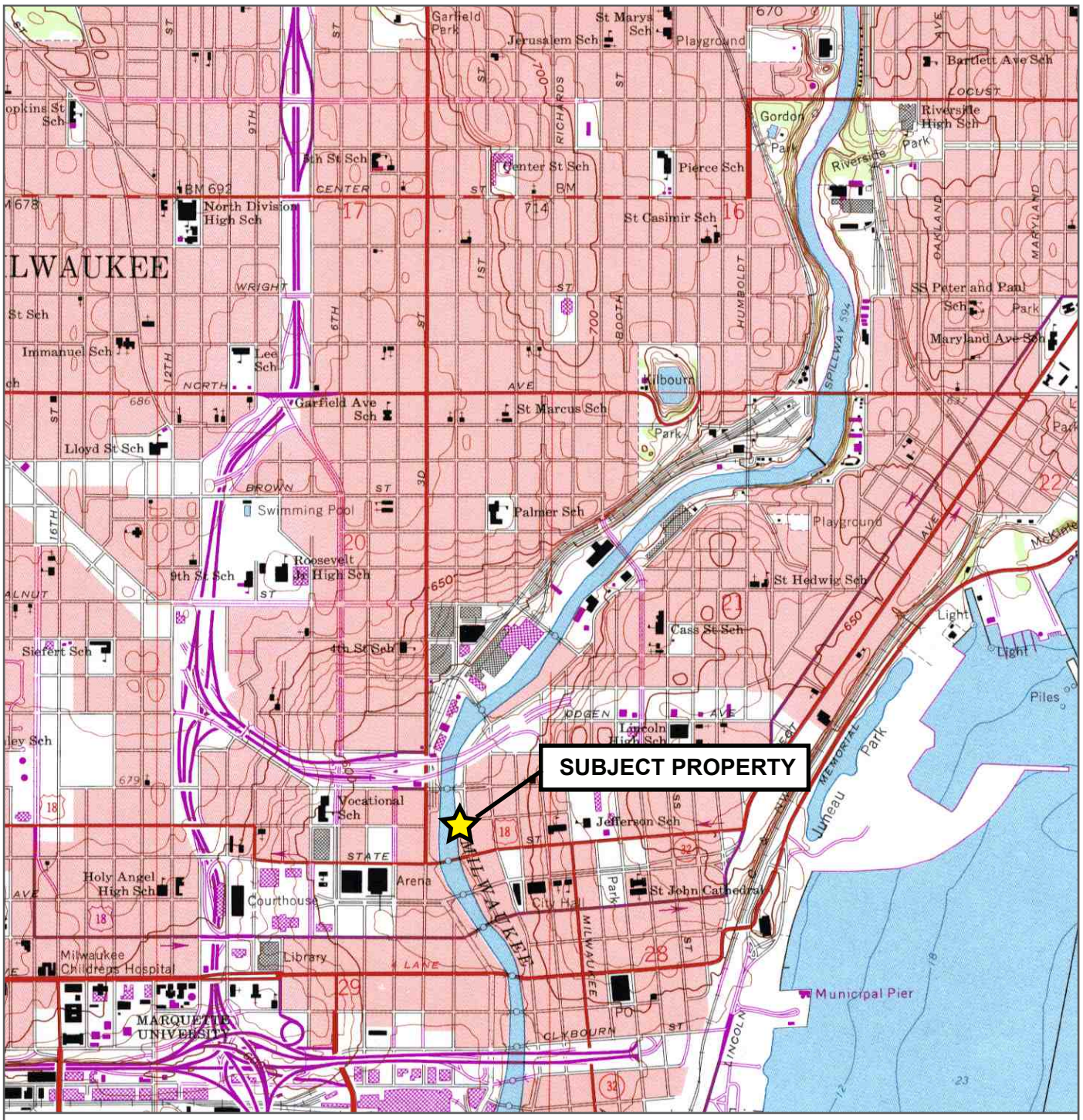
Table 4
Methane Monitoring Data
1027 N. Edison St., Milwaukee, WI
Project Reference #10813

Methane Monitoring Point	Methane Gas	Carbon Dioxide	Oxygen	LEL	Date	Comments
Units	%	%	%	%	-	(All readings open cap unless noted otherwise)
TW-1	0.0	6.0	7.9	0	05/29/08	Closed cap
	0.0	7.9	1.6	0	05/30/08	Closed cap
	0.0	5.1	10.3	0	06/02/08	Closed cap
	0.0	6.9	5.1	0	06/03/08	Closed cap
	0.1	8.0	3.9	2	06/04/08	Closed cap
	0.1	4.1	12.8	2	06/16/08	Open cap
	0.0	5.0	11.2	0	06/17/08	Open cap
	0.0	5.0	11.0	0	06/18/08	Open cap
	0.0	4.5	12.6	0	06/19/08	Open cap
	0.0	0.0	20.7	0	06/20/08	Open cap
TW-2	**4.5**	13.3	7.9	90	05/29/08	Closed cap
	5.4	13.3	0.0	108	05/30/08	Closed cap
	3.8	13.7	0.2	76	06/02/08	Closed cap
	4.3	13.7	0.0	86	06/03/08	Closed cap
	6.0	14.0	0.0	120	06/04/08	Closed cap
	16.0	14.2	0.0	320	06/16/08	Open cap
	16.4	14.0	0.0	328	06/17/08	Open cap
	15.1	14.1	0.0	302	06/18/08	Open cap
	13.1	14.1	0.0	262	06/19/08	Open cap
	0.5	0.6	20.1	12	06/20/08	Open cap
TW-3	0.0	0.9	16.0	0	05/29/08	Closed cap
	0.0	0.5	18.5	0	05/30/08	Closed cap
	0.0	1.1	15.9	0	06/02/08	Closed cap
	0.1	1.7	13.6	2	06/03/08	Closed cap
	0.1	2.2	13.1	2	06/04/08	Closed cap
	0.0	0.0	20.8	0	06/16/08	Open cap
	0.1	2.2	12.0	2	06/17/08	Open cap
	0.1	2.0	13.2	2	06/18/08	Open cap
	0.0	1.9	15.0	0	06/19/08	Open cap
	0.0	0.0	20.7	0	06/20/08	Open cap
TW-4	0.0	1.2	18.6	0	05/30/08	Closed cap
	0.0	1.1	18.2	0	06/02/08	Closed cap
	0.0	1.3	17.3	0	06/03/08	Closed cap
	0.0	1.5	17.6	0	06/04/08	Closed cap
	0.1	1.6	16.2	2	06/16/08	Open cap
	0.1	1.7	18.5	2	06/17/08	Open cap
	0.0	1.5	18.4	0	06/18/08	Open cap
	0.0	1.3	18.1	0	06/19/08	Open cap
	0.0	0.0	20.6	0	06/20/08	Open cap

Notes:

LEL = Lower explosive limit (5% for methane)
Bold = methane gas greater than 1.25%

FIGURES



N

Scale 1 : 24,000
1 inch = 2,000 feet

Located in the Northeast1/4 of Section 29, T7N, R22E
USGS Milwaukee Quadrangle (1971, photorevised 1958)
7.5 minute, 1 : 24,000 Topographic Map Collection

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SITE LOCATION MAP

1027 N. EDISON STREET
MILWAUKEE, WISCONSIN

FIGURE

1

Project: 12569 | Directory: Figures | Filename: Fig1_SLM.ai | Created By: MET | Date: 01/25/2011

Client: Redevelopment Authority of the City of Milwaukee

Site Address: 1027 N. Edison Street
Milwaukee, WI

Project: #10813

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1300 West Canal Street
Milwaukee, WI 53233
414-643-4200

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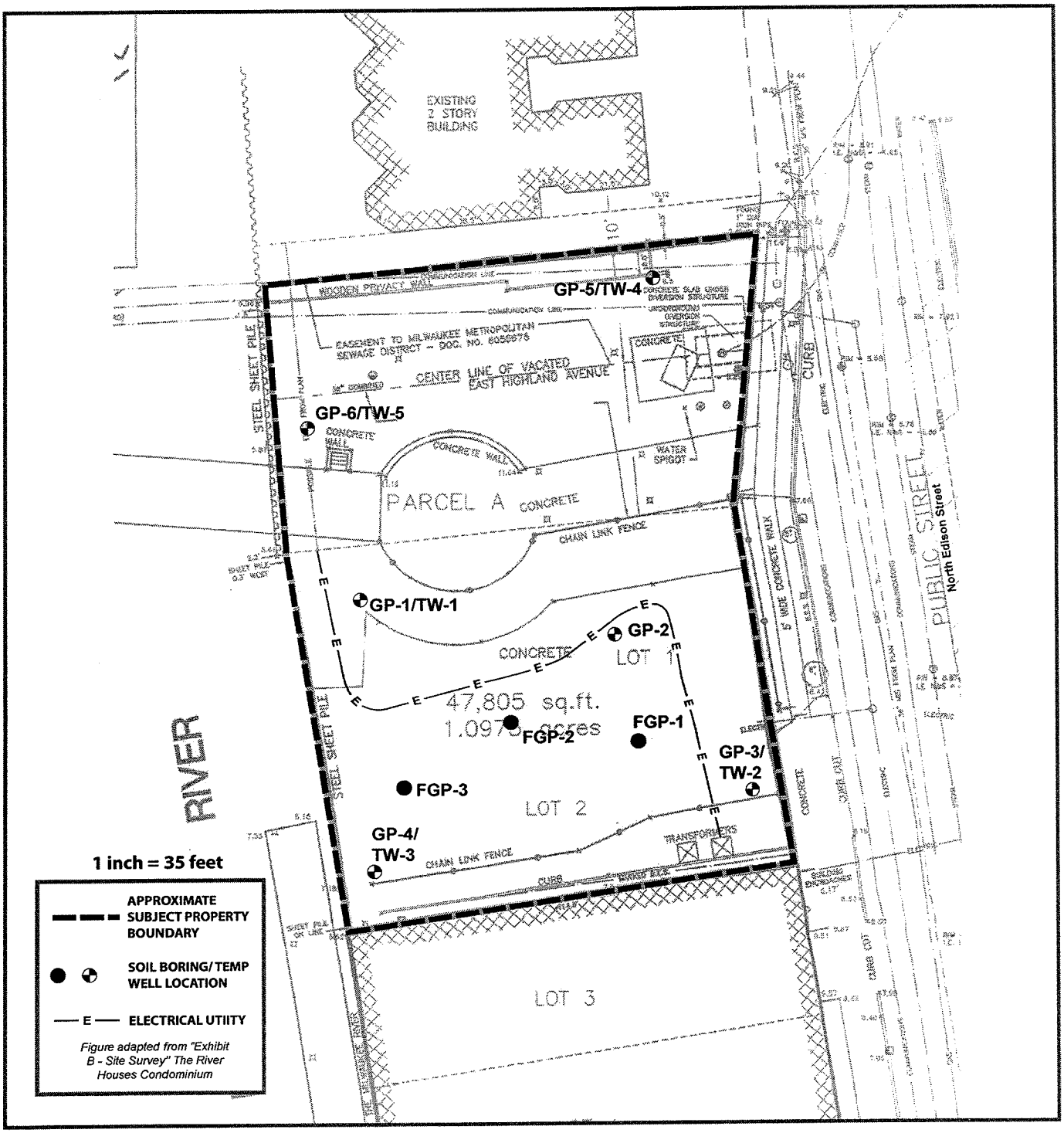
FIGURE 1a
SITE AERIAL PHOTO



Client: City of Milwaukee

Site Address: 1027 North Edison Street
Milwaukee, WI 53202

Project: #10813

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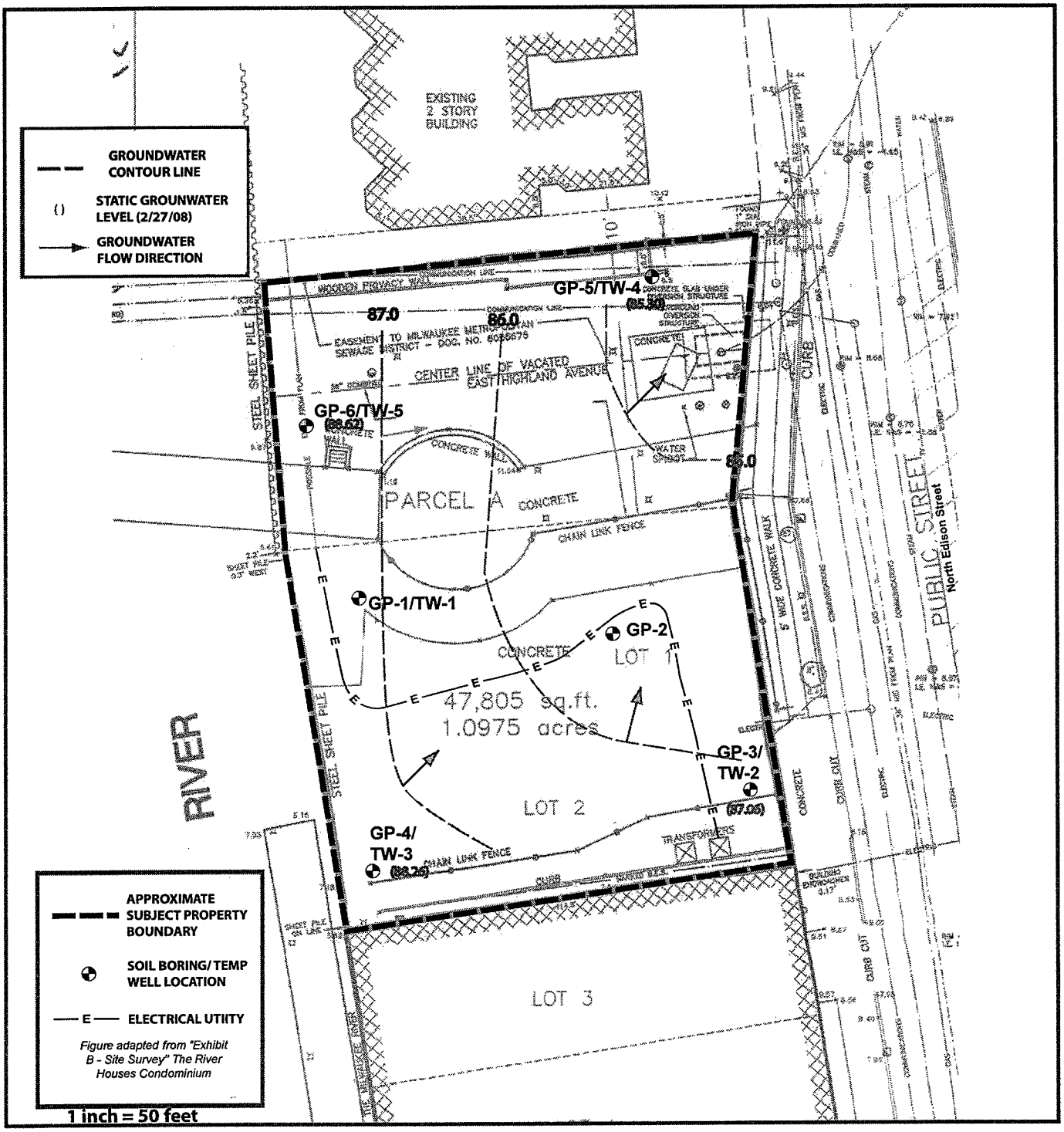
FIGURE 2
SITE PLAN MAP



Client:	City of Milwaukee
Site Address:	1027 North Edison Street Milwaukee, WI 53202
Project:	#10813

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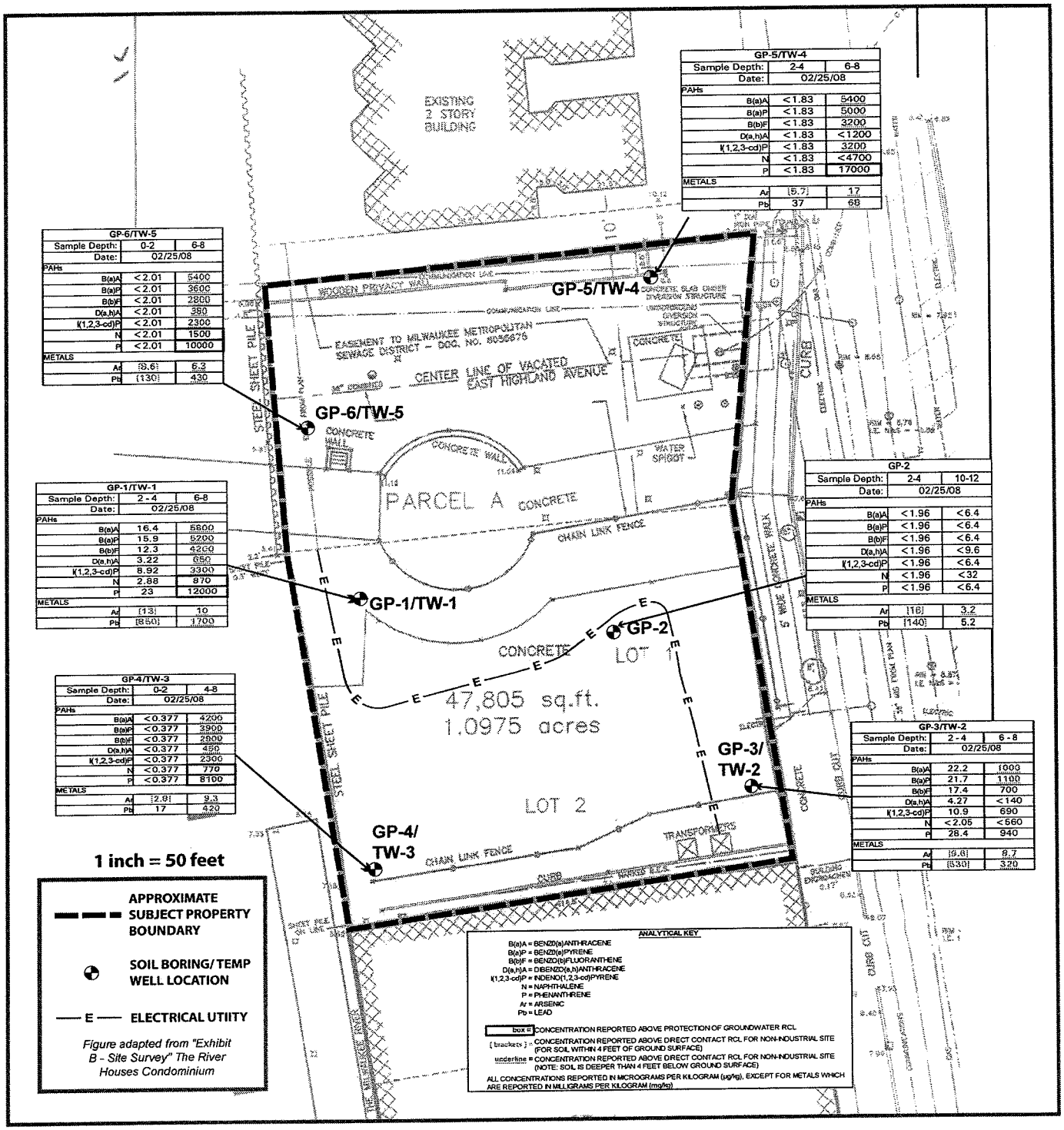
FIGURE 3

GROUNDWATER CONTOUR MAP (2/27/08)



GP-5/TW-4		
Sample Depth:	2-4	6-8
Date:	02/25/08	
PAHs		
B(a)A	<1.83	5400
B(a)P	<1.83	5000
B(b)F	<1.83	3200
D(a,h)A	<1.83	<1200
I(1,2,3-cd)P	<1.83	3200
N	<1.83	<4700
P	<1.83	17000
METALS		
Ar	[5.7]	17
Pb	37	68

GP-6/TW-5		
Sample Depth:	0-2	6-8
Date:	02/25/08	
PAHs		
B(a)A	<2.01	5400
B(a)P	<2.01	3600
B(b)F	<2.01	2800
D(a,h)A	<2.01	390
I(1,2,3-cd)P	<2.01	2300
N	<2.01	1500
P	<2.01	10000
METALS		
Ar	[9.6]	6.2
Pb	[130]	430

GP-1/TW-1		
Sample Depth:	2-4	6-8
Date:	02/25/08	
PAHs		
B(a)A	16.4	5800
B(a)P	15.9	5200
B(b)F	12.3	4200
D(a,h)A	3.22	650
I(1,2,3-cd)P	8.92	3300
N	2.88	870
P	23	12000
METALS		
Ar	[13]	10
Pb	[850]	1700

GP-2		
Sample Depth:	2-4	10-12
Date:	02/25/08	
PAHs		
B(a)A	<1.96	<6.4
B(a)P	<1.96	<6.4
B(b)F	<1.96	<6.4
D(a,h)A	<1.96	<9.6
I(1,2,3-cd)P	<1.96	<6.4
N	<1.96	<32
P	<1.96	<6.4
METALS		
Ar	[16]	3.2
Pb	[140]	5.2

GP-4/TW-3		
Sample Depth:	0-2	4-8
Date:	02/25/08	
PAHs		
B(a)A	<0.377	4200
B(a)P	<0.377	3900
B(b)F	<0.377	2800
D(a,h)A	<0.377	490
I(1,2,3-cd)P	<0.377	2300
N	<0.377	770
P	<0.377	8100
METALS		
Ar	[2.8]	9.3
Pb	17	420

GP-3/TW-2		
Sample Depth:	2-4	6-8
Date:	02/25/08	
PAHs		
B(a)A	22.2	1000
B(a)P	21.7	1100
B(b)F	17.4	700
D(a,h)A	4.27	<140
I(1,2,3-cd)P	10.9	690
N	<2.05	<560
P	28.4	940
METALS		
Ar	[9.6]	6.7
Pb	[530]	320

ANALYTICAL KEY

B(a)A = BENZO(a)ANTHRACENE
B(a)P = BENZO(a)PYRENE
B(b)F = BENZO(b)FLUORANTHENE
D(a,h)A = DIBENZO(a,h)ANTHRACENE
I(1,2,3-cd)P = INDENO(1,2,3-cd)PYRENE
N = NAPHTHALENE
P = PHENANTHRENE
Ar = ARSENIC
Pb = LEAD

box # = CONCENTRATION REPORTED ABOVE PROTECTION OF GROUNDWATER RCL
{ brackets } = CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR NON-INDUSTRIAL SITE (FOR SOIL WITHIN 4 FEET OF GROUND SURFACE)
underline = CONCENTRATION REPORTED ABOVE DIRECT CONTACT RCL FOR NON-INDUSTRIAL SITE (NOTE: SOIL IS DEEPER THAN 4 FEET BELOW GROUND SURFACE)

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg), EXCEPT FOR METALS WHICH ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

Client: City of Milwaukee

Site Address: 1027 North Edison Street
Milwaukee, WI 53202

Project: #10813

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Milwaukee, WI 53233
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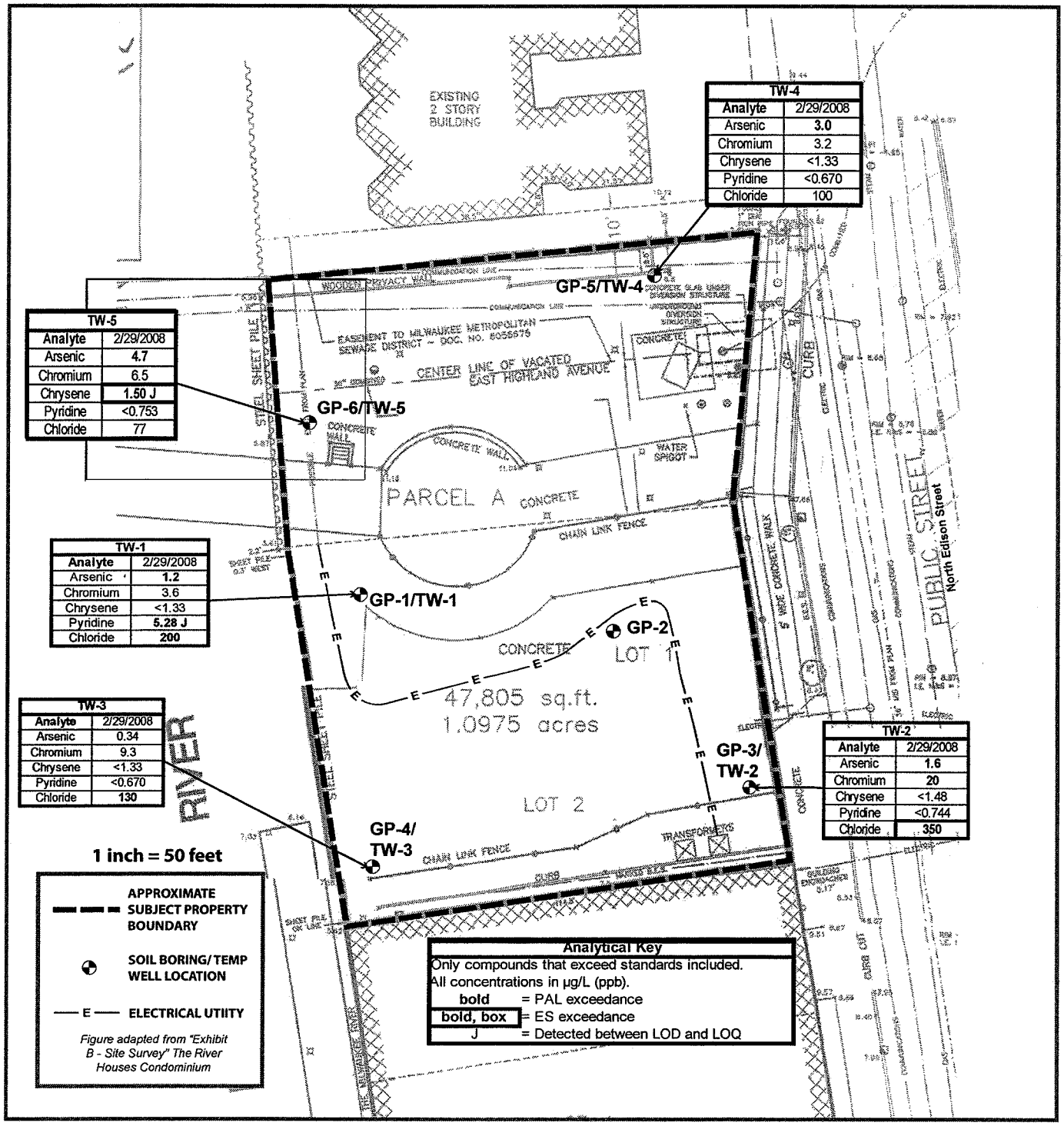
FIGURE 4
SOIL QUALITY MAP



TW-4	
Analyte	2/29/2008
Arsenic	**3.0**
Chromium	3.2
Chrysene	<1.33
Pyridine	<0.670
Chloride	100

TW-5	
Analyte	2/29/2008
Arsenic	**4.7**
Chromium	6.5
Chrysene	**1.50 J**
Pyridine	<0.753
Chloride	77

TW-1	
Analyte	2/29/2008
Arsenic	**1.2**
Chromium	3.6
Chrysene	<1.33
Pyridine	**5.28 J**
Chloride	**200**

TW-3	
Analyte	2/29/2008
Arsenic	0.34
Chromium	9.3
Chrysene	<1.33
Pyridine	<0.670
Chloride	**130**

TW-2	
Analyte	2/29/2008
Arsenic	**1.6**
Chromium	**20**
Chrysene	<1.48
Pyridine	<0.744
Chloride	**350**

Analytical Key	
Only compounds that exceed standards included.	
All concentrations in µg/L (ppb).	
bold	= PAL exceedance
bold, box	= ES exceedance
J	= Detected between LOD and LOQ

Client: City of Milwaukee

Site Address: 1027 North Edison Street
Milwaukee, WI 53202

Project: #10813

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FIGURE 5
GROUNDWATER QUALITY MAP

APPENDIX A
Soil Boring Logs

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-1	Feet Site	Feet Site	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 20	PUSH		Small gray cobbles w/sand, loose	GW			0.0						
		PUSH	1.5	Silty sand w/gravel, brick and cinder debris, v. dark brown, loose, sl. moist										
2 GP	24 20	PUSH	3.0					0.0						Lab sample (2-4)
3 GP	24 24	PUSH	4.5	V. dark brown to dark gray, tr. wood debris, moist to v. moist	SM			0.0						
4 GP	24 24	PUSH	6.0					0.0						Lab sample (6-8)
		PUSH	7.5											
5 GP	24 24	PUSH		Wet				0.0						
		PUSH	9.0	Sandy silt w/shells, gray/dark gray, river bottom sediment, v. moist to wet										
6 GP	24 24	PUSH	10.5		ML			0.0						
7 GP	24 24	PUSH	12.0	Saturated				0.0						
		PUSH	13.5											
8 GP	24 24	PUSH	15.0	Clayey silt, gray/dark gray, v. moist, soft, sl. sulur odor	ML			0.0						
				End of boring. Temporary well TW-1 installed.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18	PUSH		6" concrete over 2" asphalt				0.0						
			1.5	Gravelly sand fill - brick debris, dark gray/black, loose, sl. moist	SW									
2 GP	24 18	PUSH						0.3						Lab sample (2-4)
			3.0	Sandy silt, yellowish brown, soft, sl. moist	ML									
				Silty sand w/gravel, dark gray	SM									
3 GP	24 12	PUSH	4.5	Sandy silt, dark gray, soft, moist				0.0						
4 GP	24 12	PUSH	6.0					0.0						
			7.5											
5 GP	24 20	PUSH	9.0	Dark gray/gray, moist to v. moist	ML			0.9						
6 GP	24 20	PUSH	10.5					1.8						Lab sample (10-12)
7 GP	24 20	PUSH	12.0	Shell debris, v. moist to wet				0.0						
			13.5											
8 GP	24 20	PUSH	15.0					0.0						
				Clayey silt, dark gray, soft, v. moist	CL-ML									
9 GP	24 20	PUSH	16.5	Fine silty sand, gray, saturated, loose - anaerobic decay odor				10.4						
10 GP	24 20	PUSH	18.0		SM			10.4						
			19.5											
				End of boring. Abandoned w/bentonite chips.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-2	Feet Site	Feet Site	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location
☐ N ☐ E
Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 20	PUSH		6" concrete over 2" asphalt				0.9						
			1.5	Gravelly sandy silt, brick and glass debris, black, frozen	ML									
2 GP	24 20	PUSH	3.0					0.9						Lab sample (2-4)
3 GP	24 16	PUSH	4.5	Gravelly sandy silt, brick and wood debris, black, moist, soft	ML			0.0						
4 GP	24 16	PUSH	6.0					0.0						Lab sample (6-8)
			7.5	Sandy silt, dark gray w/black mottles, soft, moist	ML									
5 GP	24 20	PUSH	9.0					0.0						
6 GP	24 20	PUSH	10.5					0.0						
7 GP	24 24	PUSH	12.0	increasing clay content w/depth				0.0						
			13.5											
8 GP	24 24	PUSH	15.0					0.0						
9 GP	24 24	PUSH	16.5	Fine silty sand, dark gray, saturated, loose	SM			0.0						
10 GP	24 24	PUSH	18.0					0.0						
			19.5											
				End of boring. Install temporary well TW-2.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-3	Feet Site	Feet Site	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location
Feet ☐ N ☐ S Feet ☐ E ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18	PUSH		6" concrete over 2" asphalt				1.5						Lab sample (0-2)
		PUSH	1.5	Silty clay, brown, sl. stiff, damp	CL			0.6						
2 GP	24 18	PUSH	3.0											
3 GP	24 6	PUSH	4.5	Gravelly sandy silt, black, loose Poor recovery, cobble, black gravelly sand silt w/brick and wood debris	ML			2.2						Lab sample (4-8)
4 GP	24 6	PUSH	6.0					2.2						
5 GP	24 6	PUSH	7.5	Fine sandy silt, dark gray, soft, v. moist to wet	ML			0.9						
6 GP	24 6	PUSH	9.0					0.9						
7 GP	24 24	PUSH	10.5					0.0						
8 GP	24 24	PUSH	12.0					0.0						
			13.5											
			15.0	Fine silty sand, gray, wet, loose	SM									
				End of boring. Install temporary well TW-3.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-4	Feet Site	Feet Site	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 24	PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH		Brown silty topsoil	ML			0.0						
			1.5	Gravelly sandy silt w/wood and brick debris, dark brown/v. dark brown, soft, sl. moist										
2 GP	24 24		3.0		ML			0.3						Lab sample (2-4)
3 GP	24 24		4.5					0.3						
4 GP	24 24		6.0	Sandy gravel, brown, loose	GW			0.3						Lab sample (6-8)
			7.5	Sand fine to coarse, glass/flaky debris, black	SW									
5 GP	24 12		9.0					0.0						
				Silty sand, brown, loose, moist										
6 GP	24 12		10.5		SM			0.0						
7 GP	24 24		12.0	Clayey silt, gray, moist, soft				0.3						
			13.5		CL-ML									
8 GP	24 24							0.3						
			15.0	Silty fine sand, gray, moist to wet										
9 GP	24 16		16.5					0.3						
					SM									
10 GP	24 16		18.0					0.3						
			19.5											
				End of boring. Install temporary well TW-4.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Rick Filbrandt GESTRA	2/25/2008	2/25/2008	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		TW-5	Feet Site	Feet Site	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18	PUSH	1.5	Topsoil, silty, brown	ML			0.6						Lab sample (0-2)
2 GP	24 18	PUSH	3.0	Sandy silt w/concrete cobbles & coarse gravel, black	ML			0.3						
3 GP	24 24	PUSH	4.5	Silty w/gravel and sand, brick and wood debris, dark brown, moist, soft	ML			0.3						
4 GP	24 24	PUSH	6.0					0.3						Lab sample (6-8)
5 GP	24 24	PUSH	7.5											
6 GP	24 24	PUSH	9.0	Clayey silt, v. dark gray, soft, moist to v. moist	CL-ML			0.0						
7 GP	24 24	PUSH	10.5					0.0						
8 GP	24 24	PUSH	12.0	Silty sand, dark gray, saturated	SM			0.6						
			13.5					0.6						
			15.0	Clayey silt, v. dark gray, soft, moist	CL-ML									
				End of boring. Install temporary well TW-5.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: (414) 643-4200
Fax: (414) 643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	FGP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Joe Sikora Sigma Environmental	5/21/2008	5/21/2008	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E

Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "

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

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 20	PUSH		Concrete pavement				1.1						
				Asphalt pavement										
			1.5	Silty fill w/brick debris and gravel, dark brown, moist, soft										
2 GP	24 20	PUSH	3.0		ML			1.1						
3 GP	24 20	PUSH	4.5					1.1						Lab sample (4-8)
			6.0	Silty sand w/tr. gravel, gray, moist, loose										
4 GP	24 20	PUSH	7.5		SM			1.1						
5 GP	24 20	PUSH	9.0	Silty sand w/shell debris, dark gray, moist to v. moist				1.1						Lab sample (8-12)
6 GP	24 20	PUSH	10.5		SM			1.1						
			12.0	Organic silt w/shell debris, dark gray, wet, soft										
7 GP	24 24	PUSH	13.5		OL			1.1						
8 GP	24 24	PUSH	15.0					1.1						
				End of boring. Abandoned w/3/8" bentonite chips.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233

Tel: 414-643-4200
Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	FGP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Joe Sikora Sigma Environmental	5/21/2008	5/21/2008	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 20	PUSH		Concrete pavement				1.1						Lab sample (0-4)
				Asphalt pavement										
			1.5	Gravelly fill w/tr. glass debris, black/rusty, moist to wet, loose	GW			1.1						
2 GP	24 20	PUSH	3.0											
3 GP	24 24	PUSH	4.5	Silty fill w/tr. cinders and wood debris, dark gray	ML			1.1						
4 GP	24 24	PUSH	6.0					1.1						
			7.5	Silty sand, gray to dark gray	SM			1.1						Lab sample (8-12)
5 GP	24 24	PUSH	9.0											
6 GP	24 24	PUSH	10.5					1.1						
				Organic silt w/some wood, dark gray	OL									
			12.0	End of boring. Abandoned w/3/8" bentonite chips.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1027 N. Edison St.	-	FGP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Joe Sikora Sigma Environmental	5/21/2008	5/21/2008	Geoprobe

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

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 29, T 7 N, R 22 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	24 18	PUSH		Concrete pavement				1.1						Lab sample (0-4)
				Asphalt pavement										
			1.5	Gravelly fill w/tr. cinders and glass debris, black, damp, loose										
2 GP	24 18	PUSH	3.0					1.1						
3 GP	24 20	PUSH	4.5	Moist to wet	GW			1.1						
4 GP	24 20	PUSH	6.0					1.1						
5 GP	24 24	PUSH	7.5	Silty sand, dark gray, wet, loose	SM			1.1						Lab sample (8-12)
6 GP	24 24	PUSH	9.0					1.1						
			10.5	Clayey silt w/shell debris, dark gray, soft	OL									
			12.0	End of boring. Abandoned w/3/8" bentonite chips.										

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

Signature

Firm Sigma Environmental Services, Inc.
1300 W. Canal Street Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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APPENDIX B
Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Milwaukee

Common Well Name: GP-2 Gov't Lot (if applicable): _____

Grid Location: NE 1/4 of NE 1/4 of Sec. 29 ; T. 7 N; R. 22 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☒

Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ " or

State Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Investigation soil boring

WI Unique Well No. of Replacement Well:

(2) FACILITY /OWNER INFORMATION

Facility Name: 1027 N. Edison St.

Facility ID: | License/Permit/Monitoring No.: -

Street Address of Well: 1027 N. Edison St.

City, Village, or Town: Milwaukee

Present Well Owner: | Original Owner:

Street Address or Route of Owner:

City, State, Zip Code:

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____ Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☒ No

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	20.0		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: Sigma Environmental Services, Inc.

Date of Abandonment: 2/25/08

Signature of Person Doing Work: [signature] Date Signed: 2/28/08

Street or Route: 1300 West Canal Street

Telephone Number: 414-643-4200

City, State, Zip Code: Milwaukee, WI 53233

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Milwaukee

Common Well Name: FGP-1 _____ Gov't Lot (if applicable)

Grid Location: NE 1/4 of NE 1/4 of Sec. 29 ; T. 7 N; R. 22 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☒

Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ " or

State Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Investigation soil boring

WI Unique Well No. of Replacement Well

(2) FACILITY /OWNER INFORMATION

Facility Name: 1027 N. Edison St.

Facility ID | License/Permit/Monitoring No.: -

Street Address of Well: 1027 N. Edison St.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☒ No

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	16.0		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: Sigma Environmental Services, Inc.

Date of Abandonment: 5/21/08

Signature of Person Doing Work: [signature]

Date Signed: 5/21/08

Street or Route: 1300 West Canal Street

Telephone Number: 414-643-4200

City, State, Zip Code: Milwaukee, WI 53233

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Milwaukee

Common Well Name: FGP-2 Gov't Lot (if applicable): _____

Grid Location: NE 1/4 of NE 1/4 of Sec. 29 ; T. 7 N; R. 22 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☒

Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ " or

State Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Investigation soil boring

WI Unique Well No. of Replacement Well:

(2) FACILITY /OWNER INFORMATION

Facility Name: 1027 N. Edison St.

Facility ID: | License/Permit/Monitoring No.: -

Street Address of Well: 1027 N. Edison St.

City, Village, or Town: Milwaukee

Present Well Owner: | Original Owner:

Street Address or Route of Owner:

City, State, Zip Code:

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) _____ (From ground surface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	12.0		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: Sigma Environmental Services, Inc.

Date of Abandonment: 5/21/08

Signature of Person Doing Work: [signature]

Date Signed: 5/21/08

Street or Route: 1300 West Canal Street

Telephone Number: 414-643-4200

City, State, Zip Code: Milwaukee, WI 53233

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Milwaukee

Common Well Name: FGP-3 Gov't Lot (if applicable): _____

Grid Location: NE 1/4 of NE 1/4 of Sec. 29 ; T. 7 N; R. 22 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☒

Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ " or

State Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Investigation soil boring

WI Unique Well No. of Replacement Well:

(2) FACILITY /OWNER INFORMATION

Facility Name: 1027 N. Edison St.

Facility ID | License/Permit/Monitoring No.: -

Street Address of Well: 1027 N. Edison St.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From ground surface) _____ Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	12.0		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: Sigma Environmental Services, Inc.

Date of Abandonment: 5/21/08

Signature of Person Doing Work: [signature]

Date Signed: 5/21/08

Street or Route: 1300 West Canal Street

Telephone Number: 414-643-4200

City, State, Zip Code: Milwaukee, WI 53233

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

APPENDIX C
Soil Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

RECEIVED
MAR 10 2008

March 06, 2008

Client:	SIGMA ENVIRONMENTAL SERV. - Milwaukee 1300 West Canal Street Milwaukee, WI 53233	Work Order: Project Name: Project Number:	WRB0772 10813 City of Milwaukee 10813 - 1027 N. Edison Street
Attn:	Mr. Steve Meer	Date Received:	02/26/08

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
GP-1 2-4	WRB0772-01	02/25/08 09:15
GP-1 6-8	WRB0772-02	02/25/08 09:45
GP-2 2-4	WRB0772-03	02/25/08 10:30
GP-2 10-12	WRB0772-04	02/25/08 11:00
GP-3 2-4	WRB0772-05	02/25/08 12:00
GP-3 6-8	WRB0772-06	02/25/08 12:30
GP-4 0-2	WRB0772-07	02/25/08 13:00
GP-4 4-8	WRB0772-08	02/25/08 13:00
GP-5 2-4	WRB0772-09	02/25/08 14:00
GP-5 6-8	WRB0772-10	02/25/08 14:30
GP-6 0-2	WRB0772-11	02/25/08 15:00
GP-6 6-8	WRB0772-12	02/25/08 15:30

SW 8082, SW 8270C analysis performed at Lab ID: 999917270

Samples were received into laboratory on ice.

Wisconsin Certification Number: 128053530

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:

Brian DeJong

TestAmerica Watertown
Brian DeJong For Warren L. Topel
Project Manager

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-01 (GP-1 2-4 - Solid/Soil)						**Sampled: 02/25/08 09:15**			
General Chemistry Parameters									
% Solids	**82**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**58**		mg/kg dry	30	1	03/04/08 15:36	pxm	8030053	SW 9251
Metals									
Arsenic	**13**		mg/kg dry	1.7	1	02/28/08 16:47	mmm	8020504	SW 6010B
Barium	**200**		mg/kg dry	0.13	1	02/28/08 16:47	mmm	8020504	SW 6010B
Cadmium	**0.72**		mg/kg dry	0.12	1	02/28/08 16:47	mmm	8020504	SW 6010B
Chromium	**13**		mg/kg dry	0.22	1	02/28/08 16:47	mmm	8020504	SW 6010B
Lead	**850**		mg/kg dry	1.5	1	02/28/08 16:47	mmm	8020504	SW 6010B
Mercury	**37**		mg/kg dry	1.2	100	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.9		mg/kg dry	4.9	1	02/28/08 16:47	mmm	8020504	SW 6010B
Silver	**0.36**		mg/kg dry	0.13	1	02/28/08 16:47	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Bromobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Bromochloromethane	<43		ug/kg dry	43	1	02/27/08 18:40	lck	8020500	SW 8260B
Bromodichloromethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Bromoform	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/27/08 18:40	lck	8020500	SW 8260B
n-Butylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
sec-Butylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
tert-Butylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Carbon Tetrachloride	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Chlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Chlorodibromomethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Chloroethane	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
Chloroform	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Chloromethane	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
2-Chlorotoluene	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
4-Chlorotoluene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2-Dibromo-3-chloropropane	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2-Dibromoethane (EDB)	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Dibromomethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2-Dichlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,3-Dichlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,4-Dichlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Dichlorodifluoromethane	<61	C9	ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1-Dichloroethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2-Dichloroethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1-Dichloroethene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
cis-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
trans-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2-Dichloropropane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,3-Dichloropropane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
2,2-Dichloropropane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1-Dichloropropene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
cis-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
trans-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
2,3-Dichloropropene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Isopropyl Ether	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Ethylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-01 (GP-1 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 09:15**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
Hexachlorobutadiene	<43		ug/kg dry	43	1	02/27/08 18:40	lck	8020500	SW 8260B
Isopropylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
p-Isopropyltoluene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Methylene Chloride	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
Methyl tert-Butyl Ether	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Naphthalene	**130**		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
n-Propylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Styrene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1,1,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1,2,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Tetrachloroethene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Toluene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2,3-Trichlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2,4-Trichlorobenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1,1-Trichloroethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,1,2-Trichloroethane	<43		ug/kg dry	43	1	02/27/08 18:40	lck	8020500	SW 8260B
Trichloroethene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Trichlorofluoromethane	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2,3-Trichloropropane	<61		ug/kg dry	61	1	02/27/08 18:40	lck	8020500	SW 8260B
1,2,4-Trimethylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
1,3,5-Trimethylbenzene	<30		ug/kg dry	30	1	02/27/08 18:40	lck	8020500	SW 8260B
Vinyl chloride	<43		ug/kg dry	43	1	02/27/08 18:40	lck	8020500	SW 8260B
Xylenes, total	<100		ug/kg dry	100	1	02/27/08 18:40	lck	8020500	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*97 %*								
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*99 %*								
General Chemistry Parameters									
% Solids	**82.1**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	**2.88**		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Acenaphthylene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Anthracene	**6.37**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzidine	<20.1		mg/kg dry	20.1	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzo (a) anthracene	**16.4**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	**12.3**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	**12.7**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzo (a) pyrene	**15.9**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	**10.1**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzyl alcohol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Carbazole	**2.23**		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Chloroaniline	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Chloronaphthalene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Chrysene	**17.6**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	**3.22**		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Dibenzofuran	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-01 (GP-1 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 09:15**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Di-n-butyl phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Diethyl phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Dimethyl phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Fluoranthene	**41.8**	M1	mg/kg dry	20.1	49.9	03/06/08 11:55	dmd	8020961	SW 8270C
Fluorene	**2.96**		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Hexachlorobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Hexachlorobutadiene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<4.02		mg/kg dry	4.02	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Hexachloroethane	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	**8.92**	M1	mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Isophorone	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Methylnaphthalene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Naphthalene	**2.88**		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Nitroaniline	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
3-Nitroaniline	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Nitroaniline	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Nitrobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
N-Nitrosodimethylamine	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Phenanthrene	**22.8**	M1	mg/kg dry	20.1	49.9	03/06/08 11:55	dmd	8020961	SW 8270C
Pyrene	**27.0**		mg/kg dry	20.1	49.9	03/06/08 11:55	dmd	8020961	SW 8270C
Pyridine	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Benzoic acid	<4.02		mg/kg dry	4.02	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Chlorophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Cresol(s)	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2-Nitrophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
4-Nitrophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Pentachlorophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Phenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4,5-Trichlorophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<2.01		mg/kg dry	2.01	4.99	03/06/08 12:30	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*79 %*								
Surr: 2-Fluorobiphenyl (20-115%)	*87 %*								
Surr: Terphenyl-d14 (40-135%)	*96 %*								
Surr: Phenol-d6 (30-125%)	*73 %*								
Surr: 2-Fluorophenol (25-120%)	*66 %*								

TestAmerica Watertown
Brian DeJong For Warren L. Topel
Project Manager

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-01 (GP-1 2-4 - Solid/Soil) - cont.						**Sampled: 02/25/08 09:15**			
Semivolatile Organics by GC/MS - cont.									
Surr: 2,4,6-Tribromophenol (35-130%)	*78 %*								
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1221	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1232	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1242	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1248	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1254	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1260	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
PCB-1268	<0.0609		mg/kg dry	0.0609	0.99	02/29/08 17:51	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*90 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*106 %*								
Sample ID: WRB0772-02 (GP-1 6-8 - Solid/Soil)						**Sampled: 02/25/08 09:45**			
General Chemistry Parameters									
% Solids	**80**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**70**		mg/kg dry	31	1	03/04/08 15:39	pxm	8030053	SW 9251
Metals									
Arsenic	**10**		mg/kg dry	1.8	1	02/28/08 16:51	mmm	8020504	SW 6010B
Barium	**280**		mg/kg dry	0.14	1	02/28/08 16:51	mmm	8020504	SW 6010B
Cadmium	**0.92**		mg/kg dry	0.13	1	02/28/08 16:51	mmm	8020504	SW 6010B
Chromium	**26**		mg/kg dry	0.23	1	02/28/08 16:51	mmm	8020504	SW 6010B
Lead	**1700**		mg/kg dry	1.5	1	02/28/08 16:51	mmm	8020504	SW 6010B
Mercury	**1.5**		mg/kg dry	0.063	5	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<5.0		mg/kg dry	5.0	1	02/28/08 16:51	mmm	8020504	SW 6010B
Silver	**0.53**		mg/kg dry	0.14	1	02/28/08 16:51	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Bromobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Bromochloromethane	<44		ug/kg dry	44	1	02/27/08 19:07	lck	8020500	SW 8260B
Bromodichloromethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Bromoform	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Bromomethane	<130		ug/kg dry	130	1	02/27/08 19:07	lck	8020500	SW 8260B
n-Butylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
sec-Butylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
tert-Butylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Carbon Tetrachloride	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Chlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Chlorodibromomethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Chloroethane	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
Chloroform	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Chloromethane	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
2-Chlorotoluene	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
4-Chlorotoluene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2-Dibromo-3-chloropropane	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2-Dibromoethane (EDB)	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Dibromomethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2-Dichlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,3-Dichlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,4-Dichlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Dichlorodifluoromethane	<63	C9	ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1-Dichloroethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-02 (GP-1 6-8 - Solid/Soil) - cont. **Sampled: 02/25/08 09:45**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
1,2-Dichloroethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1-Dichloroethene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
cis-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
trans-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2-Dichloropropane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,3-Dichloropropane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
2,2-Dichloropropane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1-Dichloropropene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
cis-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
trans-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
2,3-Dichloropropene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Isopropyl Ether	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Ethylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Hexachlorobutadiene	<44		ug/kg dry	44	1	02/27/08 19:07	lck	8020500	SW 8260B
Isopropylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
p-Isopropyltoluene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Methylene Chloride	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
Methyl tert-Butyl Ether	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Naphthalene	**67**		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
n-Propylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Styrene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1,1,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1,2,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Tetrachloroethene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Toluene	**68**		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2,3-Trichlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2,4-Trichlorobenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1,1-Trichloroethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,1,2-Trichloroethane	<44		ug/kg dry	44	1	02/27/08 19:07	lck	8020500	SW 8260B
Trichloroethene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Trichlorofluoromethane	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2,3-Trichloropropane	<63		ug/kg dry	63	1	02/27/08 19:07	lck	8020500	SW 8260B
1,2,4-Trimethylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
1,3,5-Trimethylbenzene	<31		ug/kg dry	31	1	02/27/08 19:07	lck	8020500	SW 8260B
Vinyl chloride	<44		ug/kg dry	44	1	02/27/08 19:07	lck	8020500	SW 8260B
Xylenes, total	<110		ug/kg dry	110	1	02/27/08 19:07	lck	8020500	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*97 %*								
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*98 %*								
PNAs by SW8310									
Acenaphthene	**2500**		ug/kg dry	940	15	03/05/08 22:17	CLJ	8020499	SW 8310
Acenaphthylene	<1600		ug/kg dry	1600	15	03/05/08 22:17	CLJ	8020499	SW 8310
Anthracene	**3300**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Benzo (a) anthracene	**5800**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	**4200**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Benzo (k) fluoranthene	**2600**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Benzo (a) pyrene	**5200**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	**3000**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Chrysene	**4000**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	**650**		ug/kg dry	140	15	03/05/08 22:17	CLJ	8020499	SW 8310
Fluoranthene	**16000**		ug/kg dry	190	15	03/05/08 22:17	CLJ	8020499	SW 8310
Fluorene	**1600**		ug/kg dry	190	15	03/05/08 22:17	CLJ	8020499	SW 8310

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-02 (GP-1 6-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 09:45**			
PNAs by SW8310 - cont.									
Indeno (1,2,3-cd) pyrene	**3300**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
1-Methylnaphthalene	**1200**		ug/kg dry	570	15	03/05/08 22:17	CLJ	8020499	SW 8310
2-Methylnaphthalene	**8400**		ug/kg dry	470	15	03/05/08 22:17	CLJ	8020499	SW 8310
Naphthalene	**870**		ug/kg dry	570	15	03/05/08 22:17	CLJ	8020499	SW 8310
Phenanthrene	**12000**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Pyrene	**9000**		ug/kg dry	94	15	03/05/08 22:17	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*0.00 %*	*Z3*							
General Chemistry Parameters									
% Solids	**79.6**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<1.26		mg/kg dry	1.26	19.7	03/03/08 18:46	slt	8020909	SW 8082
PCB-1221	<1.26		mg/kg dry	1.26	19.7	03/03/08 18:46	slt	8020909	SW 8082
PCB-1232	<1.26		mg/kg dry	1.26	19.7	03/03/08 18:46	slt	8020909	SW 8082
PCB-1242	<1.26		mg/kg dry	1.26	19.7	03/03/08 18:46	slt	8020909	SW 8082
PCB-1248	<1.26		mg/kg dry	1.26	19.7	03/03/08 18:46	slt	8020909	SW 8082
PCB-1254	<0.0628		mg/kg dry	0.0628	0.987	02/29/08 18:01	slt	8020909	SW 8082
PCB-1260	<0.0628		mg/kg dry	0.0628	0.987	02/29/08 18:01	slt	8020909	SW 8082
PCB-1268	<0.0628		mg/kg dry	0.0628	0.987	02/29/08 18:01	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*78 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*479 %*	*ZX*							
Sample ID: WRB0772-03 (GP-2 2-4 - Solid/Soil)						**Sampled: 02/25/08 10:30**			
General Chemistry Parameters									
% Solids	**84**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**66**		mg/kg dry	30	1	03/04/08 15:39	pxm	8030053	SW 9251
Metals									
Arsenic	**16**		mg/kg dry	1.7	1	02/28/08 16:55	mmm	8020504	SW 6010B
Barium	**100**		mg/kg dry	0.13	1	02/28/08 16:55	mmm	8020504	SW 6010B
Cadmium	**0.63**		mg/kg dry	0.12	1	02/28/08 16:55	mmm	8020504	SW 6010B
Chromium	**8.8**		mg/kg dry	0.21	1	02/28/08 16:55	mmm	8020504	SW 6010B
Lead	**140**		mg/kg dry	1.4	1	02/28/08 16:55	mmm	8020504	SW 6010B
Mercury	**0.32**		mg/kg dry	0.012	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.8		mg/kg dry	4.8	1	02/28/08 16:55	mmm	8020504	SW 6010B
Silver	<0.13		mg/kg dry	0.13	1	02/28/08 16:55	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Bromobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Bromochloromethane	<42		ug/kg dry	42	1	02/29/08 12:49	lck	8020562	SW 8260B
Bromodichloromethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Bromoform	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/29/08 12:49	lck	8020562	SW 8260B
n-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
sec-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
tert-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Carbon Tetrachloride	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Chlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Chlorodibromomethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Chloroethane	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
Chloroform	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Chloromethane	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
2-Chlorotoluene	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
4-Chlorotoluene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-03 (GP-2 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 10:30**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
1,2-Dibromo-3-chloropropane	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Dibromomethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Dichlorodifluoromethane	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1-Dichloroethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2-Dichloroethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,3-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
2,2-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
2,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Isopropyl Ether	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Ethylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Hexachlorobutadiene	<42		ug/kg dry	42	1	02/29/08 12:49	lck	8020562	SW 8260B
Isopropylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
p-Isopropyltoluene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Methylene Chloride	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Naphthalene	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
n-Propylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Styrene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Tetrachloroethene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Toluene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<42		ug/kg dry	42	1	02/29/08 12:49	lck	8020562	SW 8260B
Trichloroethene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Trichlorofluoromethane	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<59		ug/kg dry	59	1	02/29/08 12:49	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<30		ug/kg dry	30	1	02/29/08 12:49	lck	8020562	SW 8260B
Vinyl chloride	<42		ug/kg dry	42	1	02/29/08 12:49	lck	8020562	SW 8260B
Xylenes, total	<100		ug/kg dry	100	1	02/29/08 12:49	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								
Surr: Toluene-d8 (91-106%)	*98 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*99 %*								
General Chemistry Parameters									
% Solids	**84.2**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Acenaphthylene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-03 (GP-2 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 10:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Anthracene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzidine	<19.6	RL1	mg/kg dry	19.6	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzo (a) anthracene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzo (a) pyrene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Benzyl alcohol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Carbazole	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Chloroaniline	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Chloronaphthalene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Chrysene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Dibenzofuran	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Di-n-butyl phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Diethyl phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Dimethyl phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Fluoranthene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Fluorene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Hexachlorobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Hexachlorobutadiene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<3.92	RL1	mg/kg dry	3.92	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Hexachloroethane	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Isophorone	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Methylnaphthalene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Naphthalene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Nitroaniline	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
3-Nitroaniline	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Nitroaniline	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Nitrobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
N-Nitrosodimethylamine	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Phenanthrene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Pyrene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Pyridine	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-03 (GP-2 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 10:30**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Semivolatile Organics by GC/MS - cont.									
Benzoic acid	<3.92	RL1	mg/kg dry	3.92	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Chlorophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Cresol(s)	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2-Nitrophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
4-Nitrophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Pentachlorophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Phenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4,5-Trichlorophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<1.96	RL1	mg/kg dry	1.96	4.99	03/05/08 01:55	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*67 %*	*RL1*							
Surr: 2-Fluorobiphenyl (20-115%)	*80 %*	*RL1*							
Surr: Terphenyl-d14 (40-135%)	*88 %*	*RL1*							
Surr: Phenol-d6 (30-125%)	*67 %*	*RL1*							
Surr: 2-Fluorophenol (25-120%)	*62 %*	*RL1*							
Surr: 2,4,6-Tribromophenol (35-130%)	*79 %*	*RL1*							
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1221	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1232	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1242	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1248	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1254	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1260	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
PCB-1268	<0.0594		mg/kg dry	0.0594	0.983	02/29/08 18:33	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*87 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*85 %*								

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-04 (GP-2 10-12 - Solid/Soil)						**Sampled: 02/25/08 11:00**			
General Chemistry Parameters									
% Solids	**79**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**69**		mg/kg dry	32	1	03/04/08 15:40	pxm	8030053	SW 9251
Metals									
Arsenic	**3.2**		mg/kg dry	1.8	1	02/28/08 16:59	mmm	8020504	SW 6010B
Barium	**47**		mg/kg dry	0.14	1	02/28/08 16:59	mmm	8020504	SW 6010B
Cadmium	<0.13		mg/kg dry	0.13	1	02/28/08 16:59	mmm	8020504	SW 6010B
Chromium	**4.8**		mg/kg dry	0.23	1	02/28/08 16:59	mmm	8020504	SW 6010B
Lead	**5.2**		mg/kg dry	1.5	1	02/28/08 16:59	mmm	8020504	SW 6010B
Mercury	<0.013		mg/kg dry	0.013	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<5.1		mg/kg dry	5.1	1	02/28/08 16:59	mmm	8020504	SW 6010B
Silver	**0.34**		mg/kg dry	0.14	1	02/28/08 16:59	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Bromobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Bromochloromethane	<45		ug/kg dry	45	1	02/29/08 13:16	lck	8020562	SW 8260B
Bromodichloromethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Bromoform	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Bromomethane	<130		ug/kg dry	130	1	02/29/08 13:16	lck	8020562	SW 8260B
n-Butylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
sec-Butylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
tert-Butylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Carbon Tetrachloride	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Chlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Chlorodibromomethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Chloroethane	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
Chloroform	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Chloromethane	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
2-Chlorotoluene	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
4-Chlorotoluene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Dibromomethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Dichlorodifluoromethane	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1-Dichloroethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2-Dichloroethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1-Dichloroethene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2-Dichloropropane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,3-Dichloropropane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
2,2-Dichloropropane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1-Dichloropropene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
2,3-Dichloropropene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Isopropyl Ether	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Ethylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Hexachlorobutadiene	<45		ug/kg dry	45	1	02/29/08 13:16	lck	8020562	SW 8260B
Isopropylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-04 (GP-2 10-12 - Solid/Soil) - cont. **Sampled: 02/25/08 11:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
p-Isopropyltoluene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Methylene Chloride	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Naphthalene	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
n-Propylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Styrene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Tetrachloroethene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Toluene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<45		ug/kg dry	45	1	02/29/08 13:16	lck	8020562	SW 8260B
Trichloroethene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Trichlorofluoromethane	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<64		ug/kg dry	64	1	02/29/08 13:16	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<32		ug/kg dry	32	1	02/29/08 13:16	lck	8020562	SW 8260B
Vinyl chloride	<45		ug/kg dry	45	1	02/29/08 13:16	lck	8020562	SW 8260B
Xylenes, total	<110		ug/kg dry	110	1	02/29/08 13:16	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*99 %*								
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*96 %*								
PNAs by SW8310									
Acenaphthene	<64		ug/kg dry	64	1	03/04/08 16:22	CLJ	8020499	SW 8310
Acenaphthylene	<110		ug/kg dry	110	1	03/04/08 16:22	CLJ	8020499	SW 8310
Anthracene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Benzo (a) anthracene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Benzo (k) fluoranthene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Benzo (a) pyrene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Chrysene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	<9.6		ug/kg dry	9.6	1	03/04/08 16:22	CLJ	8020499	SW 8310
Fluoranthene	<13		ug/kg dry	13	1	03/04/08 16:22	CLJ	8020499	SW 8310
Fluorene	<13		ug/kg dry	13	1	03/04/08 16:22	CLJ	8020499	SW 8310
Indeno (1,2,3-cd) pyrene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
1-Methylnaphthalene	<38		ug/kg dry	38	1	03/04/08 16:22	CLJ	8020499	SW 8310
2-Methylnaphthalene	<32		ug/kg dry	32	1	03/04/08 16:22	CLJ	8020499	SW 8310
Naphthalene	<38		ug/kg dry	38	1	03/04/08 16:22	CLJ	8020499	SW 8310
Phenanthrene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Pyrene	<6.4		ug/kg dry	6.4	1	03/04/08 16:22	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*99 %*								
General Chemistry Parameters									
% Solids	**78.5**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1221	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1232	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1242	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-04 (GP-2 10-12 - Solid/Soil) - cont.						**Sampled: 02/25/08 11:00**			
Polychlorinated Biphenyls by EPA Method 8082 - cont.									
PCB-1248	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1254	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1260	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
PCB-1268	<0.0637		mg/kg dry	0.0637	0.991	02/29/08 18:44	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*68 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*90 %*								
Sample ID: WRB0772-05 (GP-3 2-4 - Solid/Soil)						**Sampled: 02/25/08 12:00**			
General Chemistry Parameters									
% Solids	**80**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**63**		mg/kg dry	31	1	03/04/08 15:41	pxm	8030053	SW 9251
Metals									
Arsenic	**9.6**		mg/kg dry	1.7	1	02/28/08 17:03	mmm	8020504	SW 6010B
Barium	**120**		mg/kg dry	0.14	1	02/28/08 17:03	mmm	8020504	SW 6010B
Cadmium	**0.84**		mg/kg dry	0.12	1	02/28/08 17:03	mmm	8020504	SW 6010B
Chromium	**10**		mg/kg dry	0.22	1	02/28/08 17:03	mmm	8020504	SW 6010B
Lead	**530**		mg/kg dry	1.5	1	02/28/08 17:03	mmm	8020504	SW 6010B
Mercury	**0.42**		mg/kg dry	0.012	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<5.0		mg/kg dry	5.0	1	02/28/08 17:03	mmm	8020504	SW 6010B
Silver	**0.31**		mg/kg dry	0.14	1	02/28/08 17:03	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Bromobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Bromochloromethane	<44		ug/kg dry	44	1	02/29/08 13:43	lck	8020562	SW 8260B
Bromodichloromethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Bromoform	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/29/08 13:43	lck	8020562	SW 8260B
n-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
sec-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
tert-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Carbon Tetrachloride	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Chlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Chlorodibromomethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Chloroethane	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
Chloroform	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Chloromethane	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
2-Chlorotoluene	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
4-Chlorotoluene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Dibromomethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Dichlorodifluoromethane	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1-Dichloroethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2-Dichloroethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,3-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
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Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-05 (GP-3 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 12:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
2,2-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
2,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Isopropyl Ether	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Ethylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Hexachlorobutadiene	<44		ug/kg dry	44	1	02/29/08 13:43	lck	8020562	SW 8260B
Isopropylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
p-Isopropyltoluene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Methylene Chloride	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Naphthalene	**75**		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
n-Propylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Styrene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Tetrachloroethene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Toluene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<44		ug/kg dry	44	1	02/29/08 13:43	lck	8020562	SW 8260B
Trichloroethene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Trichlorofluoromethane	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<62		ug/kg dry	62	1	02/29/08 13:43	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<31		ug/kg dry	31	1	02/29/08 13:43	lck	8020562	SW 8260B
Vinyl chloride	<44		ug/kg dry	44	1	02/29/08 13:43	lck	8020562	SW 8260B
Xylenes, total	<110		ug/kg dry	110	1	02/29/08 13:43	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*99 %*								
Surr: Toluene-d8 (91-106%)	*98 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*99 %*								
General Chemistry Parameters									
% Solids	**80.3**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Acenaphthylene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Anthracene	**6.79**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzidine	<20.5		mg/kg dry	20.5	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzo (a) anthracene	**22.2**		mg/kg dry	20.5	49.1	03/06/08 13:04	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	**17.4**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	**17.8**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzo (a) pyrene	**21.7**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	**11.4**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzyl alcohol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C

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Work Order: WRB0772
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Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-05 (GP-3 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 12:00**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Carbazole	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Chloroaniline	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Chloronaphthalene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Chrysene	**23.2**		mg/kg dry	20.5	49.1	03/06/08 13:04	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	**4.27**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Dibenzofuran	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Di-n-butyl phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Diethyl phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Dimethyl phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Fluoranthene	**53.1**		mg/kg dry	20.5	49.1	03/06/08 13:04	dmd	8020961	SW 8270C
Fluorene	**2.15**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Hexachlorobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Hexachlorobutadiene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<4.11		mg/kg dry	4.11	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Hexachloroethane	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	**10.9**		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Isophorone	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Methylnaphthalene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Naphthalene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Nitroaniline	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
3-Nitroaniline	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Nitroaniline	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Nitrobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
N-Nitrosodimethylamine	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Phenanthrene	**28.4**		mg/kg dry	20.5	49.1	03/06/08 13:04	dmd	8020961	SW 8270C
Pyrene	**41.0**		mg/kg dry	20.5	49.1	03/06/08 13:04	dmd	8020961	SW 8270C
Pyridine	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Benzoic acid	<4.11		mg/kg dry	4.11	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Chlorophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Cresol(s)	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2-Nitrophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
4-Nitrophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Pentachlorophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Phenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-05 (GP-3 2-4 - Solid/Soil) - cont.						**Sampled: 02/25/08 12:00**			
Semivolatile Organics by GC/MS - cont.									
2,4,5-Trichlorophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<2.05		mg/kg dry	2.05	4.91	03/06/08 13:38	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*74 %*								
Surr: 2-Fluorobiphenyl (20-115%)	*81 %*								
Surr: Terphenyl-d14 (40-135%)	*101 %*								
Surr: Phenol-d6 (30-125%)	*79 %*								
Surr: 2-Fluorophenol (25-120%)	*68 %*								
Surr: 2,4,6-Tribromophenol (35-130%)	*84 %*								
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1221	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1232	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1242	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1248	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1254	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1260	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
PCB-1268	<0.0623		mg/kg dry	0.0623	0.981	02/29/08 18:55	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*81 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*78 %*								
Sample ID: WRB0772-06 (GP-3 6-8 - Solid/Soil)						**Sampled: 02/25/08 12:30**			
General Chemistry Parameters									
% Solids	**67**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**77**		mg/kg dry	38	1	03/04/08 15:42	pxm	8030053	SW 9251
Metals									
Arsenic	**8.7**		mg/kg dry	2.1	1	02/28/08 17:18	mmm	8020504	SW 6010B
Barium	**110**		mg/kg dry	0.17	1	02/28/08 17:18	mmm	8020504	SW 6010B
Cadmium	**0.48**		mg/kg dry	0.15	1	02/28/08 17:18	mmm	8020504	SW 6010B
Chromium	**5.5**		mg/kg dry	0.27	1	02/28/08 17:18	mmm	8020504	SW 6010B
Lead	**320**		mg/kg dry	1.8	1	02/28/08 17:18	mmm	8020504	SW 6010B
Mercury	**0.72**		mg/kg dry	0.015	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<6.0		mg/kg dry	6.0	1	02/28/08 17:18	mmm	8020504	SW 6010B
Silver	**0.38**		mg/kg dry	0.17	1	02/28/08 17:18	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Bromobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Bromochloromethane	<53		ug/kg dry	53	1	02/29/08 14:10	lck	8020562	SW 8260B
Bromodichloromethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Bromoform	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Bromomethane	<150		ug/kg dry	150	1	02/29/08 14:10	lck	8020562	SW 8260B
n-Butylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
sec-Butylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
tert-Butylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Carbon Tetrachloride	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Chlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Chlorodibromomethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Chloroethane	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
Chloroform	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Chloromethane	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
2-Chlorotoluene	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
4-Chlorotoluene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-06 (GP-3 6-8 - Solid/Soil) - cont. **Sampled: 02/25/08 12:30**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
1,2-Dibromoethane (EDB)	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Dibromomethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Dichlorodifluoromethane	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1-Dichloroethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2-Dichloroethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1-Dichloroethene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2-Dichloropropane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,3-Dichloropropane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
2,2-Dichloropropane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1-Dichloropropene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
2,3-Dichloropropene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Isopropyl Ether	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Ethylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Hexachlorobutadiene	<53		ug/kg dry	53	1	02/29/08 14:10	lck	8020562	SW 8260B
Isopropylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
p-Isopropyltoluene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Methylene Chloride	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Naphthalene	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
n-Propylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Styrene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Tetrachloroethene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Toluene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<53		ug/kg dry	53	1	02/29/08 14:10	lck	8020562	SW 8260B
Trichloroethene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Trichlorofluoromethane	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<75		ug/kg dry	75	1	02/29/08 14:10	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<38		ug/kg dry	38	1	02/29/08 14:10	lck	8020562	SW 8260B
Vinyl chloride	<53		ug/kg dry	53	1	02/29/08 14:10	lck	8020562	SW 8260B
Xylenes, total	<130		ug/kg dry	130	1	02/29/08 14:10	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								
Surr: Toluene-d8 (91-106%)	*98 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*99 %*								
PNAs by SW8310									
Acenaphthene	<940		ug/kg dry	940	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Acenaphthylene	<1600		ug/kg dry	1600	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Anthracene	**360**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Benzo (a) anthracene	**1000**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	**700**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-06 (GP-3 6-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 12:30**			
PNAs by SW8310 - cont.									
Benzo (k) fluoranthene	**480**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Benzo (a) pyrene	**1100**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	**510**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Chrysene	**160**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	<140		ug/kg dry	140	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Fluoranthene	**2200**		ug/kg dry	190	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Fluorene	<190		ug/kg dry	190	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Indeno (1,2,3-cd) pyrene	**690**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
1-Methylnaphthalene	<560		ug/kg dry	560	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
2-Methylnaphthalene	**770**		ug/kg dry	470	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Naphthalene	<560		ug/kg dry	560	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Phenanthrene	**940**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Pyrene	**2000**		ug/kg dry	94	12.5	03/04/08 20:39	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*126 %*								
General Chemistry Parameters									
% Solids	**66.6**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1221	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1232	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1242	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1248	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1254	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1260	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
PCB-1268	<0.0751		mg/kg dry	0.0751	0.999	02/29/08 19:05	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*74 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*99 %*								
Sample ID: WRB0772-07 (GP-4 0-2 - Solid/Soil)						**Sampled: 02/25/08 13:00**			
General Chemistry Parameters									
% Solids	**88**		%	NA	1	02/27/08 12:15	CLJ	8020508	SW 5035
Chloride	**200**		mg/kg dry	29	1	03/04/08 15:43	pxm	8030053	SW 9251
Metals									
Arsenic	**2.8**		mg/kg dry	1.6	1	02/28/08 17:22	mmm	8020504	SW 6010B
Barium	**54**		mg/kg dry	0.13	1	02/28/08 17:22	mmm	8020504	SW 6010B
Cadmium	<0.11		mg/kg dry	0.11	1	02/28/08 17:22	mmm	8020504	SW 6010B
Chromium	**12**		mg/kg dry	0.21	1	02/28/08 17:22	mmm	8020504	SW 6010B
Lead	**17**		mg/kg dry	1.4	1	02/28/08 17:22	mmm	8020504	SW 6010B
Mercury	**0.13**		mg/kg dry	0.011	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.6		mg/kg dry	4.6	1	02/28/08 17:22	mmm	8020504	SW 6010B
Silver	**0.31**		mg/kg dry	0.13	1	02/28/08 17:22	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Bromobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Bromochloromethane	<40		ug/kg dry	40	1	02/29/08 14:36	lck	8020562	SW 8260B
Bromodichloromethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Bromoform	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Bromomethane	<110		ug/kg dry	110	1	02/29/08 14:36	lck	8020562	SW 8260B
n-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
sec-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
tert-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Carbon Tetrachloride	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-07 (GP-4 0-2 - Solid/Soil) - cont. **Sampled: 02/25/08 13:00**

VOCs by SW8260B - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Chlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Chlorodibromomethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Chloroethane	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
Chloroform	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Chloromethane	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
2-Chlorotoluene	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
4-Chlorotoluene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Dibromomethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Dichlorodifluoromethane	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1-Dichloroethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2-Dichloroethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,3-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
2,2-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
2,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Isopropyl Ether	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Ethylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Hexachlorobutadiene	<40		ug/kg dry	40	1	02/29/08 14:36	lck	8020562	SW 8260B
Isopropylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
p-Isopropyltoluene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Methylene Chloride	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Naphthalene	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
n-Propylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Styrene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Tetrachloroethene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Toluene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<40		ug/kg dry	40	1	02/29/08 14:36	lck	8020562	SW 8260B
Trichloroethene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Trichlorofluoromethane	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<57		ug/kg dry	57	1	02/29/08 14:36	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<29		ug/kg dry	29	1	02/29/08 14:36	lck	8020562	SW 8260B
Vinyl chloride	<40		ug/kg dry	40	1	02/29/08 14:36	lck	8020562	SW 8260B
Xylenes, total	<97		ug/kg dry	97	1	02/29/08 14:36	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-07 (GP-4 0-2 - Solid/Soil) - cont.						**Sampled: 02/25/08 13:00**			
VOCs by SW8260B - cont.									
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*97 %*								
General Chemistry Parameters									
% Solids	**87.6**		%	0.100	1	02/27/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Acenaphthylene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Anthracene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzidine	<3.77		mg/kg dry	3.77	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzo (a) anthracene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzo (a) pyrene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzyl alcohol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Carbazole	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Chloroaniline	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Chloronaphthalene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Chrysene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Dibenzofuran	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Di-n-butyl phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Diethyl phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Dimethyl phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Fluoranthene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Fluorene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Hexachlorobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Hexachlorobutadiene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<0.753		mg/kg dry	0.753	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Hexachloroethane	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Isophorone	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Methylnaphthalene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Naphthalene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Nitroaniline	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
3-Nitroaniline	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Nitroaniline	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Nitrobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
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Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-07 (GP-4 0-2 - Solid/Soil) - cont. **Sampled: 02/25/08 13:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Semivolatile Organics by GC/MS - cont.									
N-Nitrosodimethylamine	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Phenanthrene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Pyrene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Pyridine	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Benzoic acid	<0.753		mg/kg dry	0.753	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Chlorophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Cresol(s)	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2-Nitrophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
4-Nitrophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Pentachlorophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Phenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4,5-Trichlorophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<0.377		mg/kg dry	0.377	0.998	03/05/08 01:21	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*81 %*								
Surr: 2-Fluorobiphenyl (20-115%)	*82 %*								
Surr: Terphenyl-d14 (40-135%)	*86 %*								
Surr: Phenol-d6 (30-125%)	*79 %*								
Surr: 2-Fluorophenol (25-120%)	*77 %*								
Surr: 2,4,6-Tribromophenol (35-130%)	*81 %*								
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1221	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1232	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1242	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1248	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1254	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1260	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
PCB-1268	<0.0571		mg/kg dry	0.0571	0.976	02/29/08 19:16	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*83 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*78 %*								

SIGMA ENVIRONMENTAL SERV. - Milwaukee
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Work Order: WRB0772
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Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-08 (GP-4 4-8 - Solid/Soil)						**Sampled: 02/25/08 13:00**			
General Chemistry Parameters									
% Solids	**77**		%	NA	1	03/03/08 14:12	CLJ	8030034	SW 5035
Chloride	**140**		mg/kg dry	33	1	03/04/08 15:43	pxm	8030053	SW 9251
Metals									
Arsenic	**9.3**		mg/kg dry	1.8	1	02/28/08 17:26	mmm	8020504	SW 6010B
Barium	**120**		mg/kg dry	0.14	1	02/28/08 17:26	mmm	8020504	SW 6010B
Cadmium	**0.40**		mg/kg dry	0.13	1	02/28/08 17:26	mmm	8020504	SW 6010B
Chromium	**9.9**		mg/kg dry	0.23	1	02/28/08 17:26	mmm	8020504	SW 6010B
Lead	**420**		mg/kg dry	1.6	1	02/28/08 17:26	mmm	8020504	SW 6010B
Mercury	**0.17**		mg/kg dry	0.013	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<5.2		mg/kg dry	5.2	1	02/28/08 17:26	mmm	8020504	SW 6010B
Silver	**0.42**		mg/kg dry	0.14	1	02/28/08 17:26	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Bromobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Bromochloromethane	<46		ug/kg dry	46	1	02/29/08 15:03	lck	8020562	SW 8260B
Bromodichloromethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Bromoform	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Bromomethane	<130		ug/kg dry	130	1	02/29/08 15:03	lck	8020562	SW 8260B
n-Butylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
sec-Butylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
tert-Butylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Carbon Tetrachloride	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Chlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Chlorodibromomethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Chloroethane	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
Chloroform	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Chloromethane	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
2-Chlorotoluene	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
4-Chlorotoluene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Dibromomethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Dichlorodifluoromethane	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1-Dichloroethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2-Dichloroethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1-Dichloroethene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2-Dichloropropane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,3-Dichloropropane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
2,2-Dichloropropane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1-Dichloropropene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
2,3-Dichloropropene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Isopropyl Ether	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Ethylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Hexachlorobutadiene	<46		ug/kg dry	46	1	02/29/08 15:03	lck	8020562	SW 8260B
Isopropylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-08 (GP-4 4-8 - Solid/Soil) - cont. **Sampled: 02/25/08 13:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
p-Isopropyltoluene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Methylene Chloride	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Naphthalene	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
n-Propylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Styrene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Tetrachloroethene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Toluene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<46		ug/kg dry	46	1	02/29/08 15:03	lck	8020562	SW 8260B
Trichloroethene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Trichlorofluoromethane	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<65		ug/kg dry	65	1	02/29/08 15:03	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<33		ug/kg dry	33	1	02/29/08 15:03	lck	8020562	SW 8260B
Vinyl chloride	<46		ug/kg dry	46	1	02/29/08 15:03	lck	8020562	SW 8260B
Xylenes, total	<110		ug/kg dry	110	1	02/29/08 15:03	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								
Surr: Toluene-d8 (91-106%)	*98 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*98 %*								
PNAs by SW8310									
Acenaphthene	**1200**		ug/kg dry	810	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Acenaphthylene	<1400		ug/kg dry	1400	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Anthracene	**2300**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Benzo (a) anthracene	**4200**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	**2900**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Benzo (k) fluoranthene	**1800**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Benzo (a) pyrene	**3900**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	**1900**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Chrysene	**2900**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	**450**		ug/kg dry	120	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Fluoranthene	**11000**		ug/kg dry	160	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Fluorene	**1000**		ug/kg dry	160	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Indeno (1,2,3-cd) pyrene	**2300**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
1-Methylnaphthalene	**770**		ug/kg dry	490	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
2-Methylnaphthalene	**5000**		ug/kg dry	410	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Naphthalene	**770**		ug/kg dry	490	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Phenanthrene	**8100**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Pyrene	**5900**		ug/kg dry	81	12.5	03/05/08 23:24	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*0.00 %*	*Z3*							
General Chemistry Parameters									
% Solids	**76.8**		%	0.100	1	03/03/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<1.30		mg/kg dry	1.30	19.7	03/03/08 18:57	slt	8020909	SW 8082
PCB-1221	<1.30		mg/kg dry	1.30	19.7	03/03/08 18:57	slt	8020909	SW 8082
PCB-1232	<1.30		mg/kg dry	1.30	19.7	03/03/08 18:57	slt	8020909	SW 8082
PCB-1242	<1.30		mg/kg dry	1.30	19.7	03/03/08 18:57	slt	8020909	SW 8082

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
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Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-08RE1 (GP-4 4-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 13:00**			
Polychlorinated Biphenyls by EPA Method 8082 - cont.									
PCB-1248	<1.30		mg/kg dry	1.30	19.7	03/03/08 18:57	slt	8020909	SW 8082
PCB-1254	<0.0651		mg/kg dry	0.0651	0.985	02/29/08 19:27	slt	8020909	SW 8082
PCB-1260	<0.0651		mg/kg dry	0.0651	0.985	02/29/08 19:27	slt	8020909	SW 8082
PCB-1268	<0.0651		mg/kg dry	0.0651	0.985	02/29/08 19:27	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*91 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*267 %*	*ZX*							
Sample ID: WRB0772-09 (GP-5 2-4 - Solid/Soil)						**Sampled: 02/25/08 14:00**			
General Chemistry Parameters									
% Solids	**90**		%	NA	1	03/03/08 14:12	CLJ	8030034	SW 5035
Chloride	**83**		mg/kg dry	28	1	03/04/08 15:44	pxm	8030053	SW 9251
Metals									
Arsenic	**5.7**		mg/kg dry	1.6	1	02/28/08 17:30	mmm	8020504	SW 6010B
Barium	**30**		mg/kg dry	0.12	1	02/28/08 17:30	mmm	8020504	SW 6010B
Cadmium	**0.12**		mg/kg dry	0.11	1	02/28/08 17:30	mmm	8020504	SW 6010B
Chromium	**7.6**		mg/kg dry	0.20	1	02/28/08 17:30	mmm	8020504	SW 6010B
Lead	**37**		mg/kg dry	1.3	1	02/28/08 17:30	mmm	8020504	SW 6010B
Mercury	**0.22**		mg/kg dry	0.011	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.4		mg/kg dry	4.4	1	02/28/08 17:30	mmm	8020504	SW 6010B
Silver	**0.20**		mg/kg dry	0.12	1	02/28/08 17:30	mmm	8020504	SW 6010B
VOCs by SW8260B									
Benzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Bromobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Bromochloromethane	<39		ug/kg dry	39	1	02/29/08 15:30	lck	8020562	SW 8260B
Bromodichloromethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Bromoform	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Bromomethane	<110		ug/kg dry	110	1	02/29/08 15:30	lck	8020562	SW 8260B
n-Butylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
sec-Butylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
tert-Butylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Carbon Tetrachloride	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Chlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Chlorodibromomethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Chloroethane	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
Chloroform	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Chloromethane	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
2-Chlorotoluene	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
4-Chlorotoluene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Dibromomethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Dichlorodifluoromethane	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1-Dichloroethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2-Dichloroethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1-Dichloroethene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2-Dichloropropane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,3-Dichloropropane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-09 (GP-5 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 14:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
2,2-Dichloropropane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1-Dichloropropene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
2,3-Dichloropropene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Isopropyl Ether	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Ethylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Hexachlorobutadiene	<39		ug/kg dry	39	1	02/29/08 15:30	lck	8020562	SW 8260B
Isopropylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
p-Isopropyltoluene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Methylene Chloride	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Naphthalene	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
n-Propylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Styrene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Tetrachloroethene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Toluene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<39		ug/kg dry	39	1	02/29/08 15:30	lck	8020562	SW 8260B
Trichloroethene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Trichlorofluoromethane	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<55		ug/kg dry	55	1	02/29/08 15:30	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<28		ug/kg dry	28	1	02/29/08 15:30	lck	8020562	SW 8260B
Vinyl chloride	<39		ug/kg dry	39	1	02/29/08 15:30	lck	8020562	SW 8260B
Xylenes, total	<94		ug/kg dry	94	1	02/29/08 15:30	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*97 %*								
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*97 %*								
General Chemistry Parameters									
% Solids	**90.1**		%	0.100	1	03/03/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Acenaphthylene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Anthracene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzidine	<18.3	RL1	mg/kg dry	18.3	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzo (a) anthracene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzo (a) pyrene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzyl alcohol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-09 (GP-5 2-4 - Solid/Soil) - cont. **Sampled: 02/25/08 14:00**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Carbazole	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Chloroaniline	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Chloronaphthalene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Chrysene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Dibenzofuran	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Di-n-butyl phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Diethyl phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Dimethyl phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Fluoranthene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Fluorene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Hexachlorobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Hexachlorobutadiene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<3.66	RL1	mg/kg dry	3.66	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Hexachloroethane	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Isophorone	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Methylnaphthalene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Naphthalene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Nitroaniline	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
3-Nitroaniline	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Nitroaniline	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Nitrobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
N-Nitrosodimethylamine	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Phenanthrene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Pyrene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Pyridine	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Benzoic acid	<3.66	RL1	mg/kg dry	3.66	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Chlorophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Cresol(s)	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2-Nitrophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
4-Nitrophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Pentachlorophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Phenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-09 (GP-5 2-4 - Solid/Soil) - cont.						**Sampled: 02/25/08 14:00**			
Semivolatile Organics by GC/MS - cont.									
2,4,5-Trichlorophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<1.83	RL1	mg/kg dry	1.83	4.95	03/05/08 02:29	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*79 %*	*RL1*							
Surr: 2-Fluorobiphenyl (20-115%)	*83 %*	*RL1*							
Surr: Terphenyl-d14 (40-135%)	*87 %*	*RL1*							
Surr: Phenol-d6 (30-125%)	*80 %*	*RL1*							
Surr: 2-Fluorophenol (25-120%)	*74 %*	*RL1*							
Surr: 2,4,6-Tribromophenol (35-130%)	*80 %*	*RL1*							
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1221	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1232	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1242	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1248	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1254	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1260	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
PCB-1268	<0.0555		mg/kg dry	0.0555	0.984	02/29/08 19:37	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*86 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*84 %*								
Sample ID: WRB0772-10 (GP-5 6-8 - Solid/Soil)						**Sampled: 02/25/08 14:30**			
General Chemistry Parameters									
% Solids	**81**		%	NA	1	03/03/08 14:12	CLJ	8030034	SW 5035
Chloride	**91**		mg/kg dry	31	1	03/04/08 15:45	pxm	8030053	SW 9251
Metals									
Arsenic	**17**		mg/kg dry	1.7	1	03/04/08 12:32	mmm	8030022	SW 6010B
Barium	**58**		mg/kg dry	0.14	1	03/04/08 12:32	mmm	8030022	SW 6010B
Cadmium	**0.93**		mg/kg dry	0.12	1	03/04/08 12:32	mmm	8030022	SW 6010B
Chromium	**4.3**		mg/kg dry	0.22	1	03/04/08 12:32	mmm	8030022	SW 6010B
Lead	**68**		mg/kg dry	1.5	1	03/04/08 12:32	mmm	8030022	SW 6010B
Mercury	**0.18**		mg/kg dry	0.012	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<5.0		mg/kg dry	5.0	1	03/04/08 12:32	mmm	8030022	SW 6010B
Silver	<0.14		mg/kg dry	0.14	1	03/04/08 12:32	mmm	8030022	SW 6010B
VOCs by SW8260B									
Benzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Bromobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Bromochloromethane	<43		ug/kg dry	43	1	02/29/08 15:57	lck	8020562	SW 8260B
Bromodichloromethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Bromoform	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/29/08 15:57	lck	8020562	SW 8260B
n-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
sec-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
tert-Butylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Carbon Tetrachloride	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Chlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Chlorodibromomethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Chloroethane	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
Chloroform	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Chloromethane	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
2-Chlorotoluene	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
4-Chlorotoluene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-10 (GP-5 6-8 - Solid/Soil) - cont. **Sampled: 02/25/08 14:30**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
1,2-Dibromoethane (EDB)	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Dibromomethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Dichlorodifluoromethane	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1-Dichloroethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2-Dichloroethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,3-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
2,2-Dichloropropane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
2,3-Dichloropropene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Isopropyl Ether	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Ethylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Hexachlorobutadiene	<43		ug/kg dry	43	1	02/29/08 15:57	lck	8020562	SW 8260B
Isopropylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
p-Isopropyltoluene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Methylene Chloride	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Naphthalene	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
n-Propylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Styrene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Tetrachloroethene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Toluene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<43		ug/kg dry	43	1	02/29/08 15:57	lck	8020562	SW 8260B
Trichloroethene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Trichlorofluoromethane	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<62		ug/kg dry	62	1	02/29/08 15:57	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<31		ug/kg dry	31	1	02/29/08 15:57	lck	8020562	SW 8260B
Vinyl chloride	<43		ug/kg dry	43	1	02/29/08 15:57	lck	8020562	SW 8260B
Xylenes, total	<110		ug/kg dry	110	1	02/29/08 15:57	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								
Surr: Toluene-d8 (91-106%)	*98 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*96 %*								
PNAs by SW8310									
Acenaphthene	<7800		ug/kg dry	7800	125	03/04/08 19:34	CLJ	8020499	SW 8310
Acenaphthylene	<13000		ug/kg dry	13000	125	03/04/08 19:34	CLJ	8020499	SW 8310
Anthracene	**3400**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Benzo (a) anthracene	**5400**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	**3200**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-10 (GP-5 6-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 14:30**			
PNAs by SW8310 - cont.									
Benzo (k) fluoranthene	**2100**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Benzo (a) pyrene	**5000**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	**2600**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Chrysene	**4300**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	<1200		ug/kg dry	1200	125	03/04/08 19:34	CLJ	8020499	SW 8310
Fluoranthene	**17000**		ug/kg dry	1600	125	03/04/08 19:34	CLJ	8020499	SW 8310
Fluorene	**1900**		ug/kg dry	1600	125	03/04/08 19:34	CLJ	8020499	SW 8310
Indeno (1,2,3-cd) pyrene	**3200**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
1-Methylnaphthalene	<4700		ug/kg dry	4700	125	03/04/08 19:34	CLJ	8020499	SW 8310
2-Methylnaphthalene	**6500**		ug/kg dry	3900	125	03/04/08 19:34	CLJ	8020499	SW 8310
Naphthalene	<4700		ug/kg dry	4700	125	03/04/08 19:34	CLJ	8020499	SW 8310
Phenanthrene	**17000**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Pyrene	**17000**		ug/kg dry	780	125	03/04/08 19:34	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*0.00 %*	*Z3*							
General Chemistry Parameters									
% Solids	**80.6**		%	0.100	1	03/03/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1221	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1232	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1242	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1248	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1254	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1260	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
PCB-1268	<0.0620		mg/kg dry	0.0620	0.994	02/29/08 19:48	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*89 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*85 %*								
Sample ID: WRB0772-11 (GP-6 0-2 - Solid/Soil)						**Sampled: 02/25/08 15:00**			
General Chemistry Parameters									
% Solids	**82**		%	NA	1	03/03/08 14:12	CLJ	8030034	SW 5035
Chloride	**61**		mg/kg dry	30	1	03/04/08 15:46	pxm	8030053	SW 9251
Metals									
Arsenic	**8.6**		mg/kg dry	1.7	1	03/04/08 12:44	mmm	8030022	SW 6010B
Barium	**69**		mg/kg dry	0.13	1	03/04/08 12:44	mmm	8030022	SW 6010B
Cadmium	**0.49**		mg/kg dry	0.12	1	03/04/08 12:44	mmm	8030022	SW 6010B
Chromium	**12**		mg/kg dry	0.22	1	03/04/08 12:44	mmm	8030022	SW 6010B
Lead	**130**		mg/kg dry	1.5	1	03/04/08 12:44	mmm	8030022	SW 6010B
Mercury	**0.14**		mg/kg dry	0.012	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.9		mg/kg dry	4.9	1	03/04/08 12:44	mmm	8030022	SW 6010B
Silver	<0.13		mg/kg dry	0.13	1	03/04/08 12:44	mmm	8030022	SW 6010B
VOCs by SW8260B									
Benzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Bromobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Bromochloromethane	<43		ug/kg dry	43	1	02/29/08 16:24	lck	8020562	SW 8260B
Bromodichloromethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Bromoform	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/29/08 16:24	lck	8020562	SW 8260B
n-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
sec-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
tert-Butylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Carbon Tetrachloride	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
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Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-11 (GP-6 0-2 - Solid/Soil) - cont. **Sampled: 02/25/08 15:00**

VOCs by SW8260B - cont.

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Chlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Chlorodibromomethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Chloroethane	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
Chloroform	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Chloromethane	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
2-Chlorotoluene	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
4-Chlorotoluene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Dibromomethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Dichlorodifluoromethane	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1-Dichloroethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2-Dichloroethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,3-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
2,2-Dichloropropane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
2,3-Dichloropropene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Isopropyl Ether	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Ethylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Hexachlorobutadiene	<43		ug/kg dry	43	1	02/29/08 16:24	lck	8020562	SW 8260B
Isopropylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
p-Isopropyltoluene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Methylene Chloride	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Naphthalene	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
n-Propylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Styrene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Tetrachloroethene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Toluene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<43		ug/kg dry	43	1	02/29/08 16:24	lck	8020562	SW 8260B
Trichloroethene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Trichlorofluoromethane	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<61		ug/kg dry	61	1	02/29/08 16:24	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<30		ug/kg dry	30	1	02/29/08 16:24	lck	8020562	SW 8260B
Vinyl chloride	<43		ug/kg dry	43	1	02/29/08 16:24	lck	8020562	SW 8260B
Xylenes, total	<100		ug/kg dry	100	1	02/29/08 16:24	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*97 %*								

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Work Order: WRB0772
Project: 10813 City of Milwaukee
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Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-11 (GP-6 0-2 - Solid/Soil) - cont. **Sampled: 02/25/08 15:00**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
VOCs by SW8260B - cont.									
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*97 %*								
General Chemistry Parameters									
% Solids	**82.2**		%	0.100	1	03/03/08 00:00	am	8030134	SM 2540 G
Semivolatile Organics by GC/MS									
Acenaphthene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Acenaphthylene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Anthracene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzidine	<20.1		mg/kg dry	20.1	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzo (a) anthracene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzo (b) fluoranthene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzo (k) fluoranthene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzo (a) pyrene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzo (g,h,i) perylene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzyl alcohol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Butyl benzyl phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Bis(2-chloroethyl)ether	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Bis(2-chloroethoxy)methane	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Bis(2-ethylhexyl)phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Bis(2-chloroisopropyl) ether	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Bromophenyl phenyl ether	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Carbazole	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Chloroaniline	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Chloronaphthalene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Chlorophenyl phenyl ether	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Chrysene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Dibenzo (a,h) anthracene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Dibenzofuran	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Di-n-butyl phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
1,2-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
1,3-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
1,4-Dichlorobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
3,3'-Dichlorobenzidine	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Diethyl phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Dimethyl phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4-Dinitrotoluene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,6-Dinitrotoluene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Di-n-octyl phthalate	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Fluoranthene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Fluorene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Hexachlorobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Hexachlorobutadiene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Hexachlorocyclopentadiene	<4.01		mg/kg dry	4.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Hexachloroethane	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Indeno (1,2,3-cd) pyrene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Isophorone	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Methylnaphthalene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Naphthalene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Nitroaniline	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
3-Nitroaniline	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Nitroaniline	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Nitrobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C

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Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-11 (GP-6 0-2 - Solid/Soil) - cont.						**Sampled: 02/25/08 15:00**			
Semivolatile Organics by GC/MS - cont.									
N-Nitrosodimethylamine	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
N-Nitrosodiphenylamine	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
N-Nitrosodi-n-propylamine	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Phenanthrene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Pyrene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Pyridine	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
1,2,4-Trichlorobenzene	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Benzoic acid	<4.01		mg/kg dry	4.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Chloro-3-methylphenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Chlorophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Cresol(s)	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4-Dichlorophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4-Dimethylphenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4-Dinitrophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4,6-Dinitro-2-methylphenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Methylphenol (o-Cresol)	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Methylphenol (p-Cresol)	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2-Nitrophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
4-Nitrophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Pentachlorophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Phenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4,5-Trichlorophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
2,4,6-Trichlorophenol	<2.01		mg/kg dry	2.01	4.94	03/05/08 03:38	dmd	8020961	SW 8270C
Surr: Nitrobenzene-d5 (25-110%)	*63 %*								
Surr: 2-Fluorobiphenyl (20-115%)	*70 %*								
Surr: Terphenyl-d14 (40-135%)	*84 %*								
Surr: Phenol-d6 (30-125%)	*66 %*								
Surr: 2-Fluorophenol (25-120%)	*63 %*								
Surr: 2,4,6-Tribromophenol (35-130%)	*81 %*								
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1221	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1232	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1242	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1248	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1254	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1260	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
PCB-1268	<0.0608		mg/kg dry	0.0608	0.997	02/29/08 19:59	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*87 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*86 %*								

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Sample ID: WRB0772-12 (GP-6 6-8 - Solid/Soil) **Sampled: 02/25/08 15:30**

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
General Chemistry Parameters									
% Solids	**86**		%	NA	1	03/03/08 14:12	CLJ	8030034	SW 5035
Chloride	**64**		mg/kg dry	29	1	03/04/08 15:47	pxm	8030053	SW 9251
Metals									
Arsenic	**6.3**		mg/kg dry	1.6	1	03/04/08 12:48	mmm	8030022	SW 6010B
Barium	**61**		mg/kg dry	0.13	1	03/04/08 12:48	mmm	8030022	SW 6010B
Cadmium	<0.12		mg/kg dry	0.12	1	03/04/08 12:48	mmm	8030022	SW 6010B
Chromium	**8.5**		mg/kg dry	0.21	1	03/04/08 12:48	mmm	8030022	SW 6010B
Lead	**430**		mg/kg dry	1.4	1	03/04/08 12:48	mmm	8030022	SW 6010B
Mercury	**0.27**		mg/kg dry	0.012	1	03/05/08 15:36	jej	8020571	EPA 245.5
Selenium	<4.6		mg/kg dry	4.6	1	03/04/08 12:48	mmm	8030022	SW 6010B
Silver	<0.13		mg/kg dry	0.13	1	03/04/08 12:48	mmm	8030022	SW 6010B
VOCs by SW8260B									
Benzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Bromobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Bromochloromethane	<40		ug/kg dry	40	1	02/29/08 16:51	lck	8020562	SW 8260B
Bromodichloromethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Bromoform	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	02/29/08 16:51	lck	8020562	SW 8260B
n-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
sec-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
tert-Butylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Carbon Tetrachloride	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Chlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Chlorodibromomethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Chloroethane	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
Chloroform	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Chloromethane	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
2-Chlorotoluene	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
4-Chlorotoluene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2-Dibromo-3-chloropropane	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2-Dibromoethane (EDB)	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Dibromomethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,3-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,4-Dichlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Dichlorodifluoromethane	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1-Dichloroethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2-Dichloroethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
cis-1,2-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
trans-1,2-Dichloroethene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,3-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
2,2-Dichloropropane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
cis-1,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
trans-1,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
2,3-Dichloropropene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Isopropyl Ether	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Ethylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Hexachlorobutadiene	<40		ug/kg dry	40	1	02/29/08 16:51	lck	8020562	SW 8260B
Isopropylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-12 (GP-6 6-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 15:30**			
VOCs by SW8260B - cont.									
p-Isopropyltoluene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Methylene Chloride	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
Methyl tert-Butyl Ether	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Naphthalene	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
n-Propylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Styrene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1,1,2-Tetrachloroethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1,2,2-Tetrachloroethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Tetrachloroethene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Toluene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2,3-Trichlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2,4-Trichlorobenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1,1-Trichloroethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,1,2-Trichloroethane	<40		ug/kg dry	40	1	02/29/08 16:51	lck	8020562	SW 8260B
Trichloroethene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Trichlorofluoromethane	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2,3-Trichloropropane	<58		ug/kg dry	58	1	02/29/08 16:51	lck	8020562	SW 8260B
1,2,4-Trimethylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
1,3,5-Trimethylbenzene	<29		ug/kg dry	29	1	02/29/08 16:51	lck	8020562	SW 8260B
Vinyl chloride	<40		ug/kg dry	40	1	02/29/08 16:51	lck	8020562	SW 8260B
Xylenes, total	<98		ug/kg dry	98	1	02/29/08 16:51	lck	8020562	SW 8260B
Surr: Dibromofluoromethane (82-112%)	*98 %*								
Surr: Toluene-d8 (91-106%)	*99 %*								
Surr: 4-Bromofluorobenzene (89-110%)	*98 %*								
PNAs by SW8310									
Acenaphthene	**880**		ug/kg dry	720	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Acenaphthylene	<1200		ug/kg dry	1200	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Anthracene	**2800**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Benzo (a) anthracene	**5400**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Benzo (b) fluoranthene	**2800**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Benzo (k) fluoranthene	**1600**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Benzo (a) pyrene	**3600**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Benzo (g,h,i) perylene	**1900**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Chrysene	**3200**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Dibenzo (a,h) anthracene	**380**		ug/kg dry	110	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Fluoranthene	**12000**		ug/kg dry	140	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Fluorene	**1400**		ug/kg dry	140	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Indeno (1,2,3-cd) pyrene	**2300**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
1-Methylnaphthalene	**1100**		ug/kg dry	430	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
2-Methylnaphthalene	**6500**		ug/kg dry	360	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Naphthalene	**1500**		ug/kg dry	430	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Phenanthrene	**10000**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Pyrene	**10000**		ug/kg dry	72	12.5	03/04/08 18:30	CLJ	8020499	SW 8310
Surr: 2-Fluorobiphenyl (61-128%)	*0.00 %*	*Z3*							
General Chemistry Parameters									
% Solids	**86.5**		%	0.100	1	03/03/08 00:00	am	8030134	SM 2540 G
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1221	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1232	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1242	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRB0772-12 (GP-6 6-8 - Solid/Soil) - cont.						**Sampled: 02/25/08 15:30**			
Polychlorinated Biphenyls by EPA Method 8082 - cont.									
PCB-1248	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1254	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1260	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
PCB-1268	<0.0578		mg/kg dry	0.0578	0.997	02/29/08 20:09	slt	8020909	SW 8082
Surr: Decachlorobiphenyl (59-140%)	*87 %*								
Surr: Tetrachloro-meta-xylene (46-136%)	*83 %*								

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
PNAs by SW8310							
SW 8310	8020499	WRB0772-02	25	3	02/27/08 09:35	TLH	SW 3550B
SW 8310	8020499	WRB0772-04	25	2	02/27/08 09:35	TLH	SW 3550B
SW 8310	8020499	WRB0772-06	25	3	02/27/08 09:35	TLH	SW 3550B
SW 8310	8020499	WRB0772-08	25	3	02/27/08 09:35	TLH	SW 3550B
SW 8310	8020499	WRB0772-10	25	3	02/27/08 09:35	TLH	SW 3550B
SW 8310	8020499	WRB0772-12	25	3	02/27/08 09:35	TLH	SW 3550B
Polychlorinated Biphenyls by EPA Method 8082							
SW 8082	8020909	WRB0772-01	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-02	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-03	31	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-04	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-05	31	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-06	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-07	31	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-08	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-09	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-10	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-11	30	10	02/28/08 12:04	AM	SW 3550B GC
SW 8082	8020909	WRB0772-12	30	10	02/28/08 12:04	AM	SW 3550B GC
Semivolatile Organics by GC/MS							
SW 8270C	8020961	WRB0772-01	30	1	02/29/08 12:37	AM	SW 3550B GCMS
SW 8270C	8020961	WRB0772-03	30	1	02/29/08 12:37	AM	SW 3550B GCMS
SW 8270C	8020961	WRB0772-05	31	1	02/29/08 12:37	AM	SW 3550B GCMS
SW 8270C	8020961	WRB0772-07	30	1	02/29/08 12:37	AM	SW 3550B GCMS
SW 8270C	8020961	WRB0772-09	30	1	02/29/08 12:37	AM	SW 3550B GCMS
SW 8270C	8020961	WRB0772-11	30	1	02/29/08 12:37	AM	SW 3550B GCMS

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters														
Chloride	8030053			mg/kg wet	N/A	25	<25							
Metals														
Arsenic	8020504			mg/kg wet	N/A	1.4	<1.4							
Barium	8020504			mg/kg wet	N/A	0.11	<0.11							
Cadmium	8020504			mg/kg wet	N/A	0.10	<0.10							
Chromium	8020504			mg/kg wet	N/A	0.18	<0.18							
Lead	8020504			mg/kg wet	N/A	1.2	<1.2							
Selenium	8020504			mg/kg wet	N/A	4.0	<4.0							
Silver	8020504			mg/kg wet	N/A	0.11	<0.11							
Mercury	8020571			mg/kg wet	N/A	0.010	<0.010							
Arsenic	8030022			mg/kg wet	N/A	1.4	<1.4							
Barium	8030022			mg/kg wet	N/A	0.11	<0.11							
Cadmium	8030022			mg/kg wet	N/A	0.10	<0.10							
Chromium	8030022			mg/kg wet	N/A	0.18	<0.18							
Lead	8030022			mg/kg wet	N/A	1.2	<1.2							
Selenium	8030022			mg/kg wet	N/A	4.0	<4.0							
Silver	8030022			mg/kg wet	N/A	0.11	<0.11							
VOCs by SW8260B														
Benzene	8020500			ug/kg wet	N/A	25	<25							
Bromobenzene	8020500			ug/kg wet	N/A	25	<25							
Bromochloromethane	8020500			ug/kg wet	N/A	35	<35							
Bromodichloromethane	8020500			ug/kg wet	N/A	25	<25							
Bromoform	8020500			ug/kg wet	N/A	25	<25							
Bromomethane	8020500			ug/kg wet	N/A	100	<100							
n-Butylbenzene	8020500			ug/kg wet	N/A	25	<25							
sec-Butylbenzene	8020500			ug/kg wet	N/A	25	<25							
tert-Butylbenzene	8020500			ug/kg wet	N/A	25	<25							
Carbon Tetrachloride	8020500			ug/kg wet	N/A	25	<25							
Chlorobenzene	8020500			ug/kg wet	N/A	25	<25							
Chlorodibromomethane	8020500			ug/kg wet	N/A	25	<25							
Chloroethane	8020500			ug/kg wet	N/A	50	<50							
Chloroform	8020500			ug/kg wet	N/A	25	<25							
Chloromethane	8020500			ug/kg wet	N/A	50	<50							
2-Chlorotoluene	8020500			ug/kg wet	N/A	50	<50							
4-Chlorotoluene	8020500			ug/kg wet	N/A	25	<25							
1,2-Dibromo-3-chloropropane	8020500			ug/kg wet	N/A	50	<50							
1,2-Dibromoethane (EDB)	8020500			ug/kg wet	N/A	25	<25							
Dibromomethane	8020500			ug/kg wet	N/A	25	<25							
1,2-Dichlorobenzene	8020500			ug/kg wet	N/A	25	<25							
1,3-Dichlorobenzene	8020500			ug/kg wet	N/A	25	<25							
1,4-Dichlorobenzene	8020500			ug/kg wet	N/A	25	<25							
Dichlorodifluoromethane	8020500			ug/kg wet	N/A	50	<50							C9
1,1-Dichloroethane	8020500			ug/kg wet	N/A	25	<25							
1,2-Dichloroethane	8020500			ug/kg wet	N/A	25	<25							
1,1-Dichloroethene	8020500			ug/kg wet	N/A	25	<25							

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
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Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
cis-1,2-Dichloroethene	8020500			ug/kg wet	N/A	25	<25							
trans-1,2-Dichloroethene	8020500			ug/kg wet	N/A	25	<25							
1,2-Dichloropropane	8020500			ug/kg wet	N/A	25	<25							
1,3-Dichloropropane	8020500			ug/kg wet	N/A	25	<25							
2,2-Dichloropropane	8020500			ug/kg wet	N/A	25	<25							
1,1-Dichloropropene	8020500			ug/kg wet	N/A	25	<25							
cis-1,3-Dichloropropene	8020500			ug/kg wet	N/A	25	<25							
trans-1,3-Dichloropropene	8020500			ug/kg wet	N/A	25	<25							
2,3-Dichloropropene	8020500			ug/kg wet	N/A	25	<25							
Isopropyl Ether	8020500			ug/kg wet	N/A	25	<25							
Ethylbenzene	8020500			ug/kg wet	N/A	25	<25							
Hexachlorobutadiene	8020500			ug/kg wet	N/A	35	<35							
Isopropylbenzene	8020500			ug/kg wet	N/A	25	<25							
p-Isopropyltoluene	8020500			ug/kg wet	N/A	25	<25							
Methylene Chloride	8020500			ug/kg wet	N/A	50	<50							
Methyl tert-Butyl Ether	8020500			ug/kg wet	N/A	25	<25							
Naphthalene	8020500			ug/kg wet	N/A	50	<50							
n-Propylbenzene	8020500			ug/kg wet	N/A	25	<25							
Styrene	8020500			ug/kg wet	N/A	25	<25							
1,1,1,2-Tetrachloroethane	8020500			ug/kg wet	N/A	25	<25							
1,1,2,2-Tetrachloroethane	8020500			ug/kg wet	N/A	25	<25							
Tetrachloroethene	8020500			ug/kg wet	N/A	25	<25							
Toluene	8020500			ug/kg wet	N/A	25	<25							
1,2,3-Trichlorobenzene	8020500			ug/kg wet	N/A	25	<25							
1,2,4-Trichlorobenzene	8020500			ug/kg wet	N/A	25	<25							
1,1,1-Trichloroethane	8020500			ug/kg wet	N/A	25	<25							
1,1,2-Trichloroethane	8020500			ug/kg wet	N/A	35	<35							
Trichloroethene	8020500			ug/kg wet	N/A	25	<25							
Trichlorofluoromethane	8020500			ug/kg wet	N/A	25	<25							
1,2,3-Trichloropropane	8020500			ug/kg wet	N/A	50	<50							
1,2,4-Trimethylbenzene	8020500			ug/kg wet	N/A	25	<25							
1,3,5-Trimethylbenzene	8020500			ug/kg wet	N/A	25	<25							
Vinyl chloride	8020500			ug/kg wet	N/A	35	<35							
Xylenes, total	8020500			ug/kg wet	N/A	85	<85							
Surrogate: Dibromofluoromethane	*8020500*			ug/kg wet					*94*		*82-112*			
Surrogate: Toluene-d8	*8020500*			ug/kg wet					*99*		*91-106*			
Surrogate: 4-Bromofluorobenzene	*8020500*			ug/kg wet					*96*		*89-110*			
Benzene	8020562			ug/kg wet	N/A	25	<25							
Bromobenzene	8020562			ug/kg wet	N/A	25	<25							
Bromochloromethane	8020562			ug/kg wet	N/A	35	<35							
Bromodichloromethane	8020562			ug/kg wet	N/A	25	<25							
Bromoform	8020562			ug/kg wet	N/A	25	<25							
Bromomethane	8020562			ug/kg wet	N/A	100	<100							
n-Butylbenzene	8020562			ug/kg wet	N/A	25	<25							

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Received: 02/26/08
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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
sec-Butylbenzene	8020562			ug/kg wet	N/A	25	<25							
tert-Butylbenzene	8020562			ug/kg wet	N/A	25	<25							
Carbon Tetrachloride	8020562			ug/kg wet	N/A	25	<25							
Chlorobenzene	8020562			ug/kg wet	N/A	25	<25							
Chlorodibromomethane	8020562			ug/kg wet	N/A	25	<25							
Chloroethane	8020562			ug/kg wet	N/A	50	<50							
Chloroform	8020562			ug/kg wet	N/A	25	<25							
Chloromethane	8020562			ug/kg wet	N/A	50	<50							
2-Chlorotoluene	8020562			ug/kg wet	N/A	50	<50							
4-Chlorotoluene	8020562			ug/kg wet	N/A	25	<25							
1,2-Dibromo-3-chloropropane	8020562			ug/kg wet	N/A	50	<50							
1,2-Dibromoethane (EDB)	8020562			ug/kg wet	N/A	25	<25							
Dibromomethane	8020562			ug/kg wet	N/A	25	<25							
1,2-Dichlorobenzene	8020562			ug/kg wet	N/A	25	<25							
1,3-Dichlorobenzene	8020562			ug/kg wet	N/A	25	<25							
1,4-Dichlorobenzene	8020562			ug/kg wet	N/A	25	<25							
Dichlorodifluoromethane	8020562			ug/kg wet	N/A	50	<50							
1,1-Dichloroethane	8020562			ug/kg wet	N/A	25	<25							
1,2-Dichloroethane	8020562			ug/kg wet	N/A	25	<25							
1,1-Dichloroethene	8020562			ug/kg wet	N/A	25	<25							
cis-1,2-Dichloroethene	8020562			ug/kg wet	N/A	25	<25							
trans-1,2-Dichloroethene	8020562			ug/kg wet	N/A	25	<25							
1,2-Dichloropropane	8020562			ug/kg wet	N/A	25	<25							
1,3-Dichloropropane	8020562			ug/kg wet	N/A	25	<25							
2,2-Dichloropropane	8020562			ug/kg wet	N/A	25	<25							
1,1-Dichloropropene	8020562			ug/kg wet	N/A	25	<25							
cis-1,3-Dichloropropene	8020562			ug/kg wet	N/A	25	<25							
trans-1,3-Dichloropropene	8020562			ug/kg wet	N/A	25	<25							
2,3-Dichloropropene	8020562			ug/kg wet	N/A	25	<25							
Isopropyl Ether	8020562			ug/kg wet	N/A	25	<25							
Ethylbenzene	8020562			ug/kg wet	N/A	25	<25							
Hexachlorobutadiene	8020562			ug/kg wet	N/A	35	<35							
Isopropylbenzene	8020562			ug/kg wet	N/A	25	<25							
p-Isopropyltoluene	8020562			ug/kg wet	N/A	25	<25							
Methylene Chloride	8020562			ug/kg wet	N/A	50	<50							
Methyl tert-Butyl Ether	8020562			ug/kg wet	N/A	25	<25							
Naphthalene	8020562			ug/kg wet	N/A	50	<50							
n-Propylbenzene	8020562			ug/kg wet	N/A	25	<25							
Styrene	8020562			ug/kg wet	N/A	25	<25							
1,1,1,2-Tetrachloroethane	8020562			ug/kg wet	N/A	25	<25							
1,1,2,2-Tetrachloroethane	8020562			ug/kg wet	N/A	25	<25							
Tetrachloroethene	8020562			ug/kg wet	N/A	25	<25							
Toluene	8020562			ug/kg wet	N/A	25	<25							
1,2,3-Trichlorobenzene	8020562			ug/kg wet	N/A	25	<25							
1,2,4-Trichlorobenzene	8020562			ug/kg wet	N/A	25	<25							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
1,1,1-Trichloroethane	8020562			ug/kg wet	N/A	25	<25							
1,1,2-Trichloroethane	8020562			ug/kg wet	N/A	35	<35							
Trichloroethene	8020562			ug/kg wet	N/A	25	<25							
Trichlorofluoromethane	8020562			ug/kg wet	N/A	25	<25							
1,2,3-Trichloropropane	8020562			ug/kg wet	N/A	50	<50							
1,2,4-Trimethylbenzene	8020562			ug/kg wet	N/A	25	<25							
1,3,5-Trimethylbenzene	8020562			ug/kg wet	N/A	25	<25							
Vinyl chloride	8020562			ug/kg wet	N/A	35	<35							
Xylenes, total	8020562			ug/kg wet	N/A	85	<85							
Surrogate: Dibromofluoromethane	*8020562*			ug/kg wet					*96*		*82-112*			
Surrogate: Toluene-d8	*8020562*			ug/kg wet					*101*		*91-106*			
Surrogate: 4-Bromofluorobenzene	*8020562*			ug/kg wet					*94*		*89-110*			
PNAs by SW8310														
Acenaphthene	8020499			ug/kg wet	N/A	50	<50							
Acenaphthylene	8020499			ug/kg wet	N/A	85	<85							
Anthracene	8020499			ug/kg wet	N/A	5.0	<5.0							
Benzo (a) anthracene	8020499			ug/kg wet	N/A	5.0	<5.0							
Benzo (b) fluoranthene	8020499			ug/kg wet	N/A	5.0	<5.0							
Benzo (k) fluoranthene	8020499			ug/kg wet	N/A	5.0	<5.0							
Benzo (a) pyrene	8020499			ug/kg wet	N/A	5.0	<5.0							
Benzo (g,h,i) perylene	8020499			ug/kg wet	N/A	5.0	<5.0							
Chrysene	8020499			ug/kg wet	N/A	5.0	<5.0							
Dibenzo (a,h) anthracene	8020499			ug/kg wet	N/A	7.5	<7.5							
Fluoranthene	8020499			ug/kg wet	N/A	10	<10							
Fluorene	8020499			ug/kg wet	N/A	10	<10							
Indeno (1,2,3-cd) pyrene	8020499			ug/kg wet	N/A	5.0	<5.0							
1-Methylnaphthalene	8020499			ug/kg wet	N/A	30	<30							
2-Methylnaphthalene	8020499			ug/kg wet	N/A	25	<25							
Naphthalene	8020499			ug/kg wet	N/A	30	<30							
Phenanthrene	8020499			ug/kg wet	N/A	5.0	<5.0							
Pyrene	8020499			ug/kg wet	N/A	5.0	<5.0							
Surrogate: 2-Fluorobiphenyl	*8020499*			ug/kg wet					*105*		*61-128*			
Semivolatile Organics by GC/MS														
Acenaphthene	8020961			mg/kg wet	N/A	0.330	<0.330							
Acenaphthylene	8020961			mg/kg wet	N/A	0.330	<0.330							
Anthracene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzidine	8020961			mg/kg wet	N/A	3.30	<3.30							
Benzo (a) anthracene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzo (b) fluoranthene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzo (k) fluoranthene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzo (a) pyrene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzo (g,h,i) perylene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzyl alcohol	8020961			mg/kg wet	N/A	0.330	<0.330							
Butyl benzyl phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							

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Semivolatile Organics by GC/MS														
Bis(2-chloroethyl)ether	8020961			mg/kg wet	N/A	0.330	<0.330							
Bis(2-chloroethoxy)methane	8020961			mg/kg wet	N/A	0.330	<0.330							
Bis(2-ethylhexyl)phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							
Bis(2-chloroisopropyl) ether	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Bromophenyl phenyl ether	8020961			mg/kg wet	N/A	0.330	<0.330							
Carbazole	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Chloroaniline	8020961			mg/kg wet	N/A	0.330	<0.330							
2-Chloronaphthalene	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Chlorophenyl phenyl ether	8020961			mg/kg wet	N/A	0.330	<0.330							
Chrysene	8020961			mg/kg wet	N/A	0.330	<0.330							
Dibenzo (a,h) anthracene	8020961			mg/kg wet	N/A	0.330	<0.330							
Dibenzofuran	8020961			mg/kg wet	N/A	0.330	<0.330							
Di-n-butyl phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							
1,2-Dichlorobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
1,3-Dichlorobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
1,4-Dichlorobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
3,3'-Dichlorobenzidine	8020961			mg/kg wet	N/A	0.330	<0.330							
Diethyl phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							
Dimethyl phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4-Dinitrotoluene	8020961			mg/kg wet	N/A	0.330	<0.330							
2,6-Dinitrotoluene	8020961			mg/kg wet	N/A	0.330	<0.330							
Di-n-octyl phthalate	8020961			mg/kg wet	N/A	0.330	<0.330							
Fluoranthene	8020961			mg/kg wet	N/A	0.330	<0.330							
Fluorene	8020961			mg/kg wet	N/A	0.330	<0.330							
Hexachlorobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
Hexachlorobutadiene	8020961			mg/kg wet	N/A	0.330	<0.330							
Hexachlorocyclopentadiene	8020961			mg/kg wet	N/A	0.660	<0.660							
Hexachloroethane	8020961			mg/kg wet	N/A	0.330	<0.330							
Indeno (1,2,3-cd) pyrene	8020961			mg/kg wet	N/A	0.330	<0.330							
Isophorone	8020961			mg/kg wet	N/A	0.330	<0.330							
2-Methylnaphthalene	8020961			mg/kg wet	N/A	0.330	<0.330							
Naphthalene	8020961			mg/kg wet	N/A	0.330	<0.330							
2-Nitroaniline	8020961			mg/kg wet	N/A	0.330	<0.330							
3-Nitroaniline	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Nitroaniline	8020961			mg/kg wet	N/A	0.330	<0.330							
Nitrobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
N-Nitrosodimethylamine	8020961			mg/kg wet	N/A	0.330	<0.330							
N-Nitrosodiphenylamine	8020961			mg/kg wet	N/A	0.330	<0.330							
N-Nitrosodi-n-propylamine	8020961			mg/kg wet	N/A	0.330	<0.330							
Phenanthrene	8020961			mg/kg wet	N/A	0.330	<0.330							
Pyrene	8020961			mg/kg wet	N/A	0.330	<0.330							
Pyridine	8020961			mg/kg wet	N/A	0.330	<0.330							
1,2,4-Trichlorobenzene	8020961			mg/kg wet	N/A	0.330	<0.330							
Benzoic acid	8020961			mg/kg wet	N/A	0.660	<0.660							
4-Chloro-3-methylphenol	8020961			mg/kg wet	N/A	0.330	<0.330							

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Semivolatile Organics by GC/MS														
2-Chlorophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
Cresol(s)	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4-Dichlorophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4-Dimethylphenol	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4-Dinitrophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
4,6-Dinitro-2-methylphenol	8020961			mg/kg wet	N/A	0.330	<0.330							
2-Methylphenol (o-Cresol)	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Methylphenol (p-Cresol)	8020961			mg/kg wet	N/A	0.330	<0.330							
2-Nitrophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
4-Nitrophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
Pentachlorophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
Phenol	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4,5-Trichlorophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
2,4,6-Trichlorophenol	8020961			mg/kg wet	N/A	0.330	<0.330							
Surrogate: Nitrobenzene-d5	*8020961*			mg/kg wet					*77*		*25-110*			
Surrogate: 2-Fluorobiphenyl	*8020961*			mg/kg wet					*81*		*20-115*			
Surrogate: Terphenyl-d14	*8020961*			mg/kg wet					*88*		*40-135*			
Surrogate: Phenol-d6	*8020961*			mg/kg wet					*76*		*30-125*			
Surrogate: 2-Fluorophenol	*8020961*			mg/kg wet					*72*		*25-120*			
Surrogate: 2,4,6-Tribromophenol	*8020961*			mg/kg wet					*90*		*35-130*			
Polychlorinated Biphenyls by EPA Method 8082														
PCB-1016	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1221	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1232	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1242	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1248	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1254	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1260	8020909			mg/kg wet	N/A	0.0500	<0.0500							
PCB-1268	8020909			mg/kg wet	N/A	0.0500	<0.0500							
Surrogate: Decachlorobiphenyl	*8020909*			mg/kg wet					*95*		*59-140*			
Surrogate: Tetrachloro-meta-xylene	*8020909*			mg/kg wet					*72*		*46-136*			

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Metals														
Barium	8B28008		5.0000	mg/L	N/A	N/A	4.68		94		90-110			
Silver	8B28008		1.0000	mg/L	N/A	N/A	0.926		93		90-110			
Arsenic	8B28008		5.0000	mg/L	N/A	N/A	4.70		94		90-110			
Cadmium	8B28008		5.0000	mg/L	N/A	N/A	4.76		95		90-110			
Chromium	8B28008		5.0000	mg/L	N/A	N/A	4.70		94		90-110			
Lead	8B28008		5.0000	mg/L	N/A	N/A	4.71		94		90-110			
Selenium	8B28008		5.0000	mg/L	N/A	N/A	4.73		95		90-110			
Barium	8B28008		5.0000	mg/L	N/A	N/A	4.65		93		90-110			
Silver	8B28008		1.0000	mg/L	N/A	N/A	0.922		92		90-110			
Arsenic	8B28008		5.0000	mg/L	N/A	N/A	4.65		93		90-110			
Cadmium	8B28008		5.0000	mg/L	N/A	N/A	4.67		93		90-110			
Chromium	8B28008		5.0000	mg/L	N/A	N/A	4.62		92		90-110			
Lead	8B28008		5.0000	mg/L	N/A	N/A	4.68		94		90-110			
Selenium	8B28008		5.0000	mg/L	N/A	N/A	4.66		93		90-110			
Barium	8B28008		5.0000	mg/L	N/A	N/A	4.69		94		90-110			
Silver	8B28008		1.0000	mg/L	N/A	N/A	0.929		93		90-110			
Arsenic	8B28008		5.0000	mg/L	N/A	N/A	4.72		94		90-110			
Cadmium	8B28008		5.0000	mg/L	N/A	N/A	4.75		95		90-110			
Chromium	8B28008		5.0000	mg/L	N/A	N/A	4.70		94		90-110			
Lead	8B28008		5.0000	mg/L	N/A	N/A	4.75		95		90-110			
Selenium	8B28008		5.0000	mg/L	N/A	N/A	4.71		94		90-110			
Barium	8C04008		5.0000	mg/L	N/A	N/A	4.90		98		90-110			
Silver	8C04008		1.0000	mg/L	N/A	N/A	0.983		98		90-110			
Arsenic	8C04008		5.0000	mg/L	N/A	N/A	5.02		100		90-110			
Cadmium	8C04008		5.0000	mg/L	N/A	N/A	4.78		96		90-110			
Chromium	8C04008		5.0000	mg/L	N/A	N/A	5.00		100		90-110			
Lead	8C04008		5.0000	mg/L	N/A	N/A	4.96		99		90-110			
Selenium	8C04008		5.0000	mg/L	N/A	N/A	4.98		100		90-110			
Barium	8C04008		5.0000	mg/L	N/A	N/A	4.69		94		90-110			
Silver	8C04008		1.0000	mg/L	N/A	N/A	0.943		94		90-110			
Arsenic	8C04008		5.0000	mg/L	N/A	N/A	4.76		95		90-110			
Cadmium	8C04008		5.0000	mg/L	N/A	N/A	4.49		90		90-110			
Chromium	8C04008		5.0000	mg/L	N/A	N/A	4.74		95		90-110			
Lead	8C04008		5.0000	mg/L	N/A	N/A	4.71		94		90-110			
Selenium	8C04008		5.0000	mg/L	N/A	N/A	4.75		95		90-110			
Barium	8C04008		5.0000	mg/L	N/A	N/A	4.82		96		90-110			
Silver	8C04008		1.0000	mg/L	N/A	N/A	0.972		97		90-110			
Arsenic	8C04008		5.0000	mg/L	N/A	N/A	4.94		99		90-110			
Cadmium	8C04008		5.0000	mg/L	N/A	N/A	4.71		94		90-110			
Chromium	8C04008		5.0000	mg/L	N/A	N/A	4.98		100		90-110			
Lead	8C04008		5.0000	mg/L	N/A	N/A	4.91		98		90-110			
Selenium	8C04008		5.0000	mg/L	N/A	N/A	4.99		100		90-110			
VOCs by SW8260B														
Benzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
Bromobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2390		96		80-120			
Bromochloromethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
Bromodichloromethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
Bromoform	8B27007		2500.0	ug/kg wet	N/A	N/A	2280		91		80-120			

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CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
Bromomethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2090		84		80-120			
n-Butylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2470		99		80-120			
sec-Butylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2470		99		80-120			
tert-Butylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2470		99		80-120			
Carbon Tetrachloride	8B27007		2500.0	ug/kg wet	N/A	N/A	2210		88		80-120			
Chlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Chlorodibromomethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Chloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2050		82		80-120			
Chloroform	8B27007		2500.0	ug/kg wet	N/A	N/A	2280		91		80-120			
Chloromethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2060		83		80-120			
2-Chlorotoluene	8B27007		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
4-Chlorotoluene	8B27007		2500.0	ug/kg wet	N/A	N/A	2410		97		80-120			
1,2-Dibromo-3-chloropropane	8B27007		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
1,2-Dibromoethane (EDB)	8B27007		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
Dibromomethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2280		91		80-120			
1,2-Dichlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
1,3-Dichlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
1,4-Dichlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2360		95		80-120			
Dichlorodifluoromethane	8B27007		2500.0	ug/kg wet	N/A	N/A	1880		75		80-120			C9
1,1-Dichloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2280		91		80-120			
1,2-Dichloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2150		86		80-120			
1,1-Dichloroethene	8B27007		2500.0	ug/kg wet	N/A	N/A	2310		92		80-120			
cis-1,2-Dichloroethene	8B27007		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
trans-1,2-Dichloroethene	8B27007		2500.0	ug/kg wet	N/A	N/A	2580		103		80-120			
1,2-Dichloropropane	8B27007		2500.0	ug/kg wet	N/A	N/A	2330		93		80-120			
1,3-Dichloropropane	8B27007		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
2,2-Dichloropropane	8B27007		2500.0	ug/kg wet	N/A	N/A	2270		91		80-120			
1,1-Dichloropropene	8B27007		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
cis-1,3-Dichloropropene	8B27007		2500.0	ug/kg wet	N/A	N/A	2390		96		80-120			
trans-1,3-Dichloropropene	8B27007		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
2,3-Dichloropropene	8B27007		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
Isopropyl Ether	8B27007		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
Ethylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
Hexachlorobutadiene	8B27007		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
Isopropylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
p-Isopropyltoluene	8B27007		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
Methylene Chloride	8B27007		2500.0	ug/kg wet	N/A	N/A	2230		89		80-120			
Methyl tert-Butyl Ether	8B27007		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
Naphthalene	8B27007		2500.0	ug/kg wet	N/A	N/A	2440		98		80-120			
n-Propylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2470		99		80-120			
Styrene	8B27007		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
1,1,1,2-Tetrachloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
1,1,2,2-Tetrachloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
Tetrachloroethene	8B27007		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Toluene	8B27007		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			

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CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
1,2,3-Trichlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
1,2,4-Trichlorobenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
1,1,1-Trichloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2220		89		80-120			
1,1,2-Trichloroethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2310		93		80-120			
Trichloroethene	8B27007		2500.0	ug/kg wet	N/A	N/A	2340		93		80-120			
Trichlorofluoromethane	8B27007		2500.0	ug/kg wet	N/A	N/A	2110		85		80-120			
1,2,3-Trichloropropane	8B27007		2500.0	ug/kg wet	N/A	N/A	2200		88		80-120			
1,2,4-Trimethylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
1,3,5-Trimethylbenzene	8B27007		2500.0	ug/kg wet	N/A	N/A	2500		100		80-120			
Vinyl chloride	8B27007		2500.0	ug/kg wet	N/A	N/A	2170		87		80-120			
Xylenes, total	8B27007		7500.0	ug/kg wet	N/A	N/A	7210		96		80-120			
Surrogate: Dibromofluoromethane	*8B27007*			ug/kg wet					*98*		*80-120*			
Surrogate: Toluene-d8	*8B27007*			ug/kg wet					*101*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*8B27007*			ug/kg wet					*98*		*80-120*			
Benzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2390		96		80-120			
Bromobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
Bromochloromethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2430		97		80-120			
Bromodichloromethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
Bromoform	8B29004		2500.0	ug/kg wet	N/A	N/A	2410		97		80-120			
Bromomethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
n-Butylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
sec-Butylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
tert-Butylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
Carbon Tetrachloride	8B29004		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
Chlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Chlorodibromomethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2510		101		80-120			
Chloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Chloroform	8B29004		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
Chloromethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2410		96		80-120			
2-Chlorotoluene	8B29004		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
4-Chlorotoluene	8B29004		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
1,2-Dibromo-3-chloropropane	8B29004		2500.0	ug/kg wet	N/A	N/A	2470		99		80-120			
1,2-Dibromoethane (EDB)	8B29004		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
Dibromomethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
1,2-Dichlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
1,3-Dichlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2430		97		80-120			
1,4-Dichlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
Dichlorodifluoromethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
1,1-Dichloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2410		97		80-120			
1,2-Dichloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
1,1-Dichloroethene	8B29004		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
cis-1,2-Dichloroethene	8B29004		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
trans-1,2-Dichloroethene	8B29004		2500.0	ug/kg wet	N/A	N/A	2670		107		80-120			
1,2-Dichloropropane	8B29004		2500.0	ug/kg wet	N/A	N/A	2390		96		80-120			

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
1,3-Dichloropropane	8B29004		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
2,2-Dichloropropane	8B29004		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
1,1-Dichloropropene	8B29004		2500.0	ug/kg wet	N/A	N/A	2490		100		80-120			
cis-1,3-Dichloropropene	8B29004		2500.0	ug/kg wet	N/A	N/A	2510		100		80-120			
trans-1,3-Dichloropropene	8B29004		2500.0	ug/kg wet	N/A	N/A	2530		101		80-120			
2,3-Dichloropropene	8B29004		2500.0	ug/kg wet	N/A	N/A	2490		100		80-120			
Isopropyl Ether	8B29004		2500.0	ug/kg wet	N/A	N/A	2490		99		80-120			
Ethylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
Hexachlorobutadiene	8B29004		2500.0	ug/kg wet	N/A	N/A	2240		89		80-120			
Isopropylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
p-Isopropyltoluene	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
Methylene Chloride	8B29004		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Methyl tert-Butyl Ether	8B29004		2500.0	ug/kg wet	N/A	N/A	2670		107		80-120			
Naphthalene	8B29004		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
n-Propylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2460		98		80-120			
Styrene	8B29004		2500.0	ug/kg wet	N/A	N/A	2330		93		80-120			
1,1,1,2-Tetrachloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2440		98		80-120			
1,1,2,2-Tetrachloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2510		100		80-120			
Tetrachloroethene	8B29004		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
Toluene	8B29004		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
1,2,3-Trichlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2270		91		80-120			
1,2,4-Trichlorobenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
1,1,1-Trichloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
1,1,2-Trichloroethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2450		98		80-120			
Trichloroethene	8B29004		2500.0	ug/kg wet	N/A	N/A	2390		95		80-120			
Trichlorofluoromethane	8B29004		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
1,2,3-Trichloropropane	8B29004		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
1,2,4-Trimethylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2490		100		80-120			
1,3,5-Trimethylbenzene	8B29004		2500.0	ug/kg wet	N/A	N/A	2490		100		80-120			
Vinyl chloride	8B29004		2500.0	ug/kg wet	N/A	N/A	2440		97		80-120			
Xylenes, total	8B29004		7500.0	ug/kg wet	N/A	N/A	7210		96		80-120			
Surrogate: Dibromofluoromethane	*8B29004*			ug/kg wet					*100*		*80-120*			
Surrogate: Toluene-d8	*8B29004*			ug/kg wet					*100*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*8B29004*			ug/kg wet					*97*		*80-120*			
PNAs by SW8310														
Acenaphthene	8C04004		5.0000	ug/kg wet	N/A	N/A	4.95		99		85-115			
Acenaphthylene	8C04004		10.000	ug/kg wet	N/A	N/A	9.47		95		85-115			
Anthracene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.560		112		85-115			
Benzo (a) anthracene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.471		94		85-115			
Benzo (b) fluoranthene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.03		103		85-115			
Benzo (k) fluoranthene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.542		108		85-115			
Benzo (a) pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.518		104		85-115			
Benzo (g,h,i) perylene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.04		104		85-115			
Chrysene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.455		91		85-115			

SIGMA ENVIRONMENTAL SERV. - Milwaukee
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Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
PNAs by SW8310														
Dibenzo (a,h) anthracene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.04		104		85-115			
Fluoranthene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.04		104		85-115			
Fluorene	8C04004		1.0000	ug/kg wet	N/A	N/A	0.979		98		85-115			
Indeno (1,2,3-cd) pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.534		107		85-115			
			0											
1-Methylnaphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.07		101		85-115			
2-Methylnaphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.39		108		85-115			
Naphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.36		107		85-115			
Phenanthrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.532		106		85-115			
			0											
Pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.477		95		85-115			
			0											
Surrogate: 2-Fluorobiphenyl	*8C04004*			ug/kg wet					*105*		*85-115*			
Acenaphthene	8C04004		5.0000	ug/kg wet	N/A	N/A	4.97		99		85-115			
Acenaphthylene	8C04004		10.000	ug/kg wet	N/A	N/A	9.46		95		85-115			
Anthracene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.565		113		85-115			
			0											
Benzo (a) anthracene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.470		94		85-115			
			0											
Benzo (b) fluoranthene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.04		104		85-115			
Benzo (k) fluoranthene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.549		110		85-115			
			0											
Benzo (a) pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.530		106		85-115			
			0											
Benzo (g,h,i) perylene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.04		104		85-115			
Chrysene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.455		91		85-115			
			0											
Dibenzo (a,h) anthracene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.05		105		85-115			
Fluoranthene	8C04004		1.0000	ug/kg wet	N/A	N/A	1.05		105		85-115			
Fluorene	8C04004		1.0000	ug/kg wet	N/A	N/A	0.986		99		85-115			
Indeno (1,2,3-cd) pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.538		108		85-115			
			0											
1-Methylnaphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.07		101		85-115			
2-Methylnaphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.37		107		85-115			
Naphthalene	8C04004		5.0000	ug/kg wet	N/A	N/A	5.32		106		85-115			
Phenanthrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.538		108		85-115			
			0											
Pyrene	8C04004		0.5000	ug/kg wet	N/A	N/A	0.480		96		85-115			
			0											
Surrogate: 2-Fluorobiphenyl	*8C04004*			ug/kg wet					*105*		*85-115*			

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Received: 02/26/08
Reported: 03/06/08 15:22

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
QC Source Sample: WRB0726-02													
% Solids	8020508	91.0		%	N/A	N/A	91.2				0	20	
QC Source Sample: WRB0772-07													
% Solids	8020508	87.6		%	N/A	N/A	88.6				1	20	
QC Source Sample: WRB0841-04													
% Solids	8030034	14.7		%	N/A	N/A	14.2				4	20	
QC Source Sample: WRB0874-01													
% Solids	8030034	89.6		%	N/A	N/A	89.6				0	20	

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Metals														
Arsenic	8020504		50.000	mg/kg wet	N/A	1.4	43.3		87		85-112			
Barium	8020504		25.000	mg/kg wet	N/A	0.11	21.3		85		78-110			
Cadmium	8020504		25.000	mg/kg wet	N/A	0.10	21.4		86		83-109			
Chromium	8020504		25.000	mg/kg wet	N/A	0.18	21.5		86		84-110			
Lead	8020504		50.000	mg/kg wet	N/A	1.2	43.1		86		84-110			
Selenium	8020504		100.00	mg/kg wet	N/A	4.0	84.7		85		79-104			
Silver	8020504		25.000	mg/kg wet	N/A	0.11	21.5		86		74-116			
Mercury	8020571		0.2500	mg/kg wet	N/A	0.010	0.204		81		76-133			
			0											
Arsenic	8030022		50.000	mg/kg wet	N/A	1.4	44.7		89		85-112			
Barium	8030022		25.000	mg/kg wet	N/A	0.11	22.2		89		78-110			
Cadmium	8030022		25.000	mg/kg wet	N/A	0.10	21.2		85		83-109			
Chromium	8030022		25.000	mg/kg wet	N/A	0.18	22.6		90		84-110			
Lead	8030022		50.000	mg/kg wet	N/A	1.2	43.7		87		84-110			
Selenium	8030022		100.00	mg/kg wet	N/A	4.0	87.3		87		79-104			
Silver	8030022		25.000	mg/kg wet	N/A	0.11	22.8		91		74-116			
VOCs by SW8260B														
Benzene	8020500		2500.0	ug/kg wet	N/A	N/A	2250		90		64-124			
Bromobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2350		94		70-130			
Bromochloromethane	8020500		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
Bromodichloromethane	8020500		2500.0	ug/kg wet	N/A	N/A	2290		91		70-130			
Bromoform	8020500		2500.0	ug/kg wet	N/A	N/A	2450		98		70-130			
Bromomethane	8020500		2500.0	ug/kg wet	N/A	N/A	2190		87		70-130			
n-Butylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
sec-Butylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2310		92		70-130			
tert-Butylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
Carbon Tetrachloride	8020500		2500.0	ug/kg wet	N/A	N/A	2230		89		70-130			
Chlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2290		92		80-123			
Chlorodibromomethane	8020500		2500.0	ug/kg wet	N/A	N/A	2490		99		70-130			
Chloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2230		89		70-130			
Chloroform	8020500		2500.0	ug/kg wet	N/A	N/A	2200		88		70-130			
Chloromethane	8020500		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
2-Chlorotoluene	8020500		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
4-Chlorotoluene	8020500		2500.0	ug/kg wet	N/A	N/A	2320		93		70-130			
1,2-Dibromo-3-chloropropane	8020500		2500.0	ug/kg wet	N/A	N/A	2390		96		70-130			
1,2-Dibromoethane (EDB)	8020500		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			
Dibromomethane	8020500		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
1,2-Dichlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2320		93		70-130			
1,3-Dichlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
1,4-Dichlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2310		93		70-130			
Dichlorodifluoromethane	8020500		2500.0	ug/kg wet	N/A	N/A	2400		96		70-130			C9
1,1-Dichloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
1,2-Dichloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2140		86		70-130			
1,1-Dichloroethene	8020500		2500.0	ug/kg wet	N/A	N/A	2470		99		43-141			
cis-1,2-Dichloroethene	8020500		2500.0	ug/kg wet	N/A	N/A	2370		95		70-130			
trans-1,2-Dichloroethene	8020500		2500.0	ug/kg wet	N/A	N/A	2570		103		70-130			
1,2-Dichloropropane	8020500		2500.0	ug/kg wet	N/A	N/A	2290		92		70-130			
1,3-Dichloropropane	8020500		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
2,2-Dichloropropane	8020500		2500.0	ug/kg wet	N/A	N/A	2200		88		70-130			
1,1-Dichloropropene	8020500		2500.0	ug/kg wet	N/A	N/A	2340		94		70-130			
cis-1,3-Dichloropropene	8020500		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			
trans-1,3-Dichloropropene	8020500		2500.0	ug/kg wet	N/A	N/A	2350		94		70-130			
Ethylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2280		91		79-122			
Hexachlorobutadiene	8020500		2500.0	ug/kg wet	N/A	N/A	2240		89		70-130			
Isopropylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2290		92		70-130			
p-Isopropyltoluene	8020500		2500.0	ug/kg wet	N/A	N/A	2340		94		70-130			
Methylene Chloride	8020500		2500.0	ug/kg wet	N/A	N/A	2190		88		70-130			
Methyl tert-Butyl Ether	8020500		2406.2	ug/kg wet	N/A	N/A	2410		100		55-137			
Naphthalene	8020500		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
n-Propylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
Styrene	8020500		2500.0	ug/kg wet	N/A	N/A	2260		90		70-130			
1,1,1,2-Tetrachloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
1,1,2,2-Tetrachloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2400		96		70-130			
Tetrachloroethene	8020500		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
Toluene	8020500		2500.0	ug/kg wet	N/A	N/A	2290		92		78-120			
1,2,3-Trichlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2400		96		70-130			
1,2,4-Trichlorobenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2430		97		70-130			
1,1,1-Trichloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2200		88		70-130			
1,1,2-Trichloroethane	8020500		2500.0	ug/kg wet	N/A	N/A	2360		95		70-130			
Trichloroethene	8020500		2500.0	ug/kg wet	N/A	N/A	2270		91		78-124			
Trichlorofluoromethane	8020500		2500.0	ug/kg wet	N/A	N/A	2030		81		70-130			
1,2,3-Trichloropropane	8020500		2500.0	ug/kg wet	N/A	N/A	2230		89		70-130			
1,2,4-Trimethylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2360		94		75-128			
1,3,5-Trimethylbenzene	8020500		2500.0	ug/kg wet	N/A	N/A	2370		95		76-127			
Vinyl chloride	8020500		2500.0	ug/kg wet	N/A	N/A	2180		87		70-130			
Xylenes, total	8020500		7500.0	ug/kg wet	N/A	N/A	6970		93		79-122			
Surrogate: Dibromofluoromethane	*8020500*			ug/kg wet					*96*		*82-112*			
Surrogate: Toluene-d8	*8020500*			ug/kg wet					*101*		*91-106*			
Surrogate: 4-Bromofluorobenzene	*8020500*			ug/kg wet					*98*		*89-110*			
Benzene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		64-124			
Bromobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2460		98		70-130			
Bromochloromethane	8020562		2500.0	ug/kg wet	N/A	N/A	2410		96		70-130			
Bromodichloromethane	8020562		2500.0	ug/kg wet	N/A	N/A	2430		97		70-130			
Bromoform	8020562		2500.0	ug/kg wet	N/A	N/A	2600		104		70-130			
Bromomethane	8020562		2500.0	ug/kg wet	N/A	N/A	2460		98		70-130			
n-Butylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2320		93		70-130			
sec-Butylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
tert-Butylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
Carbon Tetrachloride	8020562		2500.0	ug/kg wet	N/A	N/A	2310		92		70-130			
Chlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2340		93		80-123			
Chlorodibromomethane	8020562		2500.0	ug/kg wet	N/A	N/A	2650		106		70-130			
Chloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
Chloroform	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
Chloromethane	8020562		2500.0	ug/kg wet	N/A	N/A	2620		105		70-130			
2-Chlorotoluene	8020562		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
4-Chlorotoluene	8020562		2500.0	ug/kg wet	N/A	N/A	2390		95		70-130			
1,2-Dibromo-3-chloropropane	8020562		2500.0	ug/kg wet	N/A	N/A	2670		107		70-130			
1,2-Dibromoethane (EDB)	8020562		2500.0	ug/kg wet	N/A	N/A	2480		99		70-130			
Dibromomethane	8020562		2500.0	ug/kg wet	N/A	N/A	2430		97		70-130			
1,2-Dichlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2410		96		70-130			
1,3-Dichlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2390		96		70-130			
1,4-Dichlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2360		95		70-130			
Dichlorodifluoromethane	8020562		2500.0	ug/kg wet	N/A	N/A	2580		103		70-130			
1,1-Dichloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
1,2-Dichloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2310		93		70-130			
1,1-Dichloroethene	8020562		2500.0	ug/kg wet	N/A	N/A	2580		103		43-141			
cis-1,2-Dichloroethene	8020562		2500.0	ug/kg wet	N/A	N/A	2440		97		70-130			
trans-1,2-Dichloroethene	8020562		2500.0	ug/kg wet	N/A	N/A	2610		105		70-130			
1,2-Dichloropropane	8020562		2500.0	ug/kg wet	N/A	N/A	2340		93		70-130			
1,3-Dichloropropane	8020562		2500.0	ug/kg wet	N/A	N/A	2480		99		70-130			
2,2-Dichloropropane	8020562		2500.0	ug/kg wet	N/A	N/A	2290		92		70-130			
1,1-Dichloropropene	8020562		2500.0	ug/kg wet	N/A	N/A	2370		95		70-130			
cis-1,3-Dichloropropene	8020562		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
trans-1,3-Dichloropropene	8020562		2500.0	ug/kg wet	N/A	N/A	2520		101		70-130			
Ethylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2310		92		79-122			
Hexachlorobutadiene	8020562		2500.0	ug/kg wet	N/A	N/A	2250		90		70-130			
Isopropylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
p-Isopropyltoluene	8020562		2500.0	ug/kg wet	N/A	N/A	2330		93		70-130			
Methylene Chloride	8020562		2500.0	ug/kg wet	N/A	N/A	2350		94		70-130			
Methyl tert-Butyl Ether	8020562		2406.2	ug/kg wet	N/A	N/A	2540		106		55-137			
Naphthalene	8020562		2500.0	ug/kg wet	N/A	N/A	2630		105		70-130			
n-Propylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2340		94		70-130			
Styrene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
1,1,1,2-Tetrachloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2460		99		70-130			
1,1,2,2-Tetrachloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2570		103		70-130			
Tetrachloroethene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
Toluene	8020562		2500.0	ug/kg wet	N/A	N/A	2300		92		78-120			
1,2,3-Trichlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2520		101		70-130			
1,2,4-Trichlorobenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2560		102		70-130			
1,1,1-Trichloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2280		91		70-130			
1,1,2-Trichloroethane	8020562		2500.0	ug/kg wet	N/A	N/A	2480		99		70-130			
Trichloroethene	8020562		2500.0	ug/kg wet	N/A	N/A	2320		93		78-124			
Trichlorofluoromethane	8020562		2500.0	ug/kg wet	N/A	N/A	2170		87		70-130			
1,2,3-Trichloropropane	8020562		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			
1,2,4-Trimethylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2390		96		75-128			
1,3,5-Trimethylbenzene	8020562		2500.0	ug/kg wet	N/A	N/A	2370		95		76-127			
Vinyl chloride	8020562		2500.0	ug/kg wet	N/A	N/A	2290		91		70-130			

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
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Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
Xylenes, total	8020562		7500.0	ug/kg wet	N/A	N/A	7030		94		79-122			
Surrogate: Dibromofluoromethane	*8020562*			ug/kg wet					*99*		*82-112*			
Surrogate: Toluene-d8	*8020562*			ug/kg wet					*102*		*91-106*			
Surrogate: 4-Bromofluorobenzene	*8020562*			ug/kg wet					*100*		*89-110*			
PNAs by SW8310														
Acenaphthene	8020499		400.00	ug/kg wet	N/A	50	403		101		72-114			
Acenaphthylene	8020499		800.00	ug/kg wet	N/A	85	732		91		74-117			
Anthracene	8020499		40.000	ug/kg wet	N/A	5.0	42.1		105		67-124			
Benzo (a) anthracene	8020499		40.000	ug/kg wet	N/A	5.0	39.4		99		76-119			
Benzo (b) fluoranthene	8020499		80.000	ug/kg wet	N/A	5.0	91.7		115		87-132			
Benzo (k) fluoranthene	8020499		40.000	ug/kg wet	N/A	5.0	47.5		119		86-132			
Benzo (a) pyrene	8020499		40.000	ug/kg wet	N/A	5.0	36.5		91		62-125			
Benzo (g,h,i) perylene	8020499		80.000	ug/kg wet	N/A	5.0	88.3		110		80-128			
Chrysene	8020499		40.000	ug/kg wet	N/A	5.0	40.2		101		80-121			
Dibenzo (a,h) anthracene	8020499		80.000	ug/kg wet	N/A	7.5	89.0		111		87-128			
Fluoranthene	8020499		80.000	ug/kg wet	N/A	10	89.2		112		78-129			
Fluorene	8020499		80.000	ug/kg wet	N/A	10	86.3		108		64-122			
Indeno (1,2,3-cd) pyrene	8020499		40.000	ug/kg wet	N/A	5.0	46.3		116		80-125			
1-Methylnaphthalene	8020499		400.00	ug/kg wet	N/A	30	404		101		72-115			
2-Methylnaphthalene	8020499		400.00	ug/kg wet	N/A	25	395		99		59-114			
Naphthalene	8020499		400.00	ug/kg wet	N/A	30	438		109		72-111			
Phenanthrene	8020499		40.000	ug/kg wet	N/A	5.0	46.5		116		78-132			
Pyrene	8020499		40.000	ug/kg wet	N/A	5.0	40.9		102		75-122			
Surrogate: 2-Fluorobiphenyl	*8020499*			ug/kg wet					*93*		*61-115*			
Semivolatile Organics by GC/MS														
Acenaphthene	8020961		3.33	mg/kg wet	N/A	0.330	2.65		80		55-120			
Acenaphthylene	8020961		3.33	mg/kg wet	N/A	0.330	2.75		82		45-130			
Anthracene	8020961		3.33	mg/kg wet	N/A	0.330	2.97		89		60-130			
Benzidine	8020961		3.33	mg/kg wet	N/A	3.30	3.32		99		35-130			
Benzo (a) anthracene	8020961		3.33	mg/kg wet	N/A	0.330	2.89		87		60-140			
Benzo (b) fluoranthene	8020961		3.33	mg/kg wet	N/A	0.330	2.99		90		60-135			
Benzo (k) fluoranthene	8020961		3.33	mg/kg wet	N/A	0.330	2.83		85		55-135			
Benzo (a) pyrene	8020961		3.33	mg/kg wet	N/A	0.330	2.91		87		60-135			
Benzo (g,h,i) perylene	8020961		3.33	mg/kg wet	N/A	0.330	2.94		88		60-130			
Benzyl alcohol	8020961		3.33	mg/kg wet	N/A	0.330	2.41		72		35-120			
Butyl benzyl phthalate	8020961		3.33	mg/kg wet	N/A	0.330	2.95		89		55-140			
Bis(2-chloroethyl)ether	8020961		3.33	mg/kg wet	N/A	0.330	2.32		70		35-105			
Bis(2-chloroethoxy)methane	8020961		3.33	mg/kg wet	N/A	0.330	2.52		76		40-105			
Bis(2-ethylhexyl)phthalate	8020961		3.33	mg/kg wet	N/A	0.330	2.93		88		55-140			
Bis(2-chloroisopropyl) ether	8020961		3.33	mg/kg wet	N/A	0.330	2.29		69		35-105			
4-Bromophenyl phenyl ether	8020961		3.33	mg/kg wet	N/A	0.330	3.07		92		60-135			
Carbazole	8020961		3.33	mg/kg wet	N/A	0.330	3.02		91		50-145			
4-Chloroaniline	8020961		3.33	mg/kg wet	N/A	0.330	2.52		76		35-120			
2-Chloronaphthalene	8020961		3.33	mg/kg wet	N/A	0.330	2.63		79		55-115			

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Received: 02/26/08
Reported: 03/06/08 15:22

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
4-Chlorophenyl phenyl ether	8020961		3.33	mg/kg wet	N/A	0.330	2.88		87		60-130			
Chrysene	8020961		3.33	mg/kg wet	N/A	0.330	2.92		87		60-140			
Dibenzo (a,h) anthracene	8020961		3.33	mg/kg wet	N/A	0.330	2.95		89		60-135			
Dibenzofuran	8020961		3.33	mg/kg wet	N/A	0.330	2.88		86		60-135			
Di-n-butyl phthalate	8020961		3.33	mg/kg wet	N/A	0.330	3.06		92		60-135			
1,2-Dichlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.27		68		40-100			
1,3-Dichlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.30		69		35-100			
1,4-Dichlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.32		70		35-100			
3,3'-Dichlorobenzidine	8020961		3.33	mg/kg wet	N/A	0.330	3.11		93		60-140			
Diethyl phthalate	8020961		3.33	mg/kg wet	N/A	0.330	2.90		87		60-140			
1,2-Diphenylhydrazine	8020961		3.33	mg/kg wet	N/A	0.330	2.60		78		45-130			
Dimethyl phthalate	8020961		3.33	mg/kg wet	N/A	0.330	2.89		87		60-130			
2,4-Dinitrotoluene	8020961		3.33	mg/kg wet	N/A	0.330	3.05		92		65-140			
2,6-Dinitrotoluene	8020961		3.33	mg/kg wet	N/A	0.330	3.04		91		65-140			
Di-n-octyl phthalate	8020961		3.33	mg/kg wet	N/A	0.330	2.97		89		50-145			
Fluoranthene	8020961		3.33	mg/kg wet	N/A	0.330	2.91		87		60-135			
Fluorene	8020961		3.33	mg/kg wet	N/A	0.330	2.72		82		60-125			
Hexachlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	3.06		92		65-140			
Hexachlorobutadiene	8020961		3.33	mg/kg wet	N/A	0.330	2.48		74		35-110			
Hexachlorocyclopentadiene	8020961		3.33	mg/kg wet	N/A	0.660	2.36		71		20-115			
Hexachloroethane	8020961		3.33	mg/kg wet	N/A	0.330	2.33		70		35-105			
Indeno (1,2,3-cd) pyrene	8020961		3.33	mg/kg wet	N/A	0.330	2.96		89		60-135			
Isophorone	8020961		3.33	mg/kg wet	N/A	0.330	2.63		79		45-120			
1-Methylnaphthalene	8020961		1.67	mg/kg wet	N/A	0.330	1.31		78		35-130			
2-Methylnaphthalene	8020961		3.33	mg/kg wet	N/A	0.330	2.59		78		45-110			
Naphthalene	8020961		3.33	mg/kg wet	N/A	0.330	2.40		72		40-100			
2-Nitroaniline	8020961		3.33	mg/kg wet	N/A	0.330	2.72		82		50-145			
3-Nitroaniline	8020961		3.33	mg/kg wet	N/A	0.330	2.92		88		50-145			
4-Nitroaniline	8020961		3.33	mg/kg wet	N/A	0.330	2.80		84		50-145			
Nitrobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.48		74		40-105			
N-Nitrosodimethylamine	8020961		3.33	mg/kg wet	N/A	0.330	2.26		68		35-105			
N-Nitrosodiphenylamine	8020961		3.33	mg/kg wet	N/A	0.330	3.01		90		50-130			
N-Nitrosodi-n-propylamine	8020961		3.33	mg/kg wet	N/A	0.330	2.39		72		45-115			
N-Nitrosodi-n-butylamine	8020961		3.33	mg/kg wet	N/A	0.330	2.75		82		50-115			
N-Nitrosodiethylamine	8020961		3.33	mg/kg wet	N/A	0.330	2.38		72		35-105			
N-Nitrosopyrrolidine	8020961		3.33	mg/kg wet	N/A	0.330	2.55		76		45-120			
Phenanthrene	8020961		3.33	mg/kg wet	N/A	0.330	2.92		88		60-130			
Pyrene	8020961		3.33	mg/kg wet	N/A	0.330	2.88		86		55-135			
Pyridine	8020961		3.33	mg/kg wet	N/A	0.330	1.92		57		25-90			
Pentachlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.91		87		60-130			
1,2,4,5-Tetrachlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.66		80		45-110			
1,2,4-Trichlorobenzene	8020961		3.33	mg/kg wet	N/A	0.330	2.46		74		40-105			
Benzoic acid	8020961		3.33	mg/kg wet	N/A	0.660	0.315		9		10-75			L1
4-Chloro-3-methylphenol	8020961		3.33	mg/kg wet	N/A	0.330	2.70		81		55-115			
2-Chlorophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.29		69		45-100			

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Received: 02/26/08
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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Cresol(s)	8020961		6.67	mg/kg wet	N/A	0.330	4.65		70		45-110			
2,4-Dichlorophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.55		77		50-105			
2,4-Dimethylphenol	8020961		3.33	mg/kg wet	N/A	0.330	2.16		65		45-100			
2,4-Dinitrophenol	8020961		3.33	mg/kg wet	N/A	0.330	0.985		30		10-100			
2,5-Dinitrophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.39		72		10-100			
4,6-Dinitro-2-methylphenol	8020961		3.33	mg/kg wet	N/A	0.330	2.40		72		15-110			
2-Methylphenol (o-Cresol)	8020961		3.33	mg/kg wet	N/A	0.330	2.29		69		45-105			
4-Methylphenol (p-Cresol)	8020961		3.33	mg/kg wet	N/A	0.330	2.36		71		50-105			
2-Nitrophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.46		74		45-100			
4-Nitrophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.80		84		50-145			
Pentachlorophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.52		76		25-120			
Phenol	8020961		3.33	mg/kg wet	N/A	0.330	2.27		68		45-100			
2,4,5-Trichlorophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.78		83		65-125			
2,4,6-Trichlorophenol	8020961		3.33	mg/kg wet	N/A	0.330	2.86		86		60-120			
Surrogate: Nitrobenzene-d5	*8020961*			mg/kg wet					*73*		*40-100*			
Surrogate: 2-Fluorobiphenyl	*8020961*			mg/kg wet					*81*		*55-115*			
Surrogate: Terphenyl-d14	*8020961*			mg/kg wet					*90*		*65-140*			
Surrogate: Phenol-d6	*8020961*			mg/kg wet					*70*		*45-105*			
Surrogate: 2-Fluorophenol	*8020961*			mg/kg wet					*67*		*40-95*			
Surrogate: 2,4,6-Tribromophenol	*8020961*			mg/kg wet					*93*		*55-150*			
Polychlorinated Biphenyls by EPA Method 8082														
PCB-1221	8020909		0.167	mg/kg wet	N/A	0.0500	0.101		61		41-131			
Surrogate: Decachlorobiphenyl	*8020909*			mg/kg wet					*95*		*59-140*			
Surrogate: Tetrachloro-meta-xylene	*8020909*			mg/kg wet					*82*		*46-136*			

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters														
QC Source Sample: WRB0772-01														
Chloride	8030053	57.6	609.03	mg/kg dry	N/A	30	588	767	87	117	75-125	27	20	R2
Metals														
QC Source Sample: WRB0649-09														
Arsenic	8020504	8.32	56.885	mg/kg dry	N/A	1.6	59.1	55.1	89	82	67-127	7	21	
Barium	8020504	31.9	28.442	mg/kg dry	N/A	0.13	54.5	53.9	79	77	57-124	1	32	
Cadmium	8020504	<0.10	28.442	mg/kg dry	N/A	0.11	21.7	20.8	76	73	65-118	4	18	
Chromium	8020504	10.5	28.442	mg/kg dry	N/A	0.20	33.5	32.6	81	78	63-122	3	21	
Lead	8020504	4.61	56.885	mg/kg dry	N/A	1.4	49.3	47.2	79	75	67-120	4	18	
Selenium	8020504	<4.0	113.77	mg/kg dry	N/A	4.6	95.1	90.1	84	79	63-120	5	21	
Silver	8020504	0.151	28.442	mg/kg dry	N/A	0.13	24.8	23.4	86	82	65-121	6	30	
QC Source Sample: WRB0772-04														
Mercury	8020571	0.0118	0.3184 1	mg/kg dry	N/A	0.013	0.270	0.272	81	82	56-140	1	24	
QC Source Sample: WRB0772-10														
Arsenic	8030022	17.1	62.071	mg/kg dry	N/A	1.7	70.3	74.4	86	92	67-127	6	21	
Barium	8030022	58.3	31.036	mg/kg dry	N/A	0.14	76.5	97.3	59	126	57-124	24	32	
Cadmium	8030022	0.927	31.036	mg/kg dry	N/A	0.12	23.7	24.1	73	75	65-118	2	18	
Chromium	8030022	4.31	31.036	mg/kg dry	N/A	0.22	29.9	32.3	82	90	63-122	8	21	
Lead	8030022	67.7	62.071	mg/kg dry	N/A	1.5	113	126	74	94	67-120	11	18	
Selenium	8030022	<4.0	124.14	mg/kg dry	N/A	5.0	107	99.4	87	80	63-120	8	21	
Silver	8030022	0.0860	31.036	mg/kg dry	N/A	0.14	27.9	26.3	89	84	65-121	6	30	
PNAs by SW8310														
QC Source Sample: WRB0718-01														
Acenaphthene	8020499	0.00	460.27	ug/kg dry	N/A	58	346	403	75	88	62-127	15	37	
Acenaphthylene	8020499	0.00	920.55	ug/kg dry	N/A	98	696	750	76	81	68-122	7	29	
Anthracene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	44.1	45.4	96	99	50-138	3	26	
Benzo (a) anthracene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	41.3	43.1	90	94	45-153	4	40	
Benzo (b) fluoranthene	8020499	0.00	92.055	ug/kg dry	N/A	5.8	92.1	97.5	100	106	69-149	6	23	
Benzo (k) fluoranthene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	51.5	53.7	112	117	66-153	4	26	
Benzo (a) pyrene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	43.5	43.1	95	94	39-147	1	36	
Benzo (g,h,i) perylene	8020499	0.00	92.055	ug/kg dry	N/A	5.8	90.9	96.5	99	105	63-152	6	27	
Chrysene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	40.2	43.4	87	94	53-149	8	41	
Dibenzo (a,h) anthracene	8020499	0.00	92.055	ug/kg dry	N/A	8.6	89.8	95.9	98	104	81-134	7	20	
Fluoranthene	8020499	0.00	92.055	ug/kg dry	N/A	12	91.4	97.3	99	106	62-143	6	21	
Fluorene	8020499	0.00	92.055	ug/kg dry	N/A	12	72.0	86.1	78	94	51-133	18	38	
Indeno (1,2,3-cd) pyrene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	51.4	50.4	112	110	55-151	2	30	
1-Methylnaphthalene	8020499	0.00	460.27	ug/kg dry	N/A	35	359	396	78	86	64-126	10	33	
2-Methylnaphthalene	8020499	0.00	460.27	ug/kg dry	N/A	29	287	368	62	80	44-131	25	42	
Naphthalene	8020499	0.00	460.27	ug/kg dry	N/A	35	430	459	93	100	60-125	7	30	
Phenanthrene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	47.0	50.5	102	110	57-155	7	28	
Pyrene	8020499	0.00	46.027	ug/kg dry	N/A	5.8	43.5	43.8	95	95	47-147	1	38	
Surrogate: 2-Fluorobiphenyl	*8020499*			ug/kg dry					*86*	*99*	*55-120*			
Semivolatile Organics by GC/MS														
QC Source Sample: WRB0772-01														
Acenaphthene	8020961	2.88	4.01	mg/kg dry	N/A	2.01	5.46	5.03	64	53	35-130	8	40	
Acenaphthylene	8020961	0.970	4.01	mg/kg dry	N/A	2.01	4.63	4.39	91	85	35-130	5	40	
Anthracene	8020961	6.37	4.01	mg/kg dry	N/A	2.01	21.8	19.6	386	326	35-130	11	40	M1

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Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
QC Source Sample: WRB0772-01														
Benzidine	8020961	<3.30	4.01	mg/kg dry	N/A	20.1	0.467	0.627	12	16	20-115	29	40	M1
Benzo (a) anthracene	8020961	16.4	4.01	mg/kg dry	N/A	2.01	14.5	14.4	-48	-49	40-135	1	40	M1
Benzo (b) fluoranthene	8020961	12.3	4.01	mg/kg dry	N/A	2.01	11.4	12.0	-24	-7	35-130	6	40	M1
Benzo (k) fluoranthene	8020961	12.7	4.01	mg/kg dry	N/A	2.01	11.9	11.8	-21	-23	25-120	1	40	M1
Benzo (a) pyrene	8020961	15.9	4.01	mg/kg dry	N/A	2.01	13.8	14.1	-51	-43	30-125	2	40	M1
Benzo (g,h,i) perylene	8020961	10.1	4.01	mg/kg dry	N/A	2.01	10.6	10.7	13	15	30-125	1	40	M1
Benzyl alcohol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.38	3.11	84	77	40-120	8	40	
Butyl benzyl phthalate	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.82	3.54	95	87	35-130	8	40	
Bis(2-chloroethyl)ether	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.44	3.24	86	80	25-120	6	40	
Bis(2-chloroethoxy)methane	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.61	3.46	90	86	25-120	4	40	
Bis(2-ethylhexyl)phthalate	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.84	3.80	96	94	35-130	1	40	
Bis(2-chloroisopropyl) ether	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.34	3.26	83	81	30-115	2	40	
4-Bromophenyl phenyl ether	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	4.13	3.96	103	98	40-130	4	40	
Carbazole	8020961	2.23	4.01	mg/kg dry	N/A	2.01	5.18	4.98	74	68	40-135	4	40	
4-Chloroaniline	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.19	3.03	80	75	25-120	5	40	
2-Chloronaphthalene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.80	3.81	95	94	35-120	0	40	
4-Chlorophenyl phenyl ether	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.81	3.53	95	87	40-125	8	35	
Chrysene	8020961	17.6	4.01	mg/kg dry	N/A	2.01	14.7	14.7	-71	-70	40-135	0	40	M1
Dibenzo (a,h) anthracene	8020961	3.22	4.01	mg/kg dry	N/A	2.01	5.37	5.70	54	61	30-125	6	40	
Dibenzofuran	8020961	1.87	4.01	mg/kg dry	N/A	2.01	5.08	4.63	80	68	35-130	9	40	
Di-n-butyl phthalate	8020961	0.655	4.01	mg/kg dry	N/A	2.01	4.42	4.34	94	91	40-130	2	40	
1,2-Dichlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.29	3.14	82	78	25-110	5	40	
1,3-Dichlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.37	2.95	84	73	20-110	13	40	
1,4-Dichlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.13	3.11	78	77	20-110	1	40	
3,3'-Dichlorobenzidine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	2.78	2.91	69	72	40-135	5	35	
Diethyl phthalate	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.72	3.61	93	89	45-130	3	40	
1,2-Diphenylhydrazine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.25		81		30-125			
Dimethyl phthalate	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.80	3.48	95	86	50-130	9	35	
2,4-Dinitrotoluene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.73	3.66	93	90	40-135	2	40	
2,6-Dinitrotoluene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.73	3.70	93	92	40-135	1	40	
Di-n-octyl phthalate	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.47	3.45	87	85	35-130	1	40	
Fluoranthene	8020961	41.8	4.01	mg/kg dry	N/A	2.01	30.3		-288		40-135			M1
Fluorene	8020961	2.96	4.01	mg/kg dry	N/A	2.01	5.32	4.80	59	46	40-130	10	40	
Hexachlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.95	3.79	98	94	40-135	4	40	
Hexachlorobutadiene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.54	3.37	88	83	20-110	5	40	
Hexachlorocyclopentadiene	8020961	<0.66	4.01	mg/kg dry	N/A	4.02	1.11	0.850	28	21	10-95	27	40	
Hexachloroethane	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.42	3.18	85	79	15-110	7	40	
Indeno (1,2,3-cd) pyrene	8020961	8.92	4.01	mg/kg dry	N/A	2.01	9.84	10.2	23	31	30-125	3	40	M1
Isophorone	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.52	3.34	88	83	40-115	5	40	
1-Methylnaphthalene	8020961	1.08	2.00	mg/kg dry	N/A	2.01	2.39		65		35-130			
2-Methylnaphthalene	8020961	1.26	4.01	mg/kg dry	N/A	2.01	4.23	3.95	74	67	30-120	7	40	
Naphthalene	8020961	2.88	4.01	mg/kg dry	N/A	2.01	4.38	3.87	37	25	30-115	12	40	M1
2-Nitroaniline	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.55	3.44	89	85	45-135	3	40	
3-Nitroaniline	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.39	3.33	85	82	40-135	2	40	
4-Nitroaniline	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.36	3.13	84	77	40-135	7	40	

SIGMA ENVIRONMENTAL SERV. - Milwaukee
1300 West Canal Street
Milwaukee, WI 53233
Mr. Steve Meer

Work Order: WRB0772
Project: 10813 City of Milwaukee
Project Number: 10813 - 1027 N. Edison Street

Received: 02/26/08
Reported: 03/06/08 15:22

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
QC Source Sample: WRB0772-01														
Nitrobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.47	3.28	87	81	30-115	5	40	
N-Nitrosodimethylamine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.13	2.66	78	66	35-110	16	40	
N-Nitrosodiphenylamine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	4.27	4.10	107	101	30-125	4	40	
N-Nitrosodi-n-propylamine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.47	3.33	87	82	35-120	4	40	
N-Nitrosodi-n-butylamine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.67		92		35-115			
N-Nitrosodiethylamine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.20		80		35-110			
N-Nitrosopyrrolidine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.51		88		40-115			
Pyrene	8020961	27.0	4.01	mg/kg dry	N/A	2.01	29.2	2.02E8	55	)000000(	40-135	200	40	
Pyridine	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	2.62	2.44	65	60	25-105	7	40	
Pentachlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	4.00		100		35-130			
1,2,4,5-Tetrachlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.73		93		30-110			
1,2,4-Trichlorobenzene	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.64	3.49	91	86	25-115	4	40	
Benzoic acid	8020961	<0.66	4.01	mg/kg dry	N/A	4.02	0.176	0.215	4	5	10-30	20	40	M1
4-Chloro-3-methylphenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.54	3.42	88	85	50-125	3	40	
2-Chlorophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.37	3.05	84	75	35-115	10	40	
Cresol(s)	8020961	<0.33	8.01	mg/kg dry	N/A	2.01	6.99	6.72	87	83	45-115	4	40	
2,4-Dichlorophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.68	3.51	92	87	35-115	5	40	
2,4-Dimethylphenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.34	3.38	83	84	40-110	1	40	
2,4-Dinitrophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	0.348	<2.01	9		10-75		40	M1,R
2,5-Dinitrophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	1.58		39		10-75			
4,6-Dinitro-2-methylphenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	1.82	0.987	45	24	10-105	59	40	R
2-Methylphenol (o-Cresol)	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.46	3.14	86	78	40-115	10	40	
4-Methylphenol (p-Cresol)	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.53	3.57	88	88	45-115	1	35	
2-Nitrophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.48	3.21	87	79	25-120	8	40	
4-Nitrophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	2.75	2.50	69	62	25-120	10	40	
Pentachlorophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	1.94	2.33	48	58	10-95	18	40	
Phenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.36	3.17	84	78	40-115	6	35	
2,4,5-Trichlorophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.73	3.48	93	86	35-130	7	40	
2,4,6-Trichlorophenol	8020961	<0.33	4.01	mg/kg dry	N/A	2.01	3.82	3.74	95	92	30-125	2	40	
Surrogate: Nitrobenzene-d5	*8020961*			mg/kg dry					*80*	*77*	*35-115*			
Surrogate: 2-Fluorobiphenyl	*8020961*			mg/kg dry					*92*	*87*	*30-125*			
Surrogate: Terphenyl-d14	*8020961*			mg/kg dry					*90*	*86*	*40-135*			
Surrogate: Phenol-d6	*8020961*			mg/kg dry					*83*	*75*	*45-120*			
Surrogate: 2-Fluorophenol	*8020961*			mg/kg dry					*74*	*68*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*8020961*			mg/kg dry					*85*	*85*	*40-135*			
Polychlorinated Biphenyls by EPA Method 8082														
QC Source Sample: CRB0987-01														
PCB-1221	8020909	<0.050	0.192	mg/kg dry	N/A	0.0578	0.107	0.102	56	54	36-126	5	20	M1
Surrogate: Decachlorobiphenyl	*8020909*			mg/kg dry					*93*	*97*	*59-140*			
Surrogate: Tetrachloro-meta-xylene	*8020909*			mg/kg dry					*85*	*75*	*46-136*			

SIGMA ENVIRONMENTAL SERV. - Milwaukee	Work Order:	WRB0772	Received: 02/26/08
1300 West Canal Street	Project:	10813 City of Milwaukee	Reported: 03/06/08 15:22
Milwaukee, WI 53233	Project Number:	10813 - 1027 N. Edison Street	
Mr. Steve Meer			

CERTIFICATION SUMMARY

TestAmerica Watertown

Method	Matrix	Nelac	Wisconsin
EPA 245.5	Solid/Soil		X
SW 5035	Solid/Soil	X	X
SW 6010B	Solid/Soil	X	X
SW 8260B	Solid/Soil	X	X
SW 8310	Solid/Soil	X	X
SW 9251	Solid/Soil		X

Subcontracted Laboratories

TestAmerica Analytical - Cedar Falls NELAC Cert #000668, Wisconsin Cert #999917270, Illinois Cert #000668, Minnesota Cert #019-999-319, Iowa Cert #007
704 Enterprise Drive - Cedar Falls, IA 50613

Method Performed: SM 2540 G
Samples: WRB0772-01, WRB0772-02, WRB0772-03, WRB0772-04, WRB0772-05, WRB0772-06, WRB0772-07, WRB0772-08, WRB0772-09, WRB0772-10, WRB0772-11, WRB0772-12

Method Performed: SW 8082
Samples: WRB0772-01, WRB0772-02, WRB0772-02RE1, WRB0772-03, WRB0772-04, WRB0772-05, WRB0772-06, WRB0772-07, WRB0772-08, WRB0772-08RE1, WRB0772-09, WRB0772-10, WRB0772-11, WRB0772-12

Method Performed: SW 8270C
Samples: WRB0772-01, WRB0772-03, WRB0772-05, WRB0772-07, WRB0772-09, WRB0772-11

DATA QUALIFIERS AND DEFINITIONS

C9	Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was outside control limits.
M1	The MS and/or MSD were outside control limits.
R	Sample duplicate RPD exceeded the laboratory control limit.
R2	The RPD exceeded the acceptance limit.
RL1	Reporting limit raised due to sample matrix effects.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ZX	Due to sample matrix effects, the surrogate recovery was outside the control limits.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

WRB0772 1 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Sigma Environmental
Client #: _____
Address: 1300 W. Canal St.
City/State/Zip Code: Milwaukee / WI / 53233
Project Manager: Steve Meer
Telephone Number: 414-643-4124
Fax: 414-643-4210
Sampler Name: (Print Name) Steve Meer
Sampler Signature: [signature]

Project Name: 1027 N. Edison St.
Project #: 10813
Site/Location ID: _____
State: WI
Report To: Steve Meer
Invoice To: Same
Quote #: _____
PO#: _____

E-mail address: _____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N
E-mail: Y N

Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other

Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)

Analyze For: VOC, SVOC, PAH, RCRA Metals, PCBS, Chloride

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	VOC	SVOC	PAH	RCRA Metals	PCBS	Chloride					REMARKS
01	GP-1 2-4	2/25	9:15	G		S					1	3		X	X		X	X	X					
02	GP-1 6-8	2/25	9:45	G		S					1	3		X		X	X	X	X					
03	GP-2 2-4	2/25	10:30	G		S					1	3		X	X	[illegible]	X	X	X					
04	GP-2 10-12	2/25	11:00	G		S					1	3		X		X	X	X	X					
05	GP-3 2-4	2/25	12:00	G		S					1	3		X	X	[illegible]	X	X	X					
06	GP-3 6-8	2/25	12:30	G		S					1	3		X		X	X	X	X					
07	GP-4 0-2	2/25	13:00	G		S					1	3		X	X		X	X	X					
08	GP-4 4-8	2/25	13:30	G		S					1	3		X		X	X	X	X					
09	GP-5 2-4	2/25	14:00	G		S					1	3		X	X		X	X	X					
10	GP-5 6-8	2/25	14:30	G		S					1	3		X		X	X	X	X					

Special Instructions:

Relinquished By: [signature]	Date: 2/26	Time: 9:30	Received By: Roy Wolff	Date: 2/26/08	Time: 11:15
Relinquished By: Roy Wolff	Date: 2/26/08	Time: ~~[illegible]~~	Received By: Tim Spaude	Date: 2/26/08	Time: 15:27
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp: on Ice
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment: TA

TAL-0020 (1207)

R 2/26/08

WRBO'772 2of2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Sigma Environmental
Client #: _____
Address: 1300 W. Canal St.
City/State/Zip Code: Milwaukee/WI/53233
Project Manager: Steve Meer
Telephone Number: 414-643-4124
Fax: 414-643-4210
Sampler Name: (Print Name) Steve Meer
Sampler Signature: [signature]

Project Name: 1027 N. Edison St.
Project #: 10813
Site/Location ID: _____
State: WI
Report To: Steve Meer
Invoice To: same
Quote #: _____
PO#: _____

E-mail address: _____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N
E-mail: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other)	HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	VOC	SVOC	PAH	RCRA metals	PCBs	Chloride					REMARKS
11-	GP-6 0-2	2/25	15:00	G		S					1	3		X	X		X	X	X					
12-	GP-6 6-8	2/25	15:30	G		S					1	3		X		X	X	X	X					

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp: ON Ice
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	2/26	9:30	[signature]	2/26/08	11:15
[signature]	2/26/08	12:10	T Spaude	2/26/08	15:27

TAL-0020 (1207)

R 2/26/08