

Hnat, John J - DNR

From: Kevin Bugel [kbugel@gilesengr.com]
Sent: Tuesday, March 15, 2011 11:58 AM
To: Hnat, John J - DNR
Cc: Enoch, Melissa L - DNR
Subject: Bishop's Creek Groundwater Data....
Attachments: 1E-0912014 Reference Figure & GW Analytical Summaries.pdf

F10 341 055 770
GW STATUS RPT

Hi John:

Please see the attached PDF for a Site Plan and groundwater analytical data collected during the First Quarter 2011 for your review and files. Please contact me via email or at the number listed below if you have additional questions.

Thank you,

Kevin-

Kevin T. Bugel, P.G., C.P.G.
Environmental Division Manager

GILES ENGINEERING ASSOCIATES, INC.

N8 W22350 Johnson Drive, Suite A1
Waukesha, WI 53186
Cell: 262-408-8839
Phone: 262/544-0118
Fax: 262/549-5868
www.gilesengr.com

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GROUNDWATER ANALYTICAL RESULTS SUMMARY
Detected PAH's

Bishops Creek Community Development Corporation
 4759 North 32nd Street
 Milwaukee, Wisconsin
 Project No. 1E-0912014

Detected PAH Results															
Sample Location	Sample Date	Anthracene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Chrysene	Fluoranthene	Fluorene	Ind (1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
GMW-1	01/31/11	0.15	<0.047	<0.11	<0.053	<0.034	<0.044	<0.087	1.3	<0.067	<0.34	<0.33	<0.43	1.5	<0.047
GMW-2	01/31/11	<0.040	<0.047	<0.10	<0.052	<0.034	<0.044	<0.086	<0.066	<0.066	<0.34	<0.33	<0.43	<0.032	<0.047
GMW-3	01/31/11	<0.038	<0.044	<0.099	<0.049	<0.032	<0.041	<0.082	<0.063	<0.063	<0.32	<0.31	<0.40	<0.030	<0.044
GMW-4	01/31/11	<0.040	<0.046	<0.10	<0.052	<0.034	<0.043	<0.085	<0.065	<0.065	<0.34	<0.33	<0.42	<0.032	<0.046
GMW-5	01/31/11	<0.039	<0.045	<0.010	<0.050	(0.051j)	(0.044j)	0.25j	<0.063	<0.063	<0.33	<0.32	<0.41	0.13	0.099
GMW-6	01/31/11	0.160	0.089j	(0.11j)	0.070	(0.15)	(0.19)	0.68	0.25j	0.11j	0.64j	0.92j	1.3	0.64	0.58
GPZ-1	01/31/11	<0.038	<0.044	<0.098	<0.049	<0.032	<0.041	<0.081	<0.062	<0.062	<0.32	<0.31	<0.40	<.030	<.044
NR140 ES		3000	NS	.2	NS	.2	.2	400	400	NS	NS	NS	100	NS	250
NR140 PAL		600	NS	.02	NS	.02	.02	80	80	NS	NS	NS	10	NS	50

Notes:

ug/L: Micrograms per liter; equivalent to parts per billion (ppb)

j: Concentration was detected between the laboratory detection limit and the quantitation limit

NS: No Established Standard

Results indicated in red/underlined exceed the Wisconsin Administrative Code NR 140 Enforcement Standard (ES)

Results indicated in blue/parenthesis are above the Wisconsin Administrative Code NR 140 Preventive Action Limits (PAL)

GROUNDWATER ANALYTICAL RESULTS SUMMARY
Detected VOC's and RCRA Metals

Bishops Creek Community Development Corporation
4759 North 32nd Street
Milwaukee, Wisconsin

Project No. 1E-0912014

Detected Volatile Organic Compounds (VOCs) (ug/L)														
Sample Location	Sample Date	Benzene	Chlormethane	1,1-DCA	cis-1,2-DCE	EthylbBenzene	Napthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Xylenes	Arsenic	Chromium	Lead
GMW-1	01/31/11	<0.80	<1.2	3.80	<2.1	<2.0	9.3j	3.1j	<0.80	<0.80	<2.0	12	0.64	<1.2
GMW-2	01/31/11	<0.20	<0.30	<0.50	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	<3.1	<3.1	<3.1
GMW-3	01/31/11	<0.20	<0.30	<0.50	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	<0.61	0.82j	<0.61
GMW-4	01/31/11	<0.20	<0.30	<0.50	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	<1.2	<0.61	<0.61
GMW-5	01/31/11	<0.20	<0.30	<0.50	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	(2.4j)	4.2	(13.0)
GMW-6	01/31/11	(3.3)	1.2j	<0.50	<0.50	0.98j	1.4j	5.1	1.5j	0.44j	4.6	(5.8)	3.2j	<1.2
GPZ-1	01/31/11	<0.20	<0.30	<0.50	<0.50	<0.50	<0.25	<0.50	<0.20	<0.20	<0.50	(1.5j)	<0.61	<0.61
NR140 ES		5.0	30	850	70	700	100	800	480		2,000	10	100	15
NR140 PAL		0.5	3	85	7	140	10	160	96		400	1.0	10	1.5

Notes:

DCA: Dichloromethane

DCE: Dichloroethene

TMB: Trimethylbenzene

ug/L: Micrograms per liter; equivalent to parts per billion (ppb)

" - ": No data collected and/or well not installed.

j: Concentration was detected between the laboratory detection limit and the quantitation limit

Results indicated in red/underlined exceed the Wisconsin Administrative Code NR 140 Enforcement Standard (ES)

Results indicated in blue/parenthesis are above the Wisconsin Administrative Code NR 140 Preventive Action Limits (PAL)

February 11, 2011

Client: GILES ENGINEERING - WISCONSIN
N8 W22350 Johnson Road
Waukesha, WI 53186

Work Order: WUB0032
Project Name: 1E-0912014 Milwaukee, WI
Project Number: 4759 North 32nd Street

Attn: Mr. Kevin Bugel

Date Received: 02/01/11

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
GPZ-1	WUB0032-01	01/31/11 09:00
GMW-1	WUB0032-02	01/31/11 09:45
GMW-2	WUB0032-03	01/31/11 10:30
GMW-3	WUB0032-04	01/31/11 11:10
GMW-4	WUB0032-05	01/31/11 11:40
GMW-5	WUB0032-06	01/31/11 12:05
GMW-6	WUB0032-07	01/31/11 13:00
Trip Blank	WUB0032-08	02/01/11

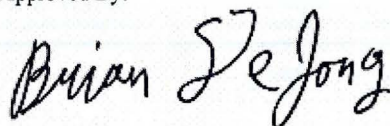
Samples were received on ice into laboratory at a temperature of 2 °C.

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:



TestAmerica Watertown
Brian DeJong For Dan F. Milewsky
Project Manager

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-01 (GPZ-1 - Ground Water)							Sampled: 01/31/11 09:00			
Metals Dissolved										
Arsenic	1.5	J	ug/L	0.61	2.0	1	02/04/11 09:53	kjk	11B0053	SW 6020A
Barium	82		ug/L	1.2	4.0	2	02/04/11 09:56	kjk	11B0053	SW 6020A
Chromium	<0.61		ug/L	0.61	2.0	1	02/04/11 09:53	kjk	11B0053	SW 6020A
Lead	<0.61		ug/L	0.61	2.0	1	02/04/11 09:53	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:01	jej	11B0078	SW 7470A
Selenium	0.81	J	ug/L	0.61	2.0	1	02/04/11 09:53	kjk	11B0053	SW 6020A
Silver	<1.2		ug/L	1.2	4.0	2	02/04/11 09:56	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-01 (GPZ-1 - Ground Water) - cont.							Sampled: 01/31/11 09:00			
VOCs by SW8260B - cont.										
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/04/11 00:58	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	<i>102 %</i>									
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>									
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	<i>100 %</i>									
PNAs by SW8310										
Acenaphthene	<0.33		ug/L	0.33	1.3	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Acenaphthylene	<0.69		ug/L	0.69	2.5	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Anthracene	<0.038		ug/L	0.038	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.044		ug/L	0.044	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.098		ug/L	0.098	0.25	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.049		ug/L	0.049	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Benzo (a) pyrene	<0.032		ug/L	0.032	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.12		ug/L	0.12	0.25	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Chrysene	<0.041		ug/L	0.041	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.13		ug/L	0.13	0.25	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Fluoranthene	<0.081		ug/L	0.081	0.25	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Fluorene	<0.062		ug/L	0.062	0.25	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.062		ug/L	0.062	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.32		ug/L	0.32	1.3	1	02/09/11 20:05	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.31		ug/L	0.31	1.3	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Naphthalene	<0.40		ug/L	0.40	1.3	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Phenanthrene	<0.030		ug/L	0.030	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
Pyrene	<0.044		ug/L	0.044	0.13	1	02/09/11 20:05	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	<i>98 %</i>									

GILES ENGINEERING - WISCONSIN
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 Mr. Kevin Bugel

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 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-02 (GMW-1 - Ground Water)							Sampled: 01/31/11 09:45			
Metals Dissolved										
Arsenic	12		ug/L	1.2	4.0	2	02/04/11 10:00	kjk	11B0053	SW 6020A
Barium	240		ug/L	3.1	10	5	02/04/11 10:03	kjk	11B0053	SW 6020A
Cadmium	<0.60		ug/L	0.60	2.0	5	02/04/11 10:03	kjk	11B0053	SW 6020A
Chromium	0.64	J	ug/L	0.61	2.0	1	02/04/11 09:58	kjk	11B0053	SW 6020A
Lead	<1.2		ug/L	1.2	4.0	2	02/04/11 10:00	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:08	jej	11B0078	SW 7470A
Selenium	<1.2		ug/L	1.2	4.0	2	02/04/11 10:00	kjk	11B0053	SW 6020A
Silver	<3.1		ug/L	3.1	10	5	02/04/11 10:03	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Bromobenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Bromochloromethane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Bromodichloromethane	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Bromoform	<0.80	RL9	ug/L	0.80	20	4	02/04/11 01:25	mae	11B0046	SW 8260B
Bromomethane	<2.0	RL9	ug/L	2.0	20	4	02/04/11 01:25	mae	11B0046	SW 8260B
n-Butylbenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
sec-Butylbenzene	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Carbon Tetrachloride	<3.2	RL9	ug/L	3.2	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Chlorobenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Chloroethane	<4.0	RL9	ug/L	4.0	20	4	02/04/11 01:25	mae	11B0046	SW 8260B
Chloroform	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Chloromethane	<1.2	RL9	ug/L	1.2	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
2-Chlorotoluene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Dibromomethane	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1-Dichloroethane	3.8	J,RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2-Dichloroethane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1-Dichloroethene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2-Dichloropropane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,3-Dichloropropane	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
2,2-Dichloropropane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1-Dichloropropene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
2,3-Dichloropropene	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Isopropyl Ether	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Ethylbenzene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Hexachlorobutadiene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Isopropylbenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Methylene Chloride	<4.0	RL9	ug/L	4.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-02 (GMW-1 - Ground Water) - cont.							Sampled: 01/31/11 09:45			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Naphthalene	9.3	J,RL9	ug/L	1.0	20	4	02/04/11 01:25	mae	11B0046	SW 8260B
n-Propylbenzene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Styrene	<2.0	RL9	ug/L	2.0	20	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Tetrachloroethene	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Toluene	3.1	J,RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<1.0	RL9	ug/L	1.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Trichloroethene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Trichlorofluoromethane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Vinyl chloride	<0.80	RL9	ug/L	0.80	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
Xylenes, Total	<2.0	RL9	ug/L	2.0	8.0	4	02/04/11 01:25	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	<i>101 %</i>	<i>RL9</i>								
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>	<i>RL9</i>								
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	<i>100 %</i>	<i>RL9</i>								
PNAs by SW8310										
Acenaphthene	<0.35		ug/L	0.35	1.4	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Acenaphthylene	<0.74		ug/L	0.74	2.7	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Anthracene	0.15		ug/L	0.041	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.047		ug/L	0.047	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.11		ug/L	0.11	0.27	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.053		ug/L	0.053	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Benzo (a) pyrene	<0.034		ug/L	0.034	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.13		ug/L	0.13	0.27	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Chrysene	<0.044		ug/L	0.044	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.14		ug/L	0.14	0.27	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Fluoranthene	<0.087		ug/L	0.087	0.27	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Fluorene	1.3		ug/L	0.067	0.27	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.067		ug/L	0.067	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.34		ug/L	0.34	1.4	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.33		ug/L	0.33	1.4	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Naphthalene	<0.43		ug/L	0.43	1.4	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Phenanthrene	1.5		ug/L	0.032	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
Pyrene	<0.047		ug/L	0.047	0.14	1.1	02/09/11 21:53	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	<i>113 %</i>									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-03 (GMW-2 - Ground Water)						Sampled: 01/31/11 10:30				
Metals Dissolved										
Arsenic	<3.1		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Barium	380		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Cadmium	<0.60		ug/L	0.60	2.0	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Chromium	<3.1		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Lead	<3.1		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:10	jej	11B0078	SW 7470A
Selenium	<3.1		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
Silver	<3.1		ug/L	3.1	10	5	02/04/11 10:05	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-03 (GMW-2 - Ground Water) - cont.							Sampled: 01/31/11 10:30			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Tetrachloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/04/11 01:51	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	103 %									
<i>Surr: Toluene-d8 (80-120%)</i>	98 %									
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	99 %									
PNAs by SW8310										
Acenaphthene	<0.35		ug/L	0.35	1.4	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Acenaphthylene	<0.73		ug/L	0.73	2.7	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Anthracene	<0.040		ug/L	0.040	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.047		ug/L	0.047	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.10		ug/L	0.10	0.27	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.052		ug/L	0.052	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Benzo (a) pyrene	<0.034		ug/L	0.034	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.13		ug/L	0.13	0.27	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Chrysene	<0.044		ug/L	0.044	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.14		ug/L	0.14	0.27	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Fluoranthene	<0.086		ug/L	0.086	0.27	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Fluorene	<0.066		ug/L	0.066	0.27	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.066		ug/L	0.066	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.34		ug/L	0.34	1.4	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.33		ug/L	0.33	1.4	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Naphthalene	<0.43		ug/L	0.43	1.4	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Phenanthrene	<0.032		ug/L	0.032	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
Pyrene	<0.047		ug/L	0.047	0.14	1.1	02/09/11 20:27	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	115 %									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-04 (GMW-3 - Ground Water)							Sampled: 01/31/11 11:10			
Metals Dissolved										
Arsenic	<0.61		ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Barium	270		ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Cadmium	<0.12		ug/L	0.12	0.40	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Chromium	0.82	J	ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Lead	<0.61		ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:16	jej	11B0078	SW 7470A
Selenium	<0.61		ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
Silver	<0.61		ug/L	0.61	2.0	1	02/04/11 10:18	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: IE-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-04 (GMW-3 - Ground Water) - cont.							Sampled: 01/31/11 11:10			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/04/11 02:18	mae	11B0046	SW 8260B
Surr: Dibromofluoromethane (80-120%)	101 %									
Surr: Toluene-d8 (80-120%)	99 %									
Surr: 4-Bromofluorobenzene (80-120%)	99 %									
PNAs by SW8310										
Acenaphthene	<0.33		ug/L	0.33	1.3	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Acenaphthylene	<0.70		ug/L	0.70	2.5	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Anthracene	<0.038		ug/L	0.038	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.044		ug/L	0.044	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.099		ug/L	0.099	0.25	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.049		ug/L	0.049	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Benzo (a) pyrene	<0.032		ug/L	0.032	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.12		ug/L	0.12	0.25	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Chrysene	<0.041		ug/L	0.041	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.13		ug/L	0.13	0.25	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Fluoranthene	<0.082		ug/L	0.082	0.25	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Fluorene	<0.063		ug/L	0.063	0.25	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.063		ug/L	0.063	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.32		ug/L	0.32	1.3	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.31		ug/L	0.31	1.3	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Naphthalene	<0.40		ug/L	0.40	1.3	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Phenanthrene	<0.030		ug/L	0.030	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Pyrene	<0.044		ug/L	0.044	0.13	1.0	02/09/11 20:49	CLJ	11B0082	SW 8310
Surr: 2-Fluorobiphenyl (16-138%)	103 %									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-05 (GMW-4 - Ground Water)							Sampled: 01/31/11 11:40			
Metals Dissolved										
Arsenic	<1.2		ug/L	1.2	4.0	2	02/04/11 10:25	kjk	11B0053	SW 6020A
Barium	150		ug/L	1.2	4.0	2	02/04/11 10:25	kjk	11B0053	SW 6020A
Cadmium	<0.24		ug/L	0.24	0.80	2	02/04/11 10:25	kjk	11B0053	SW 6020A
Chromium	<0.61		ug/L	0.61	2.0	1	02/04/11 10:23	kjk	11B0053	SW 6020A
Lead	<0.61		ug/L	0.61	2.0	1	02/04/11 10:23	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:19	jej	11B0078	SW 7470A
Selenium	1.2	J	ug/L	1.2	4.0	2	02/04/11 10:25	kjk	11B0053	SW 6020A
Silver	<1.2		ug/L	1.2	4.0	2	02/04/11 10:25	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: IE-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-05 (GMW-4 - Ground Water) - cont.							Sampled: 01/31/11 11:40			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/04/11 02:44	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	<i>103 %</i>									
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>									
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	<i>100 %</i>									
PNAs by SW8310										
Acenaphthene	<0.35		ug/L	0.35	1.4	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Acenaphthylene	<0.73		ug/L	0.73	2.6	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Anthracene	<0.040		ug/L	0.040	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.046		ug/L	0.046	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.10		ug/L	0.10	0.26	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.052		ug/L	0.052	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Benzo (a) pyrene	<0.034		ug/L	0.034	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.13		ug/L	0.13	0.26	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Chrysene	<0.043		ug/L	0.043	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.14		ug/L	0.14	0.26	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Fluoranthene	<0.085		ug/L	0.085	0.26	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Fluorene	<0.065		ug/L	0.065	0.26	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.065		ug/L	0.065	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.34		ug/L	0.34	1.4	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.33		ug/L	0.33	1.4	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Naphthalene	<0.42		ug/L	0.42	1.4	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Phenanthrene	<0.032		ug/L	0.032	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
Pyrene	<0.046		ug/L	0.046	0.14	1.1	02/09/11 21:10	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	<i>116 %</i>									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method	
Sample ID: WUB0032-06 (GMW-5 - Ground Water)							Sampled: 01/31/11 12:05				
Metals Dissolved											
Arsenic	2.4	J	ug/L	1.2	4.0	2	02/04/11 10:27	kjk	11B0053	SW 6020A	
Barium	200		ug/L	3.1	10	5	02/04/11 10:29	kjk	11B0053	SW 6020A	
Cadmium	0.70	J	ug/L	0.60	2.0	5	02/04/11 10:29	kjk	11B0053	SW 6020A	
Chromium	4.2		ug/L	1.2	4.0	2	02/04/11 10:27	kjk	11B0053	SW 6020A	
Lead	13		ug/L	1.2	4.0	2	02/04/11 10:27	kjk	11B0053	SW 6020A	
Mercury	0.00012	J	mg/L	0.000065	0.00023	1	02/04/11 11:21	jej	11B0078	SW 7470A	
Selenium	<1.2		ug/L	1.2	4.0	2	02/04/11 10:27	kjk	11B0053	SW 6020A	
Silver	<3.1		ug/L	3.1	10	5	02/04/11 10:29	kjk	11B0053	SW 6020A	
VOCs by SW8260B											
Benzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
1,1-Dichloropropene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B	

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-06 (GMW-5 - Ground Water) - cont.							Sampled: 01/31/11 12:05			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Tetrachloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/04/11 03:10	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	<i>101 %</i>									
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>									
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	<i>99 %</i>									
PNAs by SW8310										
Acenaphthene	<0.34		ug/L	0.34	1.3	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Acenaphthylene	<0.70		ug/L	0.70	2.6	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Anthracene	<0.039		ug/L	0.039	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Benzo (a) anthracene	<0.045		ug/L	0.045	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	<0.10		ug/L	0.10	0.26	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	<0.050		ug/L	0.050	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Benzo (a) pyrene	0.051	J	ug/L	0.033	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.12		ug/L	0.12	0.26	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Chrysene	0.044	J	ug/L	0.042	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.13		ug/L	0.13	0.26	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Fluoranthene	0.25	J	ug/L	0.083	0.26	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Fluorene	<0.063		ug/L	0.063	0.26	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	<0.063		ug/L	0.063	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
1-Methylnaphthalene	<0.33		ug/L	0.33	1.3	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
2-Methylnaphthalene	<0.32		ug/L	0.32	1.3	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Naphthalene	<0.41		ug/L	0.41	1.3	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Phenanthrene	0.13		ug/L	0.031	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
Pyrene	0.099	J	ug/L	0.045	0.13	1.0	02/09/11 21:32	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	<i>112 %</i>									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-07 (GMW-6 - Ground Water)							Sampled: 01/31/11 13:00			
Metals Dissolved										
Arsenic	5.8		ug/L	0.61	2.0	1	02/04/11 10:34	kjk	11B0053	SW 6020A
Barium	120		ug/L	3.1	10	5	02/04/11 10:54	kjk	11B0053	SW 6020A
Cadmium	<0.60		ug/L	0.60	2.0	5	02/04/11 10:54	kjk	11B0053	SW 6020A
Chromium	3.2	J	ug/L	1.2	4.0	2	02/04/11 10:36	kjk	11B0053	SW 6020A
Lead	<1.2		ug/L	1.2	4.0	2	02/04/11 10:36	kjk	11B0053	SW 6020A
Mercury	<0.000065		mg/L	0.000065	0.00023	1	02/04/11 11:23	jej	11B0078	SW 7470A
Selenium	<1.2		ug/L	1.2	4.0	2	02/04/11 10:34	kjk	11B0053	SW 6020A
Silver	<3.1		ug/L	3.1	10	5	02/04/11 10:54	kjk	11B0053	SW 6020A
VOCs by SW8260B										
Benzene	3.3		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Chloromethane	1.2	J	ug/L	0.30	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Ethylbenzene	0.98	J	ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-07 (GMW-6 - Ground Water) - cont.							Sampled: 01/31/11 13:00			
VOCs by SW8260B - cont.										
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Naphthalene	1.4	J	ug/L	0.25	5.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Toluene	5.1		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,2,4-Trimethylbenzene	1.5	J	ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
1,3,5-Trimethylbenzene	0.44	J	ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
Xylenes, Total	4.6		ug/L	0.50	2.0	1	02/04/11 03:37	mae	11B0046	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	<i>101 %</i>									
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>									
<i>Surr: 4-Bromofluorobenzene (80-120%)</i>	<i>100 %</i>									
PNAs by SW8310										
Acenaphthene	<0.34		ug/L	0.34	1.3	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Acenaphthylene	<0.70		ug/L	0.70	2.6	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Anthracene	0.16		ug/L	0.039	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Benzo (a) anthracene	0.089	J	ug/L	0.045	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Benzo (b) fluoranthene	0.11	J	ug/L	0.10	0.26	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Benzo (k) fluoranthene	0.070	J	ug/L	0.050	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Benzo (a) pyrene	0.15		ug/L	0.033	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Benzo (g,h,i) perylene	<0.12		ug/L	0.12	0.26	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Chrysene	0.19		ug/L	0.042	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Dibenzo (a,h) anthracene	<0.13		ug/L	0.13	0.26	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Fluoranthene	0.68		ug/L	0.083	0.26	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Fluorene	0.25	J	ug/L	0.063	0.26	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Indeno (1,2,3-cd) pyrene	0.11	J	ug/L	0.063	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
1-Methylnaphthalene	0.64	J	ug/L	0.33	1.3	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
2-Methylnaphthalene	0.92	J	ug/L	0.32	1.3	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Naphthalene	1.3		ug/L	0.41	1.3	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Phenanthrene	0.64		ug/L	0.031	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
Pyrene	0.58		ug/L	0.045	0.13	1.0	02/09/11 22:15	CLJ	11B0082	SW 8310
<i>Surr: 2-Fluorobiphenyl (16-138%)</i>	<i>111 %</i>									

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-08 (Trip Blank - Ground Water)							Sampled: 02/01/11			
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Bromoform	<0.20		ug/L	0.20	5.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Bromomethane	<0.50		ug/L	0.50	5.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Carbon Tetrachloride	<0.80		ug/L	0.80	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Chloroethane	<1.0		ug/L	1.0	5.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Chloroform	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Chloromethane	<0.30		ug/L	0.30	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Naphthalene	<0.25		ug/L	0.25	5.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Styrene	<0.50		ug/L	0.50	5.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Toluene	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B

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Received: 02/01/11
 Reported: 02/11/11 16:11

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WUB0032-08 (Trip Blank - Ground Water) - cont.							Sampled: 02/01/11			
VOCs by SW8260B - cont.										
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	2.0	1	02/07/11 08:50	mae	11B0105	SW 8260B
Surr: Dibromofluoromethane (80-120%)	110 %									
Surr: Toluene-d8 (80-120%)	98 %									
Surr: 4-Bromofluorobenzene (80-120%)	100 %									

GILES ENGINEERING - WISCONSIN
N8 W22350 Johnson Road
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Mr. Kevin Bugel

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Received: 02/01/11
Reported: 02/11/11 16:11

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
PNAs by SW8310							
SW 8310	11B0082	WUB0032-01	1000	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-02	930	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-03	940	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-04	990	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-05	950	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-06	980	2	02/04/11 09:08	CLJ	PNA8310/610
SW 8310	11B0082	WUB0032-07	980	2	02/04/11 09:08	CLJ	PNA8310/610

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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	RPD Limit	Q
Metals Dissolved														
Arsenic	11B0053			ug/L	0.61	2.0	<0.61							
Barium	11B0053			ug/L	0.61	2.0	<0.61							
Cadmium	11B0053			ug/L	0.12	0.40	<0.12							
Chromium	11B0053			ug/L	0.61	2.0	<0.61							
Lead	11B0053			ug/L	0.61	2.0	<0.61							
Selenium	11B0053			ug/L	0.61	2.0	<0.61							
Silver	11B0053			ug/L	0.61	2.0	<0.61							
Mercury	11B0078			mg/L	0.000065	0.00023	<0.000065							
VOCs by SW8260B														
Benzene	11B0046			ug/L	0.20	2.0	<0.20							
Bromobenzene	11B0046			ug/L	0.20	2.0	<0.20							
Bromochloromethane	11B0046			ug/L	0.50	2.0	<0.50							
Bromodichloromethane	11B0046			ug/L	0.20	2.0	<0.20							
Bromoform	11B0046			ug/L	0.20	5.0	<0.20							
Bromomethane	11B0046			ug/L	0.50	5.0	<0.50							
n-Butylbenzene	11B0046			ug/L	0.20	2.0	<0.20							
sec-Butylbenzene	11B0046			ug/L	0.25	2.0	<0.25							
tert-Butylbenzene	11B0046			ug/L	0.20	2.0	<0.20							
Carbon Tetrachloride	11B0046			ug/L	0.80	2.0	<0.80							
Chlorobenzene	11B0046			ug/L	0.20	2.0	<0.20							
Chlorodibromomethane	11B0046			ug/L	0.20	2.0	<0.20							
Chloroethane	11B0046			ug/L	1.0	5.0	<1.0							
Chloroform	11B0046			ug/L	0.20	2.0	<0.20							
Chloromethane	11B0046			ug/L	0.30	2.0	<0.30							
2-Chlorotoluene	11B0046			ug/L	0.50	2.0	<0.50							
4-Chlorotoluene	11B0046			ug/L	0.20	2.0	<0.20							
1,2-Dibromo-3-chloropropane	11B0046			ug/L	0.50	2.0	<0.50							
1,2-Dibromoethane (EDB)	11B0046			ug/L	0.20	2.0	<0.20							
Dibromomethane	11B0046			ug/L	0.20	2.0	<0.20							
1,2-Dichlorobenzene	11B0046			ug/L	0.20	2.0	<0.20							
1,3-Dichlorobenzene	11B0046			ug/L	0.20	2.0	<0.20							
1,4-Dichlorobenzene	11B0046			ug/L	0.50	2.0	<0.50							
Dichlorodifluoromethane	11B0046			ug/L	0.50	2.0	<0.50							
1,1-Dichloroethane	11B0046			ug/L	0.50	2.0	<0.50							
1,2-Dichloroethane	11B0046			ug/L	0.50	2.0	<0.50							
1,1-Dichloroethene	11B0046			ug/L	0.50	2.0	<0.50							
cis-1,2-Dichloroethene	11B0046			ug/L	0.50	2.0	<0.50							
trans-1,2-Dichloroethene	11B0046			ug/L	0.50	2.0	<0.50							
1,2-Dichloropropane	11B0046			ug/L	0.50	2.0	<0.50							
1,3-Dichloropropane	11B0046			ug/L	0.25	2.0	<0.25							
2,2-Dichloropropane	11B0046			ug/L	0.50	2.0	<0.50							
1,1-Dichloropropene	11B0046			ug/L	0.50	2.0	<0.50							
cis-1,3-Dichloropropene	11B0046			ug/L	0.20	2.0	<0.20							
trans-1,3-Dichloropropene	11B0046			ug/L	0.20	2.0	<0.20							

GILES ENGINEERING - WISCONSIN
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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	RPD Limit	Q
VOCs by SW8260B														
2,3-Dichloropropene	11B0046			ug/L	0.25	2.0	<0.25							
Isopropyl Ether	11B0046			ug/L	0.50	2.0	<0.50							
Ethylbenzene	11B0046			ug/L	0.50	2.0	<0.50							
Hexachlorobutadiene	11B0046			ug/L	0.50	2.0	<0.50							
Isopropylbenzene	11B0046			ug/L	0.20	2.0	<0.20							
p-Isopropyltoluene	11B0046			ug/L	0.20	2.0	<0.20							
Methylene Chloride	11B0046			ug/L	1.0	2.0	<1.0							
Methyl tert-Butyl Ether	11B0046			ug/L	0.50	2.0	<0.50							
Naphthalene	11B0046			ug/L	0.25	5.0	<0.25							
n-Propylbenzene	11B0046			ug/L	0.50	2.0	<0.50							
Styrene	11B0046			ug/L	0.50	5.0	<0.50							
1,1,1,2-Tetrachloroethane	11B0046			ug/L	0.25	2.0	<0.25							
1,1,2,2-Tetrachloroethane	11B0046			ug/L	0.20	2.0	<0.20							
Tetrachloroethene	11B0046			ug/L	0.50	2.0	<0.50							
Toluene	11B0046			ug/L	0.50	2.0	<0.50							
1,2,3-Trichlorobenzene	11B0046			ug/L	0.25	2.0	<0.25							
1,2,4-Trichlorobenzene	11B0046			ug/L	0.25	2.0	<0.25							
1,1,1-Trichloroethane	11B0046			ug/L	0.50	2.0	<0.50							
1,1,2-Trichloroethane	11B0046			ug/L	0.25	2.0	<0.25							
Trichloroethene	11B0046			ug/L	0.20	2.0	<0.20							
Trichlorofluoromethane	11B0046			ug/L	0.50	2.0	<0.50							
1,2,3-Trichloropropane	11B0046			ug/L	0.50	2.0	<0.50							
1,2,4-Trimethylbenzene	11B0046			ug/L	0.20	2.0	<0.20							
1,3,5-Trimethylbenzene	11B0046			ug/L	0.20	2.0	<0.20							
Vinyl chloride	11B0046			ug/L	0.20	2.0	<0.20							
Xylenes, Total	11B0046			ug/L	0.50	2.0	<0.50							
Surrogate: Dibromofluoromethane	11B0046			ug/L					102		80-120			
Surrogate: Toluene-d8	11B0046			ug/L					98		80-120			
Surrogate: 4-Bromofluorobenzene	11B0046			ug/L					99		80-120			
Benzene	11B0105			ug/L	0.20	2.0	<0.20							
Bromobenzene	11B0105			ug/L	0.20	2.0	<0.20							
Bromochloromethane	11B0105			ug/L	0.50	2.0	<0.50							
Bromodichloromethane	11B0105			ug/L	0.20	2.0	<0.20							
Bromoform	11B0105			ug/L	0.20	5.0	<0.20							
Bromomethane	11B0105			ug/L	0.50	5.0	<0.50							
n-Butylbenzene	11B0105			ug/L	0.20	2.0	<0.20							
sec-Butylbenzene	11B0105			ug/L	0.25	2.0	<0.25							
tert-Butylbenzene	11B0105			ug/L	0.20	2.0	<0.20							
Carbon Tetrachloride	11B0105			ug/L	0.80	2.0	<0.80							
Chlorobenzene	11B0105			ug/L	0.20	2.0	<0.20							
Chlorodibromomethane	11B0105			ug/L	0.20	2.0	<0.20							
Chloroethane	11B0105			ug/L	1.0	5.0	<1.0							
Chloroform	11B0105			ug/L	0.20	2.0	<0.20							
Chloromethane	11B0105			ug/L	0.30	2.0	<0.30							

GILES ENGINEERING - WISCONSIN
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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	RPD Limit	Q
VOCs by SW8260B														
2-Chlorotoluene	11B0105			ug/L	0.50	2.0	<0.50							
4-Chlorotoluene	11B0105			ug/L	0.20	2.0	<0.20							
1,2-Dibromo-3-chloropropane	11B0105			ug/L	0.50	2.0	<0.50							
1,2-Dibromoethane (EDB)	11B0105			ug/L	0.20	2.0	<0.20							
Dibromomethane	11B0105			ug/L	0.20	2.0	<0.20							
1,2-Dichlorobenzene	11B0105			ug/L	0.20	2.0	<0.20							
1,3-Dichlorobenzene	11B0105			ug/L	0.20	2.0	<0.20							
1,4-Dichlorobenzene	11B0105			ug/L	0.50	2.0	<0.50							
Dichlorodifluoromethane	11B0105			ug/L	0.50	2.0	<0.50							
1,1-Dichloroethane	11B0105			ug/L	0.50	2.0	<0.50							
1,2-Dichloroethane	11B0105			ug/L	0.50	2.0	<0.50							
1,1-Dichloroethene	11B0105			ug/L	0.50	2.0	<0.50							
cis-1,2-Dichloroethene	11B0105			ug/L	0.50	2.0	<0.50							
trans-1,2-Dichloroethene	11B0105			ug/L	0.50	2.0	<0.50							
1,2-Dichloropropane	11B0105			ug/L	0.50	2.0	<0.50							
1,3-Dichloropropane	11B0105			ug/L	0.25	2.0	<0.25							
2,2-Dichloropropane	11B0105			ug/L	0.50	2.0	<0.50							
1,1-Dichloropropene	11B0105			ug/L	0.50	2.0	<0.50							
cis-1,3-Dichloropropene	11B0105			ug/L	0.20	2.0	<0.20							
trans-1,3-Dichloropropene	11B0105			ug/L	0.20	2.0	<0.20							
2,3-Dichloropropene	11B0105			ug/L	0.25	2.0	<0.25							
Isopropyl Ether	11B0105			ug/L	0.50	2.0	<0.50							
Ethylbenzene	11B0105			ug/L	0.50	2.0	<0.50							
Hexachlorobutadiene	11B0105			ug/L	0.50	2.0	<0.50							
Isopropylbenzene	11B0105			ug/L	0.20	2.0	<0.20							
p-Isopropyltoluene	11B0105			ug/L	0.20	2.0	<0.20							
Methylene Chloride	11B0105			ug/L	1.0	2.0	<1.0							
Methyl tert-Butyl Ether	11B0105			ug/L	0.50	2.0	<0.50							
Naphthalene	11B0105			ug/L	0.25	5.0	<0.25							
n-Propylbenzene	11B0105			ug/L	0.50	2.0	<0.50							
Styrene	11B0105			ug/L	0.50	5.0	<0.50							
1,1,1,2-Tetrachloroethane	11B0105			ug/L	0.25	2.0	<0.25							
1,1,1,2,2-Tetrachloroethane	11B0105			ug/L	0.20	2.0	<0.20							
Tetrachloroethene	11B0105			ug/L	0.50	2.0	<0.50							
Toluene	11B0105			ug/L	0.50	2.0	<0.50							
1,2,3-Trichlorobenzene	11B0105			ug/L	0.25	2.0	<0.25							
1,2,4-Trichlorobenzene	11B0105			ug/L	0.25	2.0	<0.25							
1,1,1-Trichloroethane	11B0105			ug/L	0.50	2.0	<0.50							
1,1,2-Trichloroethane	11B0105			ug/L	0.25	2.0	<0.25							
Trichloroethene	11B0105			ug/L	0.20	2.0	<0.20							
Trichlorofluoromethane	11B0105			ug/L	0.50	2.0	<0.50							
1,2,3-Trichloropropane	11B0105			ug/L	0.50	2.0	<0.50							
1,2,4-Trimethylbenzene	11B0105			ug/L	0.20	2.0	<0.20							
1,3,5-Trimethylbenzene	11B0105			ug/L	0.20	2.0	<0.20							
Vinyl chloride	11B0105			ug/L	0.20	2.0	<0.20							

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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	RPD Limit	Q
VOCs by SW8260B														
Xylenes, Total	11B0105			ug/L	0.50	2.0	<0.50							
Surrogate: Dibromofluoromethane	11B0105			ug/L					106		80-120			
Surrogate: Toluene-d8	11B0105			ug/L					99		80-120			
Surrogate: 4-Bromofluorobenzene	11B0105			ug/L					100		80-120			
PNAs by SW8310														
Acenaphthene	11B0082			ug/L	0.33	1.3	<0.33							
Acenaphthylene	11B0082			ug/L	0.69	2.5	<0.69							
Anthracene	11B0082			ug/L	0.038	0.13	<0.038							
Benzo (a) anthracene	11B0082			ug/L	0.044	0.13	<0.044							
Benzo (b) fluoranthene	11B0082			ug/L	0.098	0.25	<0.098							
Benzo (k) fluoranthene	11B0082			ug/L	0.049	0.13	<0.049							
Benzo (a) pyrene	11B0082			ug/L	0.032	0.13	<0.032							
Benzo (g,h,i) perylene	11B0082			ug/L	0.12	0.25	<0.12							
Chrysene	11B0082			ug/L	0.041	0.13	<0.041							
Dibenzo (a,h) anthracene	11B0082			ug/L	0.13	0.25	<0.13							
Fluoranthene	11B0082			ug/L	0.081	0.25	<0.081							
Fluorene	11B0082			ug/L	0.062	0.25	<0.062							
Indeno (1,2,3-cd) pyrene	11B0082			ug/L	0.062	0.13	<0.062							
1-Methylnaphthalene	11B0082			ug/L	0.32	1.3	<0.32							
2-Methylnaphthalene	11B0082			ug/L	0.31	1.3	<0.31							
Naphthalene	11B0082			ug/L	0.40	1.3	<0.40							
Phenanthrene	11B0082			ug/L	0.030	0.13	<0.030							
Pyrene	11B0082			ug/L	0.044	0.13	<0.044							
Surrogate: 2-Fluorobiphenyl	11B0082			ug/L					106		16-138			

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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	RPD Limit	Q
Metals Dissolved														
Arsenic	11B0053		50	ug/L	0.61	2.0	44.4		89		85-115			
Barium	11B0053		50	ug/L	0.61	2.0	51.5		103		85-115			
Cadmium	11B0053		50	ug/L	0.12	0.40	51.2		102		85-115			
Chromium	11B0053		50	ug/L	0.61	2.0	47.8		96		85-115			
Lead	11B0053		50	ug/L	0.61	2.0	47.2		94		85-115			
Selenium	11B0053		50	ug/L	0.61	2.0	45.4		91		85-115			
Silver	11B0053		50	ug/L	0.61	2.0	48.3		97		85-115			
Mercury	11B0078		0.0025	mg/L	0.000065	0.00023	0.00271		109		78-131			
VOCs by SW8260B														
Benzene	11B0046		50	ug/L	0.20	2.0	48.2		96		80-120			
Bromobenzene	11B0046		50	ug/L	0.20	2.0	49.2		98		80-120			
Bromochloromethane	11B0046		50	ug/L	0.50	2.0	50.1		100		80-120			
Bromodichloromethane	11B0046		50	ug/L	0.20	2.0	49.6		99		80-120			
Bromomethane	11B0046		50	ug/L	0.50	5.0	53.6		107		60-140			
n-Butylbenzene	11B0046		50	ug/L	0.20	2.0	49.4		99		80-120			
sec-Butylbenzene	11B0046		50	ug/L	0.25	2.0	48.9		98		80-120			
tert-Butylbenzene	11B0046		50	ug/L	0.20	2.0	48.8		98		80-120			
Carbon Tetrachloride	11B0046		50	ug/L	0.80	2.0	52.5		105		60-140			
Chlorobenzene	11B0046		50	ug/L	0.20	2.0	48.8		98		80-120			
Chlorodibromomethane	11B0046		50	ug/L	0.20	2.0	51.8		104		80-120			
Chloroethane	11B0046		50	ug/L	1.0	5.0	48.4		97		60-140			
Chloroform	11B0046		50	ug/L	0.20	2.0	48.5		97		80-120			
Chloromethane	11B0046		50	ug/L	0.30	2.0	44.9		90		60-140			
2-Chlorotoluene	11B0046		50	ug/L	0.50	2.0	49.0		98		80-120			
4-Chlorotoluene	11B0046		50	ug/L	0.20	2.0	47.9		96		80-120			
1,2-Dibromo-3-chloropropane	11B0046		50	ug/L	0.50	2.0	48.4		97		60-140			
1,2-Dibromoethane (EDB)	11B0046		50	ug/L	0.20	2.0	49.6		99		80-120			
Dibromomethane	11B0046		50	ug/L	0.20	2.0	50.2		100		80-120			
1,2-Dichlorobenzene	11B0046		50	ug/L	0.20	2.0	48.7		97		80-120			
1,3-Dichlorobenzene	11B0046		50	ug/L	0.20	2.0	48.9		98		80-120			
1,4-Dichlorobenzene	11B0046		50	ug/L	0.50	2.0	48.5		97		80-120			
Dichlorodifluoromethane	11B0046		50	ug/L	0.50	2.0	51.0		102		60-140			
1,1-Dichloroethane	11B0046		50	ug/L	0.50	2.0	47.8		96		80-120			
1,2-Dichloroethane	11B0046		50	ug/L	0.50	2.0	48.3		97		80-120			
1,1-Dichloroethene	11B0046		50	ug/L	0.50	2.0	49.5		99		80-120			
cis-1,2-Dichloroethene	11B0046		50	ug/L	0.50	2.0	49.2		98		80-120			
trans-1,2-Dichloroethene	11B0046		50	ug/L	0.50	2.0	50.6		101		80-120			
1,2-Dichloropropane	11B0046		50	ug/L	0.50	2.0	47.9		96		80-120			
1,3-Dichloropropane	11B0046		50	ug/L	0.25	2.0	48.7		97		80-120			
2,2-Dichloropropane	11B0046		50	ug/L	0.50	2.0	49.8		100		60-140			
1,1-Dichloropropene	11B0046		50	ug/L	0.50	2.0	48.7		97		80-120			
cis-1,3-Dichloropropene	11B0046		50	ug/L	0.20	2.0	49.1		98		80-120			
trans-1,3-Dichloropropene	11B0046		50	ug/L	0.20	2.0	48.7		97		80-120			
Isopropyl Ether	11B0046		50	ug/L	0.50	2.0	45.9		92		80-120			
Ethylbenzene	11B0046		50	ug/L	0.50	2.0	48.9		98		80-120			
Hexachlorobutadiene	11B0046		50	ug/L	0.50	2.0	50.9		102		60-140			

GILES ENGINEERING - WISCONSIN
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 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

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	RPD Limit	Q
VOCs by SW8260B														
Isopropylbenzene	11B0046		50	ug/L	0.20	2.0	49.1		98		80-120			
p-Isopropyltoluene	11B0046		50	ug/L	0.20	2.0	49.1		98		80-120			
Methylene Chloride	11B0046		50	ug/L	1.0	2.0	48.4		97		80-120			
Methyl tert-Butyl Ether	11B0046		50	ug/L	0.50	2.0	48.1		96		80-120			
Naphthalene	11B0046		50	ug/L	0.25	5.0	48.5		97		60-140			
n-Propylbenzene	11B0046		50	ug/L	0.50	2.0	49.5		99		80-120			
Styrene	11B0046		50	ug/L	0.50	5.0	49.2		98		80-120			
1,1,1,2-Tetrachloroethane	11B0046		50	ug/L	0.25	2.0	49.8		100		80-120			
1,1,2,2-Tetrachloroethane	11B0046		50	ug/L	0.20	2.0	48.0		96		80-120			
Tetrachloroethene	11B0046		50	ug/L	0.50	2.0	50.7		101		80-120			
Toluene	11B0046		50	ug/L	0.50	2.0	48.6		97		80-120			
1,2,3-Trichlorobenzene	11B0046		50	ug/L	0.25	2.0	49.4		99		80-120			
1,2,4-Trichlorobenzene	11B0046		50	ug/L	0.25	2.0	49.4		99		80-120			
1,1,1-Trichloroethane	11B0046		50	ug/L	0.50	2.0	50.5		101		80-120			
1,1,2-Trichloroethane	11B0046		50	ug/L	0.25	2.0	49.5		99		80-120			
Trichloroethene	11B0046		50	ug/L	0.20	2.0	50.3		101		80-120			
Trichlorofluoromethane	11B0046		50	ug/L	0.50	2.0	53.0		106		80-120			
1,2,3-Trichloropropane	11B0046		50	ug/L	0.50	2.0	48.7		97		80-120			
1,2,4-Trimethylbenzene	11B0046		50	ug/L	0.20	2.0	48.7		97		80-120			
1,3,5-Trimethylbenzene	11B0046		50	ug/L	0.20	2.0	48.8		98		80-120			
Vinyl chloride	11B0046		50	ug/L	0.20	2.0	48.2		96		80-120			
Xylenes, Total	11B0046		150	ug/L	0.50	2.0	147		98		80-120			
Surrogate: Dibromofluoromethane	11B0046			ug/L					101		80-120			
Surrogate: Toluene-d8	11B0046			ug/L					99		80-120			
Surrogate: 4-Bromofluorobenzene	11B0046			ug/L					99		80-120			
Benzene	11B0105		50	ug/L	0.20	2.0	48.2		96		80-120			
Bromobenzene	11B0105		50	ug/L	0.20	2.0	47.1		94		80-120			
Bromochloromethane	11B0105		50	ug/L	0.50	2.0	48.3		97		80-120			
Bromodichloromethane	11B0105		50	ug/L	0.20	2.0	48.6		97		80-120			
Bromomethane	11B0105		50	ug/L	0.50	5.0	51.0		102		60-140			
n-Butylbenzene	11B0105		50	ug/L	0.20	2.0	50.2		100		80-120			
sec-Butylbenzene	11B0105		50	ug/L	0.25	2.0	49.5		99		80-120			
tert-Butylbenzene	11B0105		50	ug/L	0.20	2.0	48.8		98		80-120			
Carbon Tetrachloride	11B0105		50	ug/L	0.80	2.0	52.6		105		60-140			
Chlorobenzene	11B0105		50	ug/L	0.20	2.0	48.1		96		80-120			
Chlorodibromomethane	11B0105		50	ug/L	0.20	2.0	49.1		98		80-120			
Chloroethane	11B0105		50	ug/L	1.0	5.0	47.2		94		60-140			
Chloroform	11B0105		50	ug/L	0.20	2.0	48.4		97		80-120			
Chloromethane	11B0105		50	ug/L	0.30	2.0	46.7		93		60-140			
2-Chlorotoluene	11B0105		50	ug/L	0.50	2.0	48.4		97		80-120			
4-Chlorotoluene	11B0105		50	ug/L	0.20	2.0	47.5		95		80-120			
1,2-Dibromo-3-chloropropane	11B0105		50	ug/L	0.50	2.0	46.7		93		60-140			
1,2-Dibromoethane (EDB)	11B0105		50	ug/L	0.20	2.0	47.8		96		80-120			
Dibromomethane	11B0105		50	ug/L	0.20	2.0	47.1		94		80-120			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Dup		% REC		RPD		Q
							Result	Result	REC	%REC	Limits	RPD	
VOCs by SW8260B													
1,2-Dichlorobenzene	11B0105		50	ug/L	0.20	2.0	47.3		95		80-120		
1,3-Dichlorobenzene	11B0105		50	ug/L	0.20	2.0	47.8		96		80-120		
1,4-Dichlorobenzene	11B0105		50	ug/L	0.50	2.0	47.5		95		80-120		
Dichlorodifluoromethane	11B0105		50	ug/L	0.50	2.0	51.7		103		60-140		
1,1-Dichloroethane	11B0105		50	ug/L	0.50	2.0	48.5		97		80-120		
1,2-Dichloroethane	11B0105		50	ug/L	0.50	2.0	47.9		96		80-120		
1,1-Dichloroethene	11B0105		50	ug/L	0.50	2.0	50.5		101		80-120		
cis-1,2-Dichloroethene	11B0105		50	ug/L	0.50	2.0	48.8		98		80-120		
trans-1,2-Dichloroethene	11B0105		50	ug/L	0.50	2.0	49.8		100		80-120		
1,2-Dichloropropane	11B0105		50	ug/L	0.50	2.0	47.6		95		80-120		
1,3-Dichloropropane	11B0105		50	ug/L	0.25	2.0	47.2		94		80-120		
2,2-Dichloropropane	11B0105		50	ug/L	0.50	2.0	53.1		106		60-140		
1,1-Dichloropropene	11B0105		50	ug/L	0.50	2.0	49.7		99		80-120		
cis-1,3-Dichloropropene	11B0105		50	ug/L	0.20	2.0	48.5		97		80-120		
trans-1,3-Dichloropropene	11B0105		50	ug/L	0.20	2.0	47.7		95		80-120		
Isopropyl Ether	11B0105		50	ug/L	0.50	2.0	45.7		91		80-120		
Ethylbenzene	11B0105		50	ug/L	0.50	2.0	48.8		98		80-120		
Hexachlorobutadiene	11B0105		50	ug/L	0.50	2.0	49.6		99		60-140		
Isopropylbenzene	11B0105		50	ug/L	0.20	2.0	49.0		98		80-120		
p-Isopropyltoluene	11B0105		50	ug/L	0.20	2.0	48.8		98		80-120		
Methylene Chloride	11B0105		50	ug/L	1.0	2.0	48.0		96		80-120		
Methyl tert-Butyl Ether	11B0105		50	ug/L	0.50	2.0	46.7		93		80-120		
Naphthalene	11B0105		50	ug/L	0.25	5.0	46.2		92		60-140		
n-Propylbenzene	11B0105		50	ug/L	0.50	2.0	49.3		99		80-120		
Styrene	11B0105		50	ug/L	0.50	5.0	48.3		97		80-120		
1,1,1,2-Tetrachloroethane	11B0105		50	ug/L	0.25	2.0	48.9		98		80-120		
1,1,2,2-Tetrachloroethane	11B0105		50	ug/L	0.20	2.0	46.8		94		80-120		
Tetrachloroethene	11B0105		50	ug/L	0.50	2.0	50.3		101		80-120		
Toluene	11B0105		50	ug/L	0.50	2.0	48.5		97		80-120		
1,2,3-Trichlorobenzene	11B0105		50	ug/L	0.25	2.0	47.3		95		80-120		
1,2,4-Trichlorobenzene	11B0105		50	ug/L	0.25	2.0	47.9		96		80-120		
1,1,1-Trichloroethane	11B0105		50	ug/L	0.50	2.0	50.9		102		80-120		
1,1,2-Trichloroethane	11B0105		50	ug/L	0.25	2.0	47.7		95		80-120		
Trichloroethene	11B0105		50	ug/L	0.20	2.0	50.2		100		80-120		
Trichlorofluoromethane	11B0105		50	ug/L	0.50	2.0	52.4		105		80-120		
1,2,3-Trichloropropane	11B0105		50	ug/L	0.50	2.0	47.2		94		80-120		
1,2,4-Trimethylbenzene	11B0105		50	ug/L	0.20	2.0	48.2		96		80-120		
1,3,5-Trimethylbenzene	11B0105		50	ug/L	0.20	2.0	48.5		97		80-120		
Vinyl chloride	11B0105		50	ug/L	0.20	2.0	49.7		99		80-120		
Xylenes, Total	11B0105		150	ug/L	0.50	2.0	146		97		80-120		
Surrogate: Dibromofluoromethane	11B0105			ug/L					100		80-120		
Surrogate: Toluene-d8	11B0105			ug/L					100		80-120		
Surrogate: 4-Bromofluorobenzene	11B0105			ug/L					100		80-120		

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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	RPD Limit	Q
PNAs by SW8310														
Acenaphthene	11B0082		10	ug/L	0.33	1.3	8.44		84		41-126			
Acenaphthylene	11B0082		20	ug/L	0.69	2.5	17.7		89		42-126			
Anthracene	11B0082		1.0	ug/L	0.038	0.13	0.893		89		34-128			
Benzo (a) anthracene	11B0082		1.0	ug/L	0.044	0.13	0.922		92		62-115			
Benzo (b) fluoranthene	11B0082		2.0	ug/L	0.098	0.25	1.80		90		72-127			
Benzo (k) fluoranthene	11B0082		1.0	ug/L	0.049	0.13	0.899		90		73-124			
Benzo (a) pyrene	11B0082		1.0	ug/L	0.032	0.13	0.858		86		41-126			
Benzo (g,h,i) perylene	11B0082		2.0	ug/L	0.12	0.25	1.82		91		69-120			
Chrysene	11B0082		1.0	ug/L	0.041	0.13	1.01		101		66-118			
Dibenzo (a,h) anthracene	11B0082		2.0	ug/L	0.13	0.25	1.82		91		71-123			
Fluoranthene	11B0082		2.0	ug/L	0.081	0.25	2.05		102		60-128			
Fluorene	11B0082		2.0	ug/L	0.062	0.25	2.14		107		43-140			
Indeno (1,2,3-cd) pyrene	11B0082		1.0	ug/L	0.062	0.13	0.933		93		67-118			
1-Methylnaphthalene	11B0082		10	ug/L	0.32	1.3	8.37		84		34-123			
2-Methylnaphthalene	11B0082		10	ug/L	0.31	1.3	8.21		82		28-119			
Naphthalene	11B0082		10	ug/L	0.40	1.3	7.49		75		34-120			
Phenanthrene	11B0082		1.0	ug/L	0.030	0.13	0.898		90		54-133			
Pyrene	11B0082		1.0	ug/L	0.044	0.13	1.10		110		56-121			
Surrogate: 2-Fluorobiphenyl	11B0082			ug/L					101		52-116			

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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
Metals Dissolved														
QC Source Sample: WUA0717-04														
Arsenic	11B0053	<0.61	50	ug/L	3.1	10	52.4	51.8	105	104	75-125	1	20	
Barium	11B0053	8.30	50	ug/L	6.1	20	61.2	64.7	106	113	75-125	6	20	
Cadmium	11B0053	<0.12	50	ug/L	1.2	4.0	50.8	53.7	102	107	75-125	6	20	
Chromium	11B0053	<0.61	50	ug/L	3.1	10	44.4	43.7	89	87	75-125	1	20	
Lead	11B0053	<0.61	50	ug/L	3.1	10	47.9	47.1	96	94	75-125	2	20	
Selenium	11B0053	6.05	50	ug/L	3.1	10	57.7	56.0	103	100	75-125	3	20	
Silver	11B0053	<0.61	50	ug/L	3.1	10	22.8	49.3	46	99	75-125	74	20	M1
QC Source Sample: WUB0032-01														
Mercury	11B0078	<0.000065	0.0025	mg/L	0.000065	0.00023	0.00153	0.00151	61	61	67-141	1	13	M8
VOCs by SW8260B														
QC Source Sample: WUB0029-05														
Benzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.4	50.5	103	101	80-120	2	20	
Bromobenzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.8	51.0	104	102	80-120	2	24	
Bromochloromethane	11B0046	<0.50	50	ug/L	0.50	2.0	52.8	52.1	106	104	80-120	1	14	
Bromodichloromethane	11B0046	<0.20	50	ug/L	0.20	2.0	52.2	51.3	104	103	80-120	2	19	
Bromoform	11B0046	<0.20	50	ug/L	0.20	5.0	54.6	53.8	109	108	80-120	2	26	
Bromomethane	11B0046	<0.50	50	ug/L	0.50	5.0	61.3	61.3	123	123	60-140	0	18	
n-Butylbenzene	11B0046	<0.20	50	ug/L	0.20	2.0	52.5	52.0	105	104	80-120	1	19	
sec-Butylbenzene	11B0046	<0.25	50	ug/L	0.25	2.0	52.3	51.8	105	104	80-120	1	19	
tert-Butylbenzene	11B0046	<0.20	50	ug/L	0.20	2.0	52.0	51.4	104	103	80-120	1	17	
Carbon Tetrachloride	11B0046	<0.80	50	ug/L	0.80	2.0	55.9	55.4	112	111	60-140	1	17	
Chlorobenzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.5	50.7	103	101	80-120	1	16	
Chlorodibromomethane	11B0046	<0.20	50	ug/L	0.20	2.0	54.3	53.2	109	106	80-120	2	23	
Chloroethane	11B0046	<1.0	50	ug/L	1.0	5.0	52.8	52.1	106	104	60-140	1	17	
Chloroform	11B0046	0.200	50	ug/L	0.20	2.0	51.6	50.9	103	101	80-120	1	14	
Chloromethane	11B0046	<0.30	50	ug/L	0.30	2.0	48.6	48.3	97	97	60-140	1	16	
2-Chlorotoluene	11B0046	<0.50	50	ug/L	0.50	2.0	51.8	51.1	104	102	80-120	1	26	
4-Chlorotoluene	11B0046	<0.20	50	ug/L	0.20	2.0	50.5	49.8	101	100	80-120	1	26	
1,2-Dibromo-3-chloropropane	11B0046	<0.50	50	ug/L	0.50	2.0	48.4	48.5	97	97	60-140	0	26	
1,2-Dibromoethane (EDB)	11B0046	<0.20	50	ug/L	0.20	2.0	51.1	50.5	102	101	80-120	1	19	
Dibromomethane	11B0046	<0.20	50	ug/L	0.20	2.0	52.2	51.3	104	103	80-120	2	26	
1,2-Dichlorobenzene	11B0046	<0.20	50	ug/L	0.20	2.0	50.6	50.2	101	100	80-120	1	23	
1,3-Dichlorobenzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.2	50.6	102	101	80-120	1	21	
1,4-Dichlorobenzene	11B0046	<0.50	50	ug/L	0.50	2.0	50.7	50.5	101	101	80-120	0	21	
Dichlorodifluoromethane	11B0046	4.56	50	ug/L	0.50	2.0	56.8	55.9	105	103	60-140	2	19	
1,1-Dichloroethane	11B0046	<0.50	50	ug/L	0.50	2.0	51.0	50.2	102	100	80-120	1	18	
1,2-Dichloroethane	11B0046	<0.50	50	ug/L	0.50	2.0	50.4	49.6	101	99	80-120	2	19	
1,1-Dichloroethene	11B0046	<0.50	50	ug/L	0.50	2.0	53.2	52.5	106	105	80-120	1	18	
cis-1,2-Dichloroethene	11B0046	0.570	50	ug/L	0.50	2.0	53.0	52.0	105	103	80-120	2	17	
trans-1,2-Dichloroethene	11B0046	<0.50	50	ug/L	0.50	2.0	54.7	53.3	109	107	80-120	3	23	
1,2-Dichloropropane	11B0046	<0.50	50	ug/L	0.50	2.0	50.6	49.8	101	100	80-120	2	18	
1,3-Dichloropropane	11B0046	<0.25	50	ug/L	0.25	2.0	50.5	49.8	101	100	80-120	1	24	
2,2-Dichloropropane	11B0046	<0.50	50	ug/L	0.50	2.0	52.7	51.6	105	103	60-140	2	16	
1,1-Dichloropropene	11B0046	<0.50	50	ug/L	0.50	2.0	52.1	51.7	104	103	80-120	1	16	
cis-1,3-Dichloropropene	11B0046	<0.20	50	ug/L	0.20	2.0	51.5	50.8	103	102	80-120	1	20	
trans-1,3-Dichloropropene	11B0046	<0.20	50	ug/L	0.20	2.0	51.0	50.1	102	100	80-120	2	26	
Isopropyl Ether	11B0046	<0.50	50	ug/L	0.50	2.0	48.0	47.0	96	94	80-120	2	20	

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WUB0032
 Project: 1E-0912014 Milwaukee, WI
 Project Number: 4759 North 32nd Street

Received: 02/01/11
 Reported: 02/11/11 16:11

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
VOCs by SW8260B														
QC Source Sample: WUB0029-05														
Ethylbenzene	11B0046	<0.50	50	ug/L	0.50	2.0	52.1	51.4	104	103	80-120	1	16	
Hexachlorobutadiene	11B0046	<0.50	50	ug/L	0.50	2.0	53.4	53.0	107	106	60-140	1	20	
Isopropylbenzene	11B0046	<0.20	50	ug/L	0.20	2.0	52.4	51.7	105	103	80-120	1	22	
p-Isopropyltoluene	11B0046	<0.20	50	ug/L	0.20	2.0	52.6	51.9	105	104	80-120	1	20	
Methylene Chloride	11B0046	<1.0	50	ug/L	1.0	2.0	51.4	50.6	103	101	80-120	2	24	
Methyl tert-Butyl Ether	11B0046	<0.50	50	ug/L	0.50	2.0	49.4	49.0	99	98	80-120	1	18	
Naphthalene	11B0046	<0.25	50	ug/L	0.25	5.0	48.9	48.8	98	98	60-140	0	24	
n-Propylbenzene	11B0046	<0.50	50	ug/L	0.50	2.0	52.6	52.2	105	104	80-120	1	23	
Styrene	11B0046	<0.50	50	ug/L	0.50	5.0	50.2	49.6	100	99	80-120	1	14	
1,1,1,2-Tetrachloroethane	11B0046	<0.25	50	ug/L	0.25	2.0	52.5	51.7	105	103	80-120	1	17	
1,1,2,2-Tetrachloroethane	11B0046	<0.20	50	ug/L	0.20	2.0	48.9	48.5	98	97	80-120	1	26	
Tetrachloroethene	11B0046	<0.50	50	ug/L	0.50	2.0	53.9	53.5	108	107	80-120	1	18	
Toluene	11B0046	<0.50	50	ug/L	0.50	2.0	51.6	50.9	103	102	80-120	1	18	
1,2,3-Trichlorobenzene	11B0046	<0.25	50	ug/L	0.25	2.0	50.8	50.4	102	101	80-120	1	24	
1,2,4-Trichlorobenzene	11B0046	<0.25	50	ug/L	0.25	2.0	50.9	50.6	102	101	80-120	1	21	
1,1,1-Trichloroethane	11B0046	<0.50	50	ug/L	0.50	2.0	54.3	53.3	109	107	80-120	2	19	
1,1,2-Trichloroethane	11B0046	<0.25	50	ug/L	0.25	2.0	51.7	51.0	103	102	80-120	1	28	
Trichloroethene	11B0046	<0.20	50	ug/L	0.20	2.0	54.2	53.5	108	107	80-120	1	18	
Trichlorofluoromethane	11B0046	<0.50	50	ug/L	0.50	2.0	55.7	55.0	111	110	80-120	1	19	
1,2,3-Trichloropropane	11B0046	<0.50	50	ug/L	0.50	2.0	49.6	49.3	99	99	80-120	1	26	
1,2,4-Trimethylbenzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.1	50.6	102	101	80-120	1	24	
1,3,5-Trimethylbenzene	11B0046	<0.20	50	ug/L	0.20	2.0	51.6	51.1	103	102	80-120	1	24	
Vinyl chloride	11B0046	<0.20	50	ug/L	0.20	2.0	52.3	51.7	105	103	80-120	1	17	
Xylenes, Total	11B0046	<0.50	150	ug/L	0.50	2.0	155	153	103	102	80-120	1	13	
Surrogate: Dibromofluoromethane	11B0046			ug/L					101	100	80-120			
Surrogate: Toluene-d8	11B0046			ug/L					98	98	80-120			
Surrogate: 4-Bromofluorobenzene	11B0046			ug/L					99	99	80-120			
QC Source Sample: WUB0074-01														
Benzene	11B0105	<0.20	50	ug/L	0.20	2.0	48.0	51.6	96	103	80-120	7	20	
Bromobenzene	11B0105	<0.20	50	ug/L	0.20	2.0	45.9	50.0	92	100	80-120	8	24	
Bromochloromethane	11B0105	<0.50	50	ug/L	0.50	2.0	47.4	51.6	95	103	80-120	9	14	
Bromodichloromethane	11B0105	<0.20	50	ug/L	0.20	2.0	47.6	51.7	95	103	80-120	8	19	
Bromoform	11B0105	<0.20	50	ug/L	0.20	5.0	47.0	51.4	94	103	80-120	9	26	
Bromomethane	11B0105	<0.50	50	ug/L	0.50	5.0	54.8	58.2	110	116	60-140	6	18	
n-Butylbenzene	11B0105	<0.20	50	ug/L	0.20	2.0	48.3	52.4	97	105	80-120	8	19	
sec-Butylbenzene	11B0105	<0.25	50	ug/L	0.25	2.0	48.2	51.8	96	104	80-120	7	19	
tert-Butylbenzene	11B0105	<0.20	50	ug/L	0.20	2.0	47.6	51.4	95	103	80-120	8	17	
Carbon Tetrachloride	11B0105	<0.80	50	ug/L	0.80	2.0	53.7	57.5	107	115	60-140	7	17	
Chlorobenzene	11B0105	<0.20	50	ug/L	0.20	2.0	46.8	50.7	94	101	80-120	8	16	
Chlorodibromomethane	11B0105	<0.20	50	ug/L	0.20	2.0	48.2	52.5	96	105	80-120	9	23	
Chloroethane	11B0105	<1.0	50	ug/L	1.0	5.0	48.3	51.5	97	103	60-140	6	17	
Chloroform	11B0105	<0.20	50	ug/L	0.20	2.0	48.0	51.8	96	104	80-120	8	14	
Chloromethane	11B0105	<0.30	50	ug/L	0.30	2.0	47.1	49.3	94	99	60-140	5	16	
2-Chlorotoluene	11B0105	<0.50	50	ug/L	0.50	2.0	47.0	50.9	94	102	80-120	8	26	
4-Chlorotoluene	11B0105	<0.20	50	ug/L	0.20	2.0	46.1	49.8	92	100	80-120	8	26	

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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
VOCs by SW8260B														
QC Source Sample: WUB0074-01														
1,2-Dibromo-3-chloropropane	11B0105	<0.50	50	ug/L	0.50	2.0	42.2	47.1	84	94	60-140	11	26	
1,2-Dibromoethane (EDB)	11B0105	<0.20	50	ug/L	0.20	2.0	45.4	49.9	91	100	80-120	9	19	
Dibromomethane	11B0105	<0.20	50	ug/L	0.20	2.0	46.5	50.7	93	101	80-120	9	26	
1,2-Dichlorobenzene	11B0105	<0.20	50	ug/L	0.20	2.0	45.2	49.4	90	99	80-120	9	23	
1,3-Dichlorobenzene	11B0105	<0.20	50	ug/L	0.20	2.0	45.8	49.9	92	100	80-120	9	21	
1,4-Dichlorobenzene	11B0105	<0.50	50	ug/L	0.50	2.0	45.7	49.8	91	100	80-120	9	21	
Dichlorodifluoromethane	11B0105	<0.50	50	ug/L	0.50	2.0	52.9	55.4	106	111	60-140	5	19	
1,1-Dichloroethane	11B0105	<0.50	50	ug/L	0.50	2.0	48.1	51.6	96	103	80-120	7	18	
1,2-Dichloroethane	11B0105	<0.50	50	ug/L	0.50	2.0	46.8	51.0	94	102	80-120	9	19	
1,1-Dichloroethene	11B0105	<0.50	50	ug/L	0.50	2.0	51.5	54.3	103	109	80-120	5	18	
cis-1,2-Dichloroethene	11B0105	<0.50	50	ug/L	0.50	2.0	48.5	52.5	97	105	80-120	8	17	
trans-1,2-Dichloroethene	11B0105	<0.50	50	ug/L	0.50	2.0	52.1	54.3	104	109	80-120	4	23	
1,2-Dichloropropane	11B0105	<0.50	50	ug/L	0.50	2.0	46.5	50.3	93	101	80-120	8	18	
1,3-Dichloropropane	11B0105	<0.25	50	ug/L	0.25	2.0	45.9	49.9	92	100	80-120	8	24	
2,2-Dichloropropane	11B0105	<0.50	50	ug/L	0.50	2.0	53.5	56.7	107	113	60-140	6	16	
1,1-Dichloropropene	11B0105	<0.50	50	ug/L	0.50	2.0	50.7	53.8	101	108	80-120	6	16	
cis-1,3-Dichloropropene	11B0105	<0.20	50	ug/L	0.20	2.0	47.3	51.2	95	102	80-120	8	20	
trans-1,3-Dichloropropene	11B0105	<0.20	50	ug/L	0.20	2.0	46.5	50.7	93	101	80-120	9	26	
Isopropyl Ether	11B0105	<0.50	50	ug/L	0.50	2.0	43.4	47.4	87	95	80-120	9	20	
Ethylbenzene	11B0105	<0.50	50	ug/L	0.50	2.0	48.1	51.7	96	103	80-120	7	16	
Hexachlorobutadiene	11B0105	<0.50	50	ug/L	0.50	2.0	48.5	52.7	97	105	60-140	8	20	
Isopropylbenzene	11B0105	<0.20	50	ug/L	0.20	2.0	48.3	51.8	97	104	80-120	7	22	
p-Isopropyltoluene	11B0105	<0.20	50	ug/L	0.20	2.0	47.7	51.5	95	103	80-120	8	20	
Methylene Chloride	11B0105	<1.0	50	ug/L	1.0	2.0	47.1	51.3	94	103	80-120	9	24	
Methyl tert-Butyl Ether	11B0105	<0.50	50	ug/L	0.50	2.0	44.7	48.9	89	98	80-120	9	18	
Naphthalene	11B0105	<0.25	50	ug/L	0.25	5.0	42.9	47.3	86	95	60-140	10	24	
n-Propylbenzene	11B0105	<0.50	50	ug/L	0.50	2.0	48.6	52.2	97	104	80-120	7	23	
Styrene	11B0105	<0.50	50	ug/L	0.50	5.0	46.5	50.5	93	101	80-120	8	14	
1,1,1,2-Tetrachloroethane	11B0105	<0.25	50	ug/L	0.25	2.0	47.1	51.3	94	103	80-120	8	17	
1,1,2,2-Tetrachloroethane	11B0105	<0.20	50	ug/L	0.20	2.0	43.5	48.1	87	96	80-120	10	26	
Tetrachloroethene	11B0105	<0.50	50	ug/L	0.50	2.0	50.6	54.0	101	108	80-120	6	18	
Toluene	11B0105	<0.50	50	ug/L	0.50	2.0	47.8	51.1	96	102	80-120	7	18	
1,2,3-Trichlorobenzene	11B0105	<0.25	50	ug/L	0.25	2.0	44.8	49.3	90	99	80-120	10	24	
1,2,4-Trichlorobenzene	11B0105	<0.25	50	ug/L	0.25	2.0	45.3	49.8	91	100	80-120	9	21	
1,1,1-Trichloroethane	11B0105	<0.50	50	ug/L	0.50	2.0	51.7	55.0	103	110	80-120	6	19	
1,1,2-Trichloroethane	11B0105	<0.25	50	ug/L	0.25	2.0	46.3	50.5	93	101	80-120	9	28	
Trichloroethene	11B0105	<0.20	50	ug/L	0.20	2.0	50.8	54.2	102	108	80-120	6	18	
Trichlorofluoromethane	11B0105	<0.50	50	ug/L	0.50	2.0	54.1	57.2	108	114	80-120	6	19	
1,2,3-Trichloropropane	11B0105	<0.50	50	ug/L	0.50	2.0	43.9	48.2	88	96	80-120	9	26	
1,2,4-Trimethylbenzene	11B0105	<0.20	50	ug/L	0.20	2.0	46.5	50.6	93	101	80-120	8	24	
1,3,5-Trimethylbenzene	11B0105	<0.20	50	ug/L	0.20	2.0	47.3	51.0	95	102	80-120	8	24	
Vinyl chloride	11B0105	<0.20	50	ug/L	0.20	2.0	50.8	53.4	102	107	80-120	5	17	
Xylenes, Total	11B0105	<0.50	150	ug/L	0.50	2.0	143	154	95	102	80-120	7	13	
Surrogate: Dibromofluoromethane	11B0105			ug/L					102	102	80-120			
Surrogate: Toluene-d8	11B0105			ug/L					99	98	80-120			

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/	Source	Spike	Units	MDL	MRL	Result	Dup	%	Dup	% REC	RPD		Q
	Batch	Result	Level					Result	REC	%REC	Limits	RPD	Limit	
VOCs by SW8260B														
QC Source Sample: WUB0074-01														
Surrogate: 4-Bromofluorobenzene														
	11B0105			ug/L				100	99		80-120			
PNAs by SW8310														
QC Source Sample: WUB0029-05														
Acenaphthene	11B0082	<0.33	10	ug/L	0.33	1.3	8.78	7.59	87	75	34-125	15	40	
Acenaphthylene	11B0082	<0.69	20	ug/L	0.70	2.5	18.9	16.8	94	83	36-129	12	41	
Anthracene	11B0082	<0.038	1.0	ug/L	0.038	0.13	0.986	0.754	98	75	37-130	27	48	
Benzo (a) anthracene	11B0082	<0.044	1.0	ug/L	0.044	0.13	1.50	0.686	149	68	36-133	75	38	M1,R3
Benzo (b) fluoranthene	11B0082	<0.098	2.0	ug/L	0.099	0.25	1.80	1.37	89	68	54-133	27	30	
Benzo (k) fluoranthene	11B0082	<0.049	1.0	ug/L	0.049	0.13	0.932	0.696	92	69	39-143	29	31	
Benzo (a) pyrene	11B0082	<0.032	1.0	ug/L	0.032	0.13	0.882	0.642	87	64	25-139	31	36	
Benzo (g,h,i) perylene	11B0082	<0.12	2.0	ug/L	0.12	0.25	1.88	1.40	93	69	51-133	30	39	
Chrysene	11B0082	<0.041	1.0	ug/L	0.041	0.13	1.19	0.751	118	74	40-130	45	33	R3
Dibenzo (a,h) anthracene	11B0082	<0.13	2.0	ug/L	0.13	0.25	1.94	1.43	96	71	39-143	30	31	
Fluoranthene	11B0082	<0.081	2.0	ug/L	0.082	0.25	2.47	1.57	122	78	42-134	45	34	R3
Fluorene	11B0082	<0.062	2.0	ug/L	0.063	0.25	2.37	1.92	117	95	38-135	21	40	
Indeno (1,2,3-cd) pyrene	11B0082	<0.062	1.0	ug/L	0.063	0.13	0.952	0.709	94	70	47-129	29	32	
1-Methylnaphthalene	11B0082	<0.32	10	ug/L	0.32	1.3	9.34	7.67	92	76	24-124	20	42	
2-Methylnaphthalene	11B0082	<0.31	10	ug/L	0.31	1.3	9.71	7.58	96	75	22-121	25	42	
Naphthalene	11B0082	<0.40	10	ug/L	0.40	1.3	8.44	6.96	84	69	25-122	19	44	
Phenanthrene	11B0082	<0.030	1.0	ug/L	0.030	0.13	1.23	0.753	122	75	40-138	48	37	R3
Pyrene	11B0082	<0.044	1.0	ug/L	0.044	0.13	2.87	0.808	284	80	33-128	112	46	M1,R,R3
Surrogate: 2-Fluorobiphenyl														
	11B0082			ug/L				102	90		50-107			

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CERTIFICATION SUMMARY

TestAmerica Watertown

Method	Matrix	Nelac	Wisconsin
SW 6020A	Water - NonPotable	X	X
SW 7470A	Water - NonPotable	X	X
SW 8260B	Water - NonPotable	X	X
SW 8310	Water - NonPotable	X	X

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DATA QUALIFIERS AND DEFINITIONS

- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M8** The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- R3** The RPD exceeded the acceptance limit due to sample matrix effects.
- RL9** Sample required dilution due to high concentrations of non-target analyte.

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

WUB 0032

Site Bishops Creek

- N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186
- 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807
- 8300 Guilford Road, Suite F1, Columbia, MD 21046
- 10722 North Stemmons Freeway, Dallas, TX 75220
- 2830 Agriculture Drive, Madison, WI 53718
- 3990 Flowers Road, Suite 530, Atlanta, GA, 30360

- tel: 414-544-0118
- tel: 714-779-0052
- tel: 410-312-9950
- tel: 214-358-5885
- tel: 608-223-1853
- tel: 770-458-3399
- fax: 414-549-5868
- fax: 714-779-0068
- fax: 410-312-9955
- fax: 214-358-5884
- fax: 608-223-1854
- fax: 770-458-3998

- closure sample
- confirmation required (NR720)
- RUSH

Address 4759 North 32nd Street

W. Waukegan, Wisconsin

POSSIBLE HAZARDS: _____

Sample Collector <u>Greg Roganhouse</u>	Project Manager <u>Kevin Bugel</u>	Project Number <u>IE-0912014</u>
Laboratory Used <u>Test America</u>	Lab Contact <u>Don M.</u>	Lab Job Number

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	Analysis Required										Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp																	
							GRO	DRO	VOC	PVOC	BTEX	PPRO metals (including Arsenic, lead, chromium, and PHH)																										
01	LPZ-1		W	1/31/11	9:00																																	
02	EMW-1		W	1/31/11	9:45																																	
03	EMW-2		W	1/31/11	10:30																																	
04	EMW-3		W	1/31/11	11:10																																	
05	EMW-4		W	1/31/11	11:40																																	
06	EMW-5		W	1/31/11	12:05																																	
07	EMW-6		W	1/31/11	1:00																																	
08	Trip Blank		W	1/31/11																																		

container code:

A = 8 oz/250 ml
B = 4 oz/ 120 ml

C = 2 oz/ 60 ml
D = 40 mL VOA vial HCl

E = 1 L Amber No P-A
F = 250 mL plastic HCl

G = poly bag
H = _____

I = _____
J = _____

Relinquished By	Date	Time	Received By
<u>[Signature]</u>	1/31/11	13:05 AM	<u>[Signature]</u>
<u>[Signature]</u>	2-1-11	14:18 PM	<u>[Signature]</u>

INVOICE TO: Send copy to Project Manager

Giles Engineering Associates, Inc.

REPORT TO: same PM

Giles Engineering Associates, Inc.

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of 1

Attn: Kevin Bugel

Cooler Receipt Log

Work Order(s): WU B0032 Client Name/Project: Giles Engineering # of Coolers: 1

1. How did samples arrive? Fed-Ex UPS TestAmerica Client Dunham Speedy _____

Date/time cooler was opened: 2-1-11 1418 By: Adams/D. Derry TEMP. 2°

2. Were custody seals intact, signed and dated correctly?..... Intact Broken NA
3. Were samples on ice?..... Yes No
4. Does this Project require quick turn around analysis?..... No Yes
5. Are there any short hold time tests? (48hrs or less) No Yes
- Past Hold?..... No Yes

48 hours or less	7 days
Coliform Bacteria 8/30 hours	Aqueous Organic Prep
Chlorine/Hex Cr 24 hours	TS
BOD	TDS
Nitrate/Nitrite (DW is 14 days)	TSS
Sulfite	Sulfide
Orthophosphate	Volatile Solids
Surfactants (MBAS)	

6. Ops Mgr, PM or Analyst informed of short hold?.....Who _____ When _____
7. Other than short hold test , were any samples within 2 days of their hold date No Yes
 Or past their expiration of hold time No Yes
8. Is the date and time of collection recorded? Date Yes No
 Time..... Yes No
9. Were all sample containers listed on the COC received and intact? Yes No
10. Do sample containers received and COC match?..... Yes No
11. Are dissolved parameters field filtered or being filtered in the lab?..... Field Lab *metals*
12. Are sample volumes adequate and preservatives correct for test requested? Vol..... Yes No
 Pres..... Yes No *ANADH*
13. Do VOC samples have air bubbles >6mm?..... No Yes NA
14. Is an aqueous Trip Blank included?..... Yes No NA
15. Are any samples on hold? No Yes
16. Are there samples to be subcontracted? No Yes
17. Is a Methanol Trip Blank included?..... Yes No *NA*
18. How were VOC soils received? Methanol Sodium Bisulfate Packed Jar Encore Other Water (see options*)
 * Within 48hrs of sampling Past 48hrs of sampling Frozen Not Frozen

If any changes are made to this Work Order after Login, or if comments must be made regarding this cooler, explain them below:

Container labels do not have the "6" prefix and are dated 1-25-11
