MEMORANDUM

Date: February 1, 2013

To: IHSB Files

From: Janet Macdonald
REC Program

Re: Private WSW on property adjacent to AO Smith Site
Alamance County

During a Remedial Investigation of the AO Smith Electric Motor site (NONCD0001275), several residential wells were identified about 600 ft east of the site boundary (see attached figure). A creek runs between the AO Smith site and the residential properties. The RI report, dated August 2012, summarizes the offsite WSWs as follows:

> Five private water supply wells have been identified along the Oakwood Street Extension and within 0.5 miles of the Site (Figure 1-2). The **nearest residence, at 818 Oakwood Street Extension**, is approximately 470 feet due east of the creek and is connected to a municipal water supply, but also has a water supply well (approximately 100 feet deep) that is reportedly used only for irrigation. The second property, at 906 Oakwood Street Extension, contains two residences. Past interviews with the property owner, Ms. Virginia Edwards, indicated that municipal water is available at 906 Oakwood Street Extension, but there is also a shallow (approximately 35 feet deep) water supply well on-site. The residence at 1000 Oakwood Street Extension obtains water from a private water supply well that is approximately 100 feet deep. The property located at 1010 Oakwood Street Extension has a municipal water connection, but also has a shallow (approximately 40 feet deep) water supply well. A water supply well is located at the residence at 801 Oakwood Street Extension, located on the east side of the street; however, the depth of this well is unknown.
>
> Properties to the west of the Site on East McPherson Road are each connected to municipal water.

As described in the excerpt from the RI Report below, 6 WSWs were sampled in 1996 and found to be "below the laboratory practical quantification limit." It's not clear where the 6th well is located, and CARA was down so I could not see if the 1996 report was available for review.

> **2.2.4 1996 Residential Well Sampling**
> On October 17, 1996, BASF collected samples from six drinking water wells located on Oakwood Extension to the east of the Site. Samples were submitted for analysis of VOCs by United States Environmental Protection Agency (EPA) Method 624/625. No VOCs were detected above the laboratory practical quantitation limits.

Three of the wells were again sampled for VOCs by EPA Method 8260B in 2012. The 2012 RI Report states the following:

> **3.2.7 Private Well Sampling**
> Water samples were collected from the water supply wells located at the Thomas Residence (818 Oakwood Street Extension), Laws Residence (1000 Oakwood Street Extension) and Harris Residence (801 Oakwood Street Extension). Samples were analyzed for VOCs and 1,4-Dioxane.

The private WSW located at 818 Oakwood Street Extension contained 2.4 ug/L TCE (see attached data table and lab reports – lab reports flags result [J] to indicate the result is estimated between the PQL and MDL). TCE was not detected at concentrations higher than that in any of the AO Smith monitoring wells within the same sampling month (see site wide groundwater data table).

Based on the attached potentiometric map and the occurrence of TCE at the AO Smith and residential properties, it does not appear that the source of TCE in groundwater beneath 818 Oakwood Street Extension originates from the AO Smith property.

Attached pages:

- Title page to the 2012 RI Report
- Potentiometric map showing well locations
- Results of 2012 WSW well sampling
- Results of 2012 site wide monitoring well sampling
- Lab reports for WSW containing TCE.

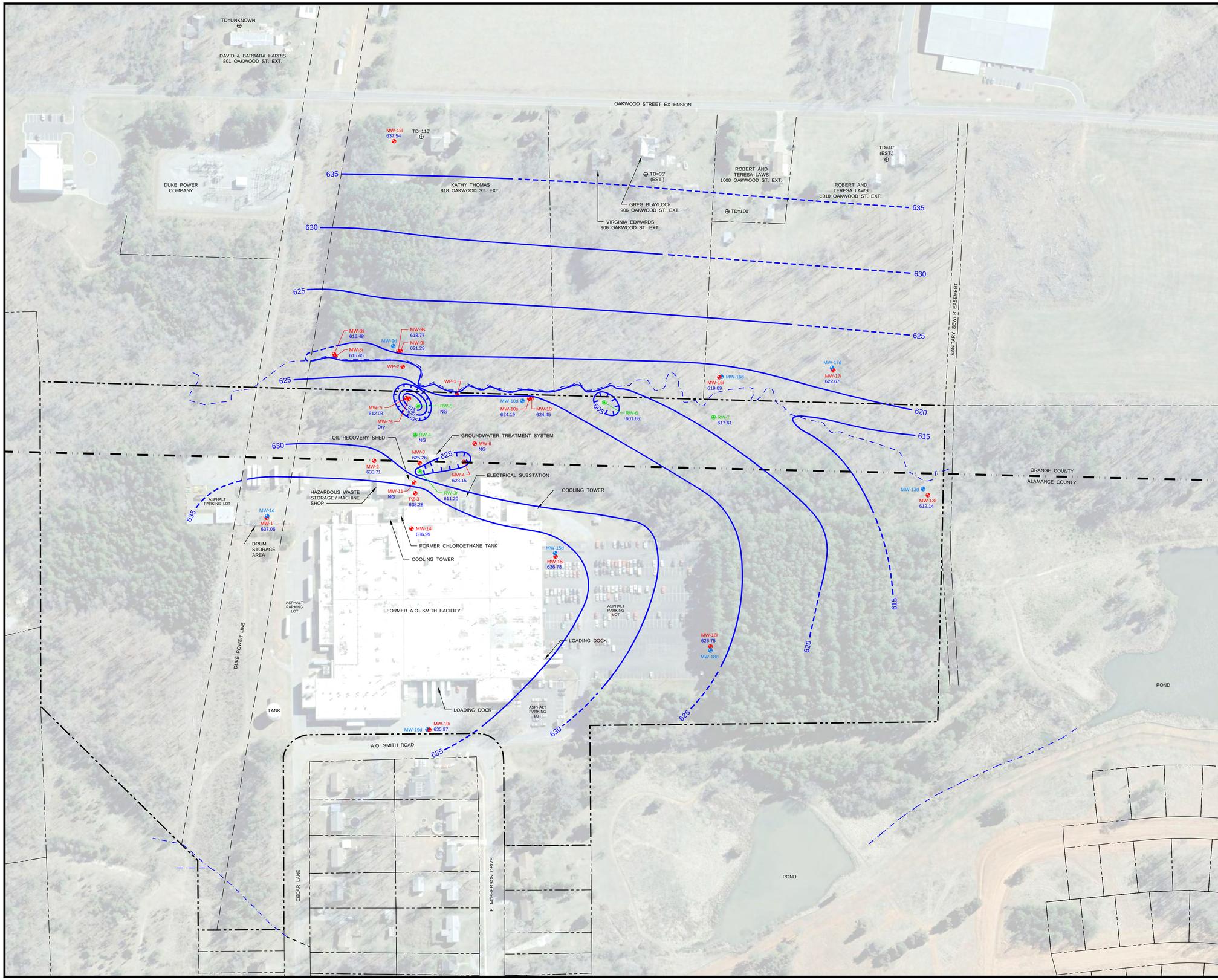
AECOM Environment

Submitted to
BASF
Florham Park, NJ

Submitted by
AECOM
Raleigh, NC
60220023
August 2012

Combined Phase I and Phase II Remedial Investigation Report

BASF Corporation
709 A O Smith Road
Mebane, Alamance/Orange Counties, North Carolina
NCDENR ID No. NONCD0001275



LEGEND:

- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- DUKE POWER RIGHT-OF-WAY
- CREEK
- MW-1 — TYPE II MONITORING WELL
- MW-1d — TYPE III MONITORING WELL
- RW-3r — RECOVERY WELL
- TD=100' — PRIVATE WELL WITH DEPTH BELOW LAND SURFACE
- 626.75 — GROUNDWATER ELEVATION (FT. MSL)
- NG — NOT GAUGED
- 630 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)

NOTES:

1. THE SCREENED INTERVAL OF RECOVERY WELLS RW-3R, RW-4, RW-5, RW-6 AND RW-7 EXTENDS FROM THE SHALLOW (SAPROLITE) TO THE DEEP (BEDROCK) ZONE.

100 0 100

SCALE IN FEET

1" = 100'-0"

REVISIONS			
NO.	DESCRIPTION:	DATE:	BY:

DESIGNED BY:

DRAWN BY: KLR

CHECKED BY:

APPROVED BY:

AECOM

AECOM North Carolina, Inc.
8540 COLONNADE CENTER DRIVE, SUITE 306
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SHALLOW / INTERMEDIATE GROUNDWATER POTENTIOMETRIC MAP
JUNE 2012

BASF Corporation
Mebane, North Carolina

SCALE:	DATE:	PROJECT NUMBER:
1"=100'	08/07/12	60220023.3

FIGURE NUMBER:

4-4

DRAWING NUMBER:

B120565D

Table 4-10
Summary of Private Well Sampling
BASF Facility
Mebane, North Carolina

Sample Location (Address)	Sample Date	TCE ug/L
2L Standard		**3**
1000 Oakwood Street Extension	2/3/2012	<0.3
818 Oakwood Street Extension	2/3/2012	**2.4**
801 Oakwood Street Extension	3/26/2012	<0.3

NOTES
Only detected compounds listed in table.
µg/L - micrograms per liter
2L Standard - North Carolina Administrative Code 2L Groundwater Standard (January 2010).
Bold - compound detected.

DRAFT

Table 4-7

Groundwater, Surface Water, and Pore Water Analytical Results - VOCs

BASF Facility

Mebane, North Carolina

Sample ID	Sample Date	1,4-Dioxane ug/L	Acetone ug/L	Benzene ug/L	Bromo-dichloro-methane ug/L	2-Butanone ug/L	Carbon disulfide ug/L	Carbon tetra-chloride ug/L	Chloro-ethane ug/L	Chloroform ug/L	Chloro-methane ug/L
2L Standard or IMAC		3	6,000	1	0.6	4,000	700	0.3	3,000	70	3
MW-1	2/23/2012	<1.0	<6.7	<0.20	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-1d (113)*	2/21/2012	<3.0	<5.0	<0.5	<1.7	<5.0	<5.0	<0.5	**0.25 J**	<0.5	<0.5
MW-1d	3/22/2012	<1.0	<6.7	**1.2 J**	<1.7	<1.8	**0.31J**	<0.4	<0.5	<1.7	<0.3
MW-2	02/22/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-3	2/21/2012	**81**	**19 J**	<0.2	<1.7	<1.8	<0.3	**19**	**5**	**4.4 J**	<0.3
MW-4	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-6	2/29/2012	**2.9 J**	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-7s	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-7i	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-8s	2/23/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-8i	2/23/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-9s	2/22/2012	< 1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<5.0 J
MW-9i	2/22/2012	**2.0 J**	< 20 J	<10 J	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-9d (86)*	3/22/2012	< 1.0	**24**	<0.2	<1.7	**3.0 J**	< 0.3	< 0.4	< 0.5	<1.7	<0.3
MW-10s	2/21/2012	**37**	<6.7	<0.2	<1.7	<1.8	<0.3	**2.6 J**	<0.5	**2.4 J**	<0.3
MW-10i	2/21/2012	**44**	<6.7	<0.2	<1.7	<1.8	<0.3	**11**	**1.2 J**	**1.8 J**	<0.3
MW-10d (133)*	3/8/2012	**4.0**	<6.7	<0.2	<1.7	<1.8	<0.3	**1.8 J**	<0.5	<1.7	<0.3
MW-10d	3/22/2012	**11**	<6.7	**0.29 J**	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-11	2/21/2012	**93**	**19 J**	**1.3 J**	<1.7	<1.8	<0.3	<0.4	**240**	**2.3 J**	<0.3
MW-12i	3/27/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-13i	3/22/2012	**8.2**	<6.7	<0.2	<1.7	<1.8	<0.3	**0.54 J**	< 0.5	<1.7	<0.3
MW-13d (75-82)**	3/14/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-13d (125-148)**	3/13/2012	<1.0	**13 J**	**2.4 J**	<1.7	<1.8	**1.7 J**	<0.4	<0.5	<1.7	<0.3
MW-13d	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-14i	3/22/2012	**140**	<6.7	<0.2	<1.7	<1.8	<0.3	**26**	<0.5	**2.5 J**	<0.3
MW-15i	3/22/2012	**19**	<6.7	<5.0 J	<1.7	<10 J	**1.1 J**	**6.6 J**	<5.0 J	<5.0 J	<5.0 J
MW-15d (109)*	2/28/2012	**51**	<5.0	<0.5	<1.7	<5.0	<5.0	**14**	**2**	**2.7**	<0.5
MW-15d (125-132)**	3/2/2012	**80**	<6.7	<0.2	<1.7	<1.8	<0.3	**11**	**1.7 J**	**1.9 J**	<0.3
MW-15d (140-145)**	3/2/2012	**100**	**27**	<0.2	<1.7	<1.8	<0.3	**3.8 J**	**0.92 J**	**2.7 J**	<0.3
MW-15d	3/26/2012	**110**	**7.0 J**	<0.2	<1.7	<1.8	<0.3	**12**	**2.6 J**	**3.7 J**	<0.3
MW-16i	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-16d (77)*	3/26/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-16d	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-17i	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-17d (75)*	3/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	**0.41 J**
MW-17d	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
MW-18i	6/12/2012	**20**	<6.7	<0.2	<1.7	<1.8	<0.3	**5.4**	<0.5	**2.1 J**	<0.3
MW-18d (> 85)**	6/11/2012	**140**	<6.7	<0.2	<1.7	<1.8	<0.3	**34**	**1.6 J**	**16**	<0.3
MW-18d (100-107)**	6/11/2012	**90**	**7.9 J**	<0.2	<1.7	<1.8	<0.3	**9.9**	**1.1 J**	**33**	<0.3
MW-18d (154-161)**	6/11/2012	**70**	**10 J**	<0.2	<1.7	<1.8	<0.3	**4.0 J**	**0.52 J**	**29**	<0.3
MW-18d (183-190)**	6/8/2012	**40**	**22**	<0.2	**3.9 J**	<1.8	<0.3	**3.5 J**	<0.5	**32**	<0.3
MW-19i	6/12/2012	**4.9**	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	**2.0**	<0.3
MW-19d (63-100)**	6/1/2012	<1.0	<6.7	<0.2	**4.8 J**	<1.8	<0.3	<0.4	<0.5	**37**	<0.3
MW-19d (126-128)**	6/5/2012	<1.0	**8.7 J**	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	**17**	<0.3
MW-19d (144-149)**	6/4/2012	<1.0	**18 J**	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	**5.5**	<0.3
MW-19d (161.5-168.5)**	6/4/2012	<1.0	**7.1 J**	<0.2	**1.9 J**	<1.8	<0.3	<0.4	<0.5	**26**	<0.3
RW-3R	2/20/2012	**140**	<6.7	<0.2	<1.7	<1.8	<0.3	**45**	**110**	**6.7**	<0.3
RW-4	2/202012	**68 J**	<6.7	<0.2	<1.7	<1.8	<0.3	**26**	<0.5	**3.9 J**	<0.3
RW-5	2/20/2012	**43 J**	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
RW-6	2/20/2012	**27 J**	<6.7	<0.2	<1.7	<1.8	<0.3	**1.0 J**	<0.5	<1.7	**1.7 J**
RW-7	2/20/2012	**34 J**	<6.7	<0.2	<1.7	<1.8	<0.3	**5.0**	**0.59 J**	<1.7	<0.3
PZ-3	2/21/2012	**12**	**14 J**	**2.7 J**	<1.7	<1.8	<0.3	<0.4	**2,600**	<1.7	<0.3
PW-1	3/1/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-2	3/1/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.50	<1.7	<0.3
PW-3	3/2/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-4	3/1/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-5	3/1/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-6	3/1/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-7	3/2/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-8	3/2/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
PW-9	3/2/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
SW-1	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
SW-2	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
SW-3	2/29/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
DUP-01 (MW-10s)	2/21/2012	**36**	**15 J**	<0.2	<1.7	<1.8	<0.3	**3.9 J**	<0.5	**2.6 J**	<0.3
Dup-02 (PW-7)	3/2/2012	NA	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
Dup-01 (MW-14i)	3/22/2012	**140**	<6.7	<0.2	<1.7	<1.8	<0.3	**28**	<0.5	**2.8 J**	<0.3
Dup-01 032712 (MW-12i)	3/27/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3
Dup-01-040512 (MW-13d)	4/5/2012	<1.0	<6.7	<0.2	<1.7	<1.8	<0.3	<0.4	<0.5	<1.7	<0.3

Sample ID	Cyclo-hexane ug/L	1,2-Dichloro-benzene ug/L	1,1-DCA ug/L	1,2-DCA ug/L	1,1-DCE ug/L	cis-1,2-DCE ug/L	1,2-Dichloro-propane ug/L	Ethyl-benzene ug/L	2-Hexanone ug/L	Isopropyl-benzene ug/L	Methyl acetate ug/L	4-Methyl-2-pentanone ug/L	Methylcyclo-hexane ug/L	Methylene chloride ug/L
2L Standard or IMAC	NS	20	6	0.4	7	70	0.6	600	40	70	NS	NS	NS	5
MW-1	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<.95	<1.7
MW-1d (113)*	NA	<0.5	**0.36 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	NA	NA	NA	<1.0
MW-1d	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<.95	<1.7
MW-2	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-3	<0.98	<1.7	**73**	**5.3**	**250**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-4	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-6	<0.98	<1.7	<0.3	<0.3	**0.83 J**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-7s	<0.98	<1.7	<0.3	<0.3	**0.68 J**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-7i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-8s	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-8i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-9s	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-9i	<0.98	<1.7	**0.88 J**	<0.3	**5.2**	<0.2	<5 J	<1.7	<10 J	<1.0	<0.72	<0.8	<0.95	<1.7
MW-9d (86)*	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-10s	<0.98	<1.7	**15**	< 5.0 J	**100**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-10i	<0.98	<1.7	**17**	<0.3	**36**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-10d (133)*	<0.98	<1.7	**3.4 J**	<0.3	**12**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-10d	<0.98	<1.7	**7.2**	<0.3	**27**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<.95	<1.7
MW-11	<0.98	<1.7	**1,500**	**4.5 J**	**560**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-12i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-13i	<0.98	<1.7	**3.1 J**	<0.3	**4.9 J**	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-13d (75-82)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-13d (125-148)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-13d	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.30	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-14i	<0.98	<1.7	**9.4**	<0.3	**5.8**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-15i	<5.0 J	<5.0 J	**5.7 J**	<5.0 J	**17 J**	<5.0 J	<5.0 J	<5.0 J	<10 J	<5.0 J	<5.0 J	<10 J	<5.0 J	<5.0 J
MW-15d (109)*	NA	<0.5	**25**	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	NA	NA	NA	<1.0
MW-15d (125-132)**	<0.98	<1.7	**28**	<0.3	**32**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-15d (140-145)**	<0.98	<1.7	**24**	<0.3	**12**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-15d	<0.98	<1.7	**65**	<0.3	**79**	**0.20 J**	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-16i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-16d (77)*	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-16d	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-17i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-17d (75)*	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-17d	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-18i	<0.98	<1.7	**7.7**	<0.3	**15**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-18d (> 85)**	<0.98	<1.7	**61**	**0.69 J**	**110**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-18d (100-107)**	<0.98	<1.7	**40**	<0.3	**69**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-18d (154-161)**	<0.98	<1.7	**35**	<0.3	**56**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-18d (183-190)**	<0.98	<1.7	**14**	<0.3	**14**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-19i	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.80	<0.95	<1.7
MW-19d (63-100)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-19d (126-128)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-19d (144-149)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
MW-19d (161.5-168.5)**	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
RW-3R	<0.98	<1.7	**670**	**4.9 J**	**450**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
RW-4	<0.98	<1.7	**59**	<0.3	**180**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
RW-5	<0.98	<1.7	<0.56	<0.3	**1.6 J**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
RW-6	<0.98	<1.7	**5.9**	<0.3	**15**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
RW-7	<0.98	<1.7	**10**	<0.3	**20**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PZ-3	<0.98	**48**	**2,100**	**4.6 J**	**470**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-1	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-2	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-3	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-4	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-5	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-6	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-7	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-8	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
PW-9	<0.98	**1.7**	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
SW-1	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
SW-2	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
SW-3	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
DUP-01 (MW-10s)	<0.98	<1.7	**16**	<0.3	**92**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
Dup-02 (PW-7)	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
Dup-01 (MW-14i)	<0.98	<1.7	**9.0**	<0.3	**4.7 J**	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
Dup-01 032712 (MW-12i)	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7
Dup-01-040512 (MW-13d)	<0.98	<1.7	<0.3	<0.3	<0.5	<0.2	<0.3	<1.7	<1.0	<1.0	<0.72	<0.8	<0.95	<1.7

Sample ID	Styrene ug/L	PCE ug/L	1,1,2,2-PCA ug/L	Toluene ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane ug/L	1,1,1-TCA ug/L	1,1,2-TCA ug/L	TCE ug/L	Trichloro-fluoro-methane ug/L	Vinyl chloride ug/L	Xylenes (total) ug/L
2L Standard or IMAC	70	0.7	0.2	600	200,000	200	0.6	3	2,000	0.03	500
MW-1	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-1d (113)*	<0.5	<0.5	<0.4	**0.78**	NA	**0.56**	<0.5	<0.5	<0.5	<0.5	<1.5
MW-1d	<0.1	<0.4	<0.4	**6.9**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	**9.1**
MW-2	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-3	<0.1	<0.4	<0.4	<1.7	<0.3	**230**	**1.4 J**	**1.5 J**	**3.6 J**	<0.1	<1.7
MW-4	<0.1	<0.4	<0.4	<1.7	<0.30	<0.2	<0.3	<0.3	<0.30	<0.1	<1.7
MW-6	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-7s	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-7i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-8s	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-8i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-9s	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-9i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<5 J	<0.3	<0.3	<0.1	<1.7
MW-9d (86)*	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-10s	<0.1	<0.4	<0.4	<1.7	<0.3	**2.4 J**	**0.56 J**	**0.3 J**	**3.7 J**	**0.15 J**	<1.7
MW-10i	<0.1	<0.4	<0.4	<1.7	<0.3	**2.1 J**	<0.3	<0.3	**6.2**	<0.1	<1.7
MW-10d (133)*	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-10d	<0.1	<0.4	<0.4	**3.3 J**	<0.3	**0.28 J**	<0.30	<0.30	**0.65 J**	<0.1	**2.5 J**
MW-11	<0.1	<0.4	<0.4	<1.7	<0.3	**1,500**	**5.5**	**1.1 J**	**1.0 J**	**7.6**	<1.7
MW-12i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<5.0 J	<0.3	<0.3	<0.1	<1.7
MW-13i	<0.1	<0.4	<0.4	<1.7	<0.3	**0.37 J**	<0.3	<0.3	**0.64 J**	<0.1	<1.7
MW-13d (75-82)**	<0.1	<0.4	<0.4	**31**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-13d (125-148)**	<0.1	<0.4	<0.4	**120**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-13d	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-14i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	**11**	<0.1	<1.7
MW-15i	<5.0 J	<5.0 J	<0.4	<5.0 J	<5.0 J	**0.43 J**	<5.0	<5.0	**6.5 J**	<2.0 J	<5.0 J
MW-15d (109)*	<0.5	**0.49 J**	<0.4	**0.48 J**	NA	**3.2**	**0.65**	<0.5	**7.7**	<0.5	<1.5
MW-15d (125-132)**	<0.1	<0.4	<0.4	**41**	<0.3	**5.9**	<0.3	<0.3	**5.1**	<0.1	<1.7
MW-15d (140-145)**	<0.1	<0.4	<0.4	**73**	<0.3	**3.0 J**	<0.3	<0.3	**1.5 J**	<0.1	<1.7
MW-15d	<0.1	<0.4	<0.4	**2.5 J**	<0.3	**5.4**	**0.74 J**	<0.3	**9.8**	**0.26 J**	<1.7
MW-16i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-16d (77)*	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-16d	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-17i	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-17d (75)*	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-17d	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-18i	<0.1	<0.4	<0.4	<1.7	<0.3	**0.35 J**	<0.3	<0.3	**4.0 J**	<0.1	<1.7
MW-18d (> 85)**	<0.1	**0.7 J**	<0.4	**46**	<0.3	**3.6 J**	**1.6 J**	<0.3	**24**	<0.1	<1.7
MW-18d (100-107)**	<0.1	<0.4	<0.4	**18**	<0.3	**2.2 J**	**1.0 J**	<0.3	**14**	<0.1	<1.7
MW-18d (154-161)**	<0.1	<0.4	<0.4	**26**	<0.3	**0.94 J**	**0.80 J**	<0.3	**6.0**	**0.16 J**	<1.7
MW-18d (183-190)**	<0.1	<0.4	**1.5 J**	**8.4**	<0.3	**0.65 J**	**0.42 J**	<0.3	**2.3 J**	<0.1	<1.7
MW-19i	<0.1	**0.45 J**	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-19d (63-100)**	<0.1	<0.4	<0.4	**15**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-19d (126-128)**	<0.1	<0.4	<0.4	**42**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-19d (144-149)**	<0.1	<0.4	<0.4	**4.2 J**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
MW-19d (161.5-168.5)**	<0.1	<0.4	<0.4	**11**	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
RW-3R	<0.1	**1.1 J**	<0.4	<1.7	<0.3	**450**	**4.3 J**	**1.6 J**	**4.1 J**	**2**	<1.7
RW-4	<0.1	<0.4	<0.4	<1.7	<0.3	**25**	<0.3	**1.0 J**	**2.8 J**	<0.1	<1.7
RW-5	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
RW-6	<0.1	<0.4	<0.4	<1.7	<0.3	**0.43 J**	<0.3	<0.3	**1.5 J**	<0.1	<1.7
RW-7	<0.1	<0.4	<0.4	<1.7	<0.3	**1.4 J**	<0.3	<0.3	**3.0 J**	<0.1	<1.7
PZ-3	<0.1	**3.2 J**	<0.4	<1.7	<0.3	**560**	<0.3	**1.8 J**	<0.3	**95**	**3.0 J**
PW-1	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-2	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-3	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-4	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-5	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-6	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	**0.52 J**	<0.3	<0.1	<1.7
PW-7	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-8	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
PW-9	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
SW-1	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
SW-2	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
SW-3	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
DUP-01 (MW-10s)	<0.1	<0.4	<0.4	<1.7	<0.3	**3.9 J**	<0.3	**0.34 J**	**7.9**	<0.1	<1.7
Dup-02 (PW-7)	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
Dup-01 (MW-14i)	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	**12**	<0.1	<1.7
Dup-01 032712 (MW-12i)	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7
Dup-01-040512 (MW-13d)	<0.1	<0.4	<0.4	<1.7	<0.3	<0.2	<0.3	<0.3	<0.3	<0.1	<1.7

Notes:
Only detected compounds listed in table.
ug/L - micrograms per liter.
J - Estimated data: the reported quantitation limit or sample concentration is approximated due to exceedance of one or more quality control requirements.
UJ - Non-detect and estimated data: the reported quantitation limit or sample concentration is qualified as non-detect and estimated due to exceedance of one or more quality control requirements.
2L Standard - North Carolina Administrative Code 2L Groundwater Standard (January 2010).
IMAC - Interim maximum allowable concentration.
Bold - compound detected
Shaded - compound detected at concentrations above the 2L Standard.
NS - No 2L Standard or IMAC established.
* - sample collected prior to well construction. The depth shown is the total depth of the open borehole; sample was collected from the base of the borehole using low flow techniques.
** - sample collected prior to well construction. The depth range is the fracture zone that was sampled during packer testing.

Legend:
DCA - dichloroethane
DCE - dichloroethene
PCA - tetrachloroethane
PCE - tetrachloroethene
TCA - trichloroethane
TCE - trichloroethene

Sample Summary
AECOM
Lot Number: NB08020

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	818 OAKWOOD ST. EXT.	Aqueous	02/03/2012 1050	02/08/2012

(1 sample)

Executive Summary

AECOM

Lot Number: NB08020

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	818 OAKWOOD ST. EXT.	Aqueous	Trichloroethene	8260B	2.4	J	ug/L	7

(1 detection)

Volatile Organic Compounds by GC/MS (SIM)

Client: AECOM
Laboratory ID: NB08020-001
Description: 818 OAKWOOD ST. EXT.
Matrix: Aqueous
Date Sampled: 02/03/2012 1050
Date Received: 02/08/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM)	1	02/15/2012 0720	DLB		77776

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM)	ND		3.0	1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: AECOM
Laboratory ID: NB08020-001
Description: 818 OAKWOOD ST. EXT.
Matrix: Aqueous
Date Sampled: 02/03/2012 1050
Date Received: 02/08/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2012 0937	BM		77599

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

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* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: AECOM
Laboratory ID: NB08020-001
Description: 818 OAKWOOD ST. EXT.
Matrix: Aqueous
Date Sampled: 02/03/2012 1050
Date Received: 02/08/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2012 0937	BM		77599

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	2.4	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Library Search

Client: AECOM
Laboratory ID: NB08020-001
Description: 818 OAKWOOD ST. EXT.
Matrix: Aqueous
Date Sampled: 02/03/2012 1050
Date Received: 02/08/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1				77650

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
None Detected		8260B			0.00	0.00	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
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