11190 Sunrise Valley Drive
Suite 300
Reston, VA 20191
Main: 703 709 6500
www.wspgroup.com/usa

July 25, 2014

Erich Weissbart, P.G.
Land and Chemicals Division
U.S. Environmental Protection Agency, Region III
701 Mapes Road
Fort Meade, MD 20755

Re: Quarterly Status Report No. 2
Kop-Flex Voluntary Cleanup Site #31, Hanover, Maryland

Dear Erich:

WSP USA Corp., on behalf of Emerson and Kop-Flex, Inc., is submitting this progress report describing the investigation and remediation activities conducted at the Kop-Flex VCP site in Hanover, Maryland. The progress report includes a discussion of work conducted in the second quarter 2014, and the activities planned for the third quarter 2014. If you have any questions, please do not hesitate to contact us at 703-709-6500.

Sincerely yours,

Robert E. Johnson, PhD.
Senior Technical Manager

REJ:rlo
k:\emerson\kop-flex\reporting\status reports\mde reports\2014\3705_0708rejrep_kopflex_progress_rpt_2_fin

cc: Mr. Derek Chase, Emerson Electric Co.
Ms. Richelle Hanson, Maryland Department of the Environment

Enclosure

Progress Report No. 2

Kop-Flex VCP Site #31

April 2014 through June 2014

Site Name:	Kop-Flex Facility
Site Address:	7565 Harmans Road Hanover, Maryland 21076
Consultant:	WSP USA Corp.
Address:	11190 Sunrise Valley Dr., Suite 300 Reston, Virginia 20191
Phone No.:	(703) 709-6500
Site Coordinator:	Eric Johnson
Alternate:	Jim Bulman

1.0 Onsite Activities

The following activities were conducted during Second Quarter 2014.

- Four former UVB wells located in Areas 2 and 4 were decommissioned in accordance with the promulgated abandonment standards during the week of May 26, 2014.

- Two groundwater pumping tests were conducted at the site; one for the surficial aquifer on the west side of the manufacturing building and the second for the Lower Patapsco aquifer on the southeast portion of the site. Wells installed for the Surficial Aquifer test included pumping well TW-1, shallow well MW-38 and intermediate wells MW-39, OW-1, and OW-2. Deep pumping well TW-2 along the southern property boundary was the only additional well completed for the test activities for the Lower Patapsco Aquifer. The locations of these test wells are shown in the enclosed Figure 1.

- During installation of the TW-2 borehole, groundwater profiling was conducted in the upper portion of the Lower Patapsco Aquifer to provide data to assess the vertical extent of volatile organic compounds (VOCs) at this location and guide construction of the pumping well. Samples were field screened for 1,1-dichloroethene (DCE) using compound-specific colorimetric tube and submitted to an offsite laboratory for VOC analysis on an expedited turn-around time.

  The analytical results for the depth-discrete groundwater samples are provided in Table 1; a copy of the laboratory report is included in Attachment A. The VOC concentrations in the upper-most samples (e.g., TW-2 111 and TW-2 131) were similar to the previous samples collected from deep monitoring well MW-1D, which is located less than 100 feet east of TW-2. The vertical distribution of VOC impacts is consistent with profiling data obtained from other deep monitoring wells in this area of the site.

- Groundwater pumping tests were performed on the Surficial and Lower Patapsco aquifers from late April through early May 2014 in accordance with the Scope of Work for Aquifer Testing, dated March 12, 2014. Aquifer testing was first conducted on the Surficial Aquifer and then the deeper Lower Patapsco Aquifer. For each test, field data were gathered during pre-test (background) water level monitoring, step-drawdown testing of the groundwater extraction well, and a 72-hour constant discharge pumping test. The constant discharge test was designed to record water level changes in

the aquifer during and following the cessation of groundwater pumping. The groundwater discharge from both tests was routed to temporary storage tanks, and subsequently treated and discharged to Stony Run at Outfall 001 in accordance with the facility's National Pollutant Discharge Elimination System Permit MD0069094 and State Discharge Permit No. 07-DP-3442. A discussion of the pumping test results will be provided in the Amended Response Action Plan (RAP) for site groundwater.

- All onsite monitoring wells, including new wells MW-38 and MW-39 west of the building, and offsite well MW-24D on the adjoining Williams-Scotsman property were sampled in early June 2014 as part of the ongoing semi-annual groundwater monitoring activities at the site. A synoptic round of water level measurements was obtained from the wells during this sampling event.

  The analytical results from the June 2014 groundwater monitoring event are presented in Table 2 along with results since 2009. Analytical results for 1,4-dioxane are also reported in this table. (Copies of the laboratory reports for these samples are provided in Attachment B.) For wells located north and west of the building, the June 2014 analytical results were consistent with data from previous sampling events. The shallow (less than 30 feet bgs) and intermediate (approximately 40-60 feet bgs) perimeter wells continue to show no VOCs at levels of concern. The sampling data indicate site-related COCs are not migrating offsite in the Surficial Aquifer. VOC concentrations in samples from Surficial Aquifer wells installed east of the building are also generally consistent with previous monitoring results, although a few intermediate-depth wells (MW-11, MW-12 and MW-15) did show some minor decreases in levels for some compounds. In addition, VOC concentrations are similar for samples collected from the deep wells screened in the Lower Patapsco Aquifer. Overall, the pumping test activities conducted approximately one month before the monitoring event appear to have caused no significant, area-wide changes in VOC concentrations in the aquifer. A couple of wells within the test area (MW-17D and MW-26D) do exhibit very small reductions in VOC levels; however, there was no noticeable decline in the concentrations in the sample from MW-1D, which was the closest monitoring well to the pumping well (see Figure 1).

2.0 Off-Property Area

2.1 Water Main Extension

- Installation of an extension of the public water main along Twin Oaks Road began on May 14, 2014, and completed on June 10, 2014.

- Four homes with VOC concentrations over MCLs were connected to the new water main:
  - 7708 Twin Oaks Road – June 16, 2014
  - 7722 Twin Oaks Road – June 18, 2014
  - 7714 Twin Oaks Road – June 19, 2014
  - 7710 Twin Oaks Road – June 20, 2014

- As of June 20, 2014 all homes with VOC concentrations above MCLs were connected to public water and bottled water delivery was stopped.

2.2 Offsite Monitoring Wells

- The Anne Arundel County Department of Public Works (DPW) issued the right-of-way (ROW) permits to WSP for the five offsite monitoring well locations on May 13, 2014.

- A pre-construction meeting between WSP and the Anne Arundel County DPW was conducted on June 10, 2014, to discuss completion of the field work in accordance with the ROW permits.

- Offsite monitoring well installation activities started the week of June 16, 2014, at the MW-25 location at the east end of Siden Drive. The approximate location for this drill site is shown in the enclosed Figure 2. The drilling and well installation activities continued at this location through the end of the reporting period. Additional information concerning the installation of the offsite wells will be provided in the next quarterly progress report.

2.4 Residential Well Sampling

- During the week of May 26, 2014 water samples were collected at six residences with potable wells that were identified by MDE for continued monitoring.

- The analytical results for these residential well samples were received in late June 2014; a copy of the laboratory report is included in Attachment C. No site-related VOCs were detected in any of the six samples above applicable groundwater comparative criteria.

3.0 Planned Activities for Next Reporting Period (July 2014 – September 2014)

3.1 Onsite Activities

- Complete the evaluation of the aquifer test data.

- Initiate preparation of an Amended RAP to address the VOC-affected groundwater on the Kop-Flex property.

3.2 Off-Property Area

- Abandon private water supply wells at residences along Twin Oaks Road that have been recently connected to the municipal water system.

- Conduct the third sampling event of the six residences designated by MDE.

- Complete the installation of the offsite groundwater monitoring wells at the proposed downgradient locations.

- Collect one round of groundwater quality sample from the new offsite monitoring wells.

4.0 Key Personnel Changes

- There were no changes to key project personnel during the reporting period.

Figure

MW-25D-113

PARKING AREA

MW-07-22

MW-23D-92

PARKING AREA

POND

MW-19-56

WILLIAMS SCOTSMAN, INC.

MW-03-25.5

OFFICE

MW-10-27

MW-09-25

MW-39-50

OW-2-55

MW-11-60

MW-38-28

MAIN MANUFACTURING BUILDING

MW-04-36

MW-20-60

MW-08-42

OW-1-56

TW-1-63

MW-16-50

MW-16D-101

MW-15-40

EQUIPMENT BUILDING

MW-2D-138

MW-18-56

MW-02-40

MW-05-31

FORGE SHOP

EXISTING STORM SEWER MANHOLE

MW-12-48

MW-26D-105

MW-14-47

MW-17-52

MW-17D-97

MW-22D-114

MACADAM DRIVE

MW-06-36

MW-21D-102

TW-2-145

MW-01-36

MW-1D-112

MW-24D-128

POND

STONY RUN

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- OBSERVATION WELL/PIEZOMETER
- EXTRACTION WELL

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Approved: RG 7/18/2014
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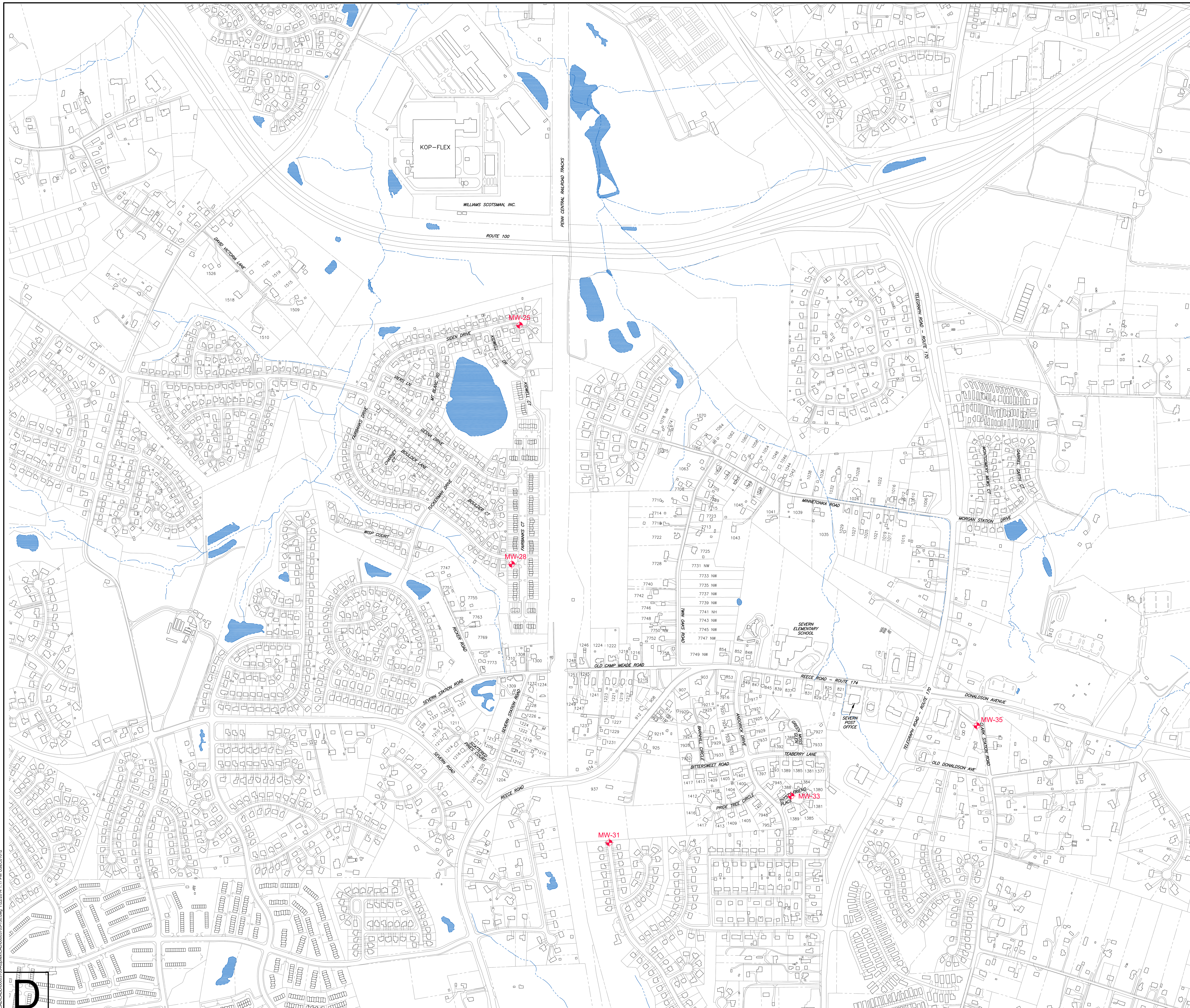
KOP-FLEX
HANOVER, MARYLAND

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

Figure 1

WELL AND PIEZOMETER LOCATIONS

WSP
WSP USA Corp.
11190 Sunrise Valley Drive, Suite 300
Reston, Virginia 20191
(703) 709-6500
www.wspgroup.com/usa



LEGEND

PROPERTY LINE

STREAM

WATER BODY

MONITORING WELL

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OFFSITE MONITORING WELL LOCATIONS

KOP-FLEX VCP SITE
HANOVER, MARYLAND

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

WSP
WSP USA Corp.
11190 Sunrise Valley Drive, Suite 300
Reston, Virginia 20191
(703) 709-6500
www.wspenvironmental.com/usa

FIGURE 2

Drawing Number
00003705-150

D

Tables

Table 1

Extraction Well TW-2 Depth-Discrete Groundwater Sample Results
Kop-Flex VCP Site
Hanover, Maryland

Analyte (b)	Sample ID	TW-2 111	TW-2 121	TW-2 131	TW-2 141	TW-2 151	TW-2 161
	Sample Depth (ft.)	111	121	131	141	151	161
	Sample Date	4/7/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014
1,1,1-Trichloroethane		54	1 U	8	5.4	1 U	1 U
1,1,2-Trichloroethane		1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane		71	1 U	40	17	1.2	1 U
1,1-Dichloroethene		270	10	350	170	5.3	1 U
1,2-Dichloroethane		3.7	1 U	4	3	1 U	1 U
Trichloroethene		1.3	1 U	3.2	1.3	1 U	1 U
cis-1,2-Dichloroethene		1 U	1 U	2.3	1	1 U	1 U
Total Detected Site VOCs		400	10	408	198	6.5	**---**
1,1-Dichloroethene Field Screening Result (ppm)		12	0.2	>14	8	0.1	ND

a/ U = not detected at a concentration above the method detection limit
ND = no detectable color change on the colorimetric tube
b/ All concentrations in micrograms per liter (µg/l)

Table 2

Summary of Primary COCs Detected in Groundwater Samples
Kop-Flex Facility
Hanover, Maryland (a)

Monitoring Well	Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloroethene	1,1-Dichloroethane	2-Butanone	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,4- Dioxane	Total VOCs
MW-1																		
May-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
May-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Jun-11	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	11.6	12
MW-1D																		
Jun-12	ND	ND	ND	310	ND	ND	ND	NA	63	ND	ND	96	ND	ND	ND	ND	430	899
Dec-12	ND	ND	ND	380	ND	ND	ND	NA	77	ND	ND	120	6.4	1.7	1.6	ND	422	
Jul-13	ND	ND	ND	389	ND	ND	ND	NA	70.9	ND	ND	98.8	6.2	1.8	1.5	ND	439.0	1,007
Dec-13 (g)	ND	ND	ND	288	ND	ND	ND	NA	45.2	ND	ND	62.4	4.40	ND	ND	ND	290.0 (l)	690
Jun-14 (g)	ND	ND	ND	320	ND	ND	ND	NA	45.7	ND	ND	62.4	4.70	ND	ND	ND	326.0 (c)	759
MW-2																		
May-09	2	120	ND	600	3	NA	NA	7	1,200	ND	ND	150	9	8	ND	3	NA	2,102
Oct-09	4	240	ND	1,200	5	NA	NA	12	2,900	17	ND	380	12	17	ND	7	NA	4,794
May-10	5	ND	ND	1,800	ND	NA	NA	15	3,200	ND	ND	520	16	22	ND	11	NA	5,589
Oct-10	4	ND	ND	2,000	ND	NA	NA	13	3,400	ND	ND	2,700	15	23	ND	11	NA	8,166
Jun-11	ND	280	ND	2,200	ND	NA	NA	ND	3,300	ND	ND	ND	ND	ND	ND	ND	NA	5,780
Nov-11	6	130	ND	1,800	4	9	ND	NA	1,600	22	1	2,800	15	22	1	8	1140	7,558
Jun-12 (d)	ND	ND	ND	1,900	ND	ND	ND	NA	1,900	ND	ND	6,100	ND	ND	ND	ND	983	10,883
Dec-12	ND	62	ND	820	ND	5.8	ND	NA	880	ND	ND	350	10	11	ND	3.6	747	2,889
Jul-13	2.8	47.6	ND	890	ND	5.6	ND	NA	755	7	ND	541	10.3	11.7	ND	4	933.0	3,208
Dec-13 (h)	ND	29	ND	457	ND	ND	ND	NA	486.0	ND	ND	228.0	5.60	5.7	ND	ND	671.0 (i)	1,882
Jun-14 (h)	ND	29	ND	678	16	ND	ND	NA	643.0	ND	ND	599.0	8.50	11.2	ND	ND	629.0 (c)	2,614
MW-2D																		
Jul-11	ND	ND	ND	120				ND	16			28	2	ND	ND	ND	NA	166
Nov-11	ND	ND	ND	130	ND	ND	ND	NA	17	ND	ND	27	2	ND	ND	ND	116	292
Jun-12	ND	ND	ND	130	ND	ND	ND	NA	16	ND	ND	28	ND	ND	ND	ND	118	292
Dec-12	ND	ND	ND	130	ND	ND		NA	17	ND	ND	23	2.0	ND	ND	ND	101	273
Jul-13	ND	ND	ND	170	ND	ND	ND	NA	18.5	ND	ND	23	2.1	ND	ND	ND	130.0	344
Dec-13	ND	ND	ND	118	ND	ND	ND	NA	13.0	ND	ND	15.9	1.50	ND	ND	ND	109.0 (h)	257
Jun-14	ND	ND	ND	166	ND	ND	ND	NA	19.7	ND	ND	26.9	1.80	ND	ND	ND	121.0 (n)	335
MW-3																		
May-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
May-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Jun-11	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Nov-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-4																		
May-09	ND	ND	ND	350	ND	NA	NA	ND	130	ND	ND	100	ND	3	ND	1	NA	584
Oct-09	ND	ND	ND	410	ND	NA	NA	3	150	ND	ND	100	ND	3	ND	1	NA	667
May-10	ND	ND	ND	1,100	ND	NA	NA	ND	290	ND	ND	180	8	8	ND	5	NA	1,591
Oct-10	ND	ND	ND	360	ND	NA	NA	ND	130	ND	ND	75	3	3	ND	2	NA	573
Jun-11	ND	ND	ND	200	ND	NA	NA	ND	81	ND	ND	32	2	2	ND	ND	NA	317
Dec-11	ND	ND	ND	250	ND	ND	ND	NA	87	ND	ND	47	2	2	ND	ND	212	600
Jun-12	ND	ND	ND	180	ND	ND	ND	NA	68	ND	ND	25	ND	ND	ND	ND	158	431
Dec-12	ND	ND	ND	210	ND	ND	ND	NA	100	ND	ND	26	2	2	ND	ND	188	528
Jul-13	ND	ND	ND	233	ND	ND	ND	NA	108	ND	ND	27.9	2.3	2.3	ND	ND	232.0	606
Dec-13	ND	ND	ND	188	ND	ND	ND	NA	67.0	ND	ND	21.3	1.40	1.7	ND	ND	178.0 (h)	457
Jun-14	ND	ND	ND	908 (c)	ND	ND	ND	NA	198.0 (c)	ND	1.3	104.0	7.20	8.0	ND	3.2	456.0 (h)	1,686
MW-5																		
May-09	ND	ND	ND	4	ND	NA	NA	ND	9	ND	ND	6	ND	ND	ND	ND	NA	19
Oct-09	ND	ND	ND	5	ND	NA	NA	ND	11	ND	ND	6	ND	ND	ND	ND	NA	22
May-10	ND	ND	ND	7	ND	NA	NA	ND	12	ND	ND	6	ND	ND	ND	ND	NA	25
Oct-10	ND	ND	ND	4	ND	NA	NA	ND	8	ND	ND	5	ND	ND	ND	ND	NA	17
Jun-11	ND	ND	ND	3	ND	NA	NA	ND	7	ND	ND	5	ND	ND	ND	ND	NA	15
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	4.1	ND	ND	4	ND	ND	ND	ND	246	255
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	7	ND	ND	ND	ND	ND	ND	ND	211	218
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	3.4	ND	ND	2.2	ND	ND	ND	ND	245	251
Jul-13	ND	ND	ND	2.2	ND	ND	ND	NA	3.3	ND	ND	2.4	ND	ND	ND	ND	205.0	213
Dec-13	ND	ND	ND	1.5	ND	ND	ND	NA	2.9	ND	ND	1.8	ND	ND	ND	ND	137.0 (h)	143
Jun-14	ND	ND	ND	1.9	ND	ND	ND	NA	3.0	ND	ND	2.5	ND	ND	ND	ND	92.3	100
MW-6																		
May-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
May-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Jun-11	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 2

Summary of Primary COCs Detected in Groundwater Samples
Kop-Flex Facility
Hanover, Maryland (a)

Monitoring Well	Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloroethene	1,1-Dichloroethane	2-Butanone	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,4- Dioxane	Total VOCs
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-7																		
May-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
May-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-10	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Jun-11	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jul-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	2.4	2
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-8																		
May-09	ND	ND	ND	250	ND	NA	NA	1	210	ND	ND	100	5	4	ND	1	NA	571
Oct-09	ND	ND	ND	310	ND	NA	NA	1	260	ND	ND	70	5	4	ND	1	NA	651
May-10	ND	ND	ND	240	ND	NA	NA	1	249	ND	ND	65	5	4	ND	2	NA	566
Oct-10	ND	ND	ND	200	ND	NA	NA	ND	170	ND	ND	25	3	3	ND	ND	NA	401
Jun-11	ND	ND	ND	350	ND	NA	NA	1	300	ND	3	23	6	4	ND	1	NA	688
Dec-11	ND	ND	ND	190	ND	ND	ND	NA	140	ND	2	13	3	2	ND	ND	361	711
Jun-12 (g)	ND	ND	ND	150	ND	ND	ND	NA	140	ND	ND	ND	ND	ND	ND	ND	445	735
Dec-12	ND	ND	ND	210	ND	ND	ND	NA	180	ND	ND	9.0	4.1	3.1	ND	ND	418	824
Jul-13	ND	ND	ND	208	ND	1.2	ND	NA	164	ND	1.1	6.4	4.4	3.6	ND	1.1	456.0	846
Dec-13	ND	ND	ND	129	ND	ND	ND	NA	78.2	ND	1.2	4.7	2.00	1.8	ND	ND	254.0 (h)	471
Jun-14	ND	ND	ND	142	ND	ND	ND	NA	89.9	ND	ND	3.3	1.90	1.6	ND	ND	219.0 (h)	458
MW-9																		
May-09	ND	ND	ND	250	ND	NA	NA	ND	17	ND	1	16	2	ND	ND	ND	NA	286
Oct-09	ND	ND	ND	300	ND	NA	NA	ND	18	ND	1	13	ND	ND	ND	ND	NA	332
May-10	ND	ND	ND	240		NA	NA	ND	16	ND	ND	10	2	ND	ND	ND	NA	268
Oct-10																	NA	0
Jun-11	ND	ND	ND	290	ND	NA	NA	ND	16	ND	ND	10	2	ND	ND	ND	NA	318
Nov-11	ND	ND	ND	220	ND	ND	ND	NA	14	ND	ND	8	1	ND	ND	ND	86	330
Jun-12	ND	ND	ND	160	ND	ND	ND	NA	8	ND	ND	6	ND	ND	ND	ND	71.3	245
Dec-12	ND	ND	ND	150	ND	ND	ND	NA	12	ND	ND	5.5	1.2	ND	ND	ND	69.2	238
Jul-13	ND	ND	ND	170	ND	ND	ND	NA	10.9	ND	ND	6.4	1.2	ND	ND	ND	69.5	258
Dec-13	ND	ND	ND	181	ND	ND	ND	NA	10.5	ND	ND	4.6	1.30	ND	ND	ND	97.7 (h)	295
Jun-14	ND	ND	ND	193	ND	ND	ND	NA	8.5	ND	ND	ND	1.20	ND	ND	ND	53.9 (h)	257
MW-10																		
May-09	ND	ND	ND	4	ND	NA	NA	ND	ND	ND	6	ND	ND	ND	ND	ND	NA	10
Oct-09	ND	ND	ND	3	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	3
May-10	ND	ND	ND	4	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	4
Oct-10	ND	ND	ND	3	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	3
Jun-11	ND	ND	ND	4	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	4
Nov-11	ND	ND	ND	4	ND	ND	ND	NA	ND	ND	4	ND	ND	ND	ND	ND	ND	8
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.3	3
Dec-12	ND	ND	ND	2.4	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul-13	ND	ND	ND	2.9	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
Dec-13	ND	ND	ND	1.9	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.4	5
Jun-14	ND	ND	ND	2.3	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	13.1	15
MW-11																		
May-09	ND	ND	ND	740	ND	NA	NA	2	67	ND	ND	47	9	4	ND	ND	NA	869
Oct-09	1	38	ND	2,100	4	NA	NA	8	620	ND	2	230	16	13	2	3	NA	3,037
May-10	ND	ND	ND	750	ND	NA	NA	3	130	ND	ND	67	10	5	ND	ND	NA	965
Oct-10	ND	ND	ND	540	ND	NA	NA	2	110	ND	ND	52	9	5	ND	ND	NA	718
Jun-11	ND	ND	ND	720	ND	NA	NA	2	94	ND	ND	29	8	3	ND	ND	NA	856
Dec-11	ND	ND	ND	430	ND	ND	ND	NA	60	ND	ND	16	7	ND	ND	ND	575	1,088
Jun-12 (h)	ND	ND	ND	730	ND	ND	ND	NA	130	ND	ND	35	ND	ND	ND	ND	487	1,382
Dec-12	ND	40	ND	1,800	6.7	12	ND	NA	1,000	ND	1.9	300	20	13	2.9	4	1,160	4,360
Jul-13	1.6	11.6	ND	1,360	ND	7.2	ND	NA	403	ND	1.4	103	13	8.8	1	1.6	787.0	2,699
Dec-13 (c)	ND	38.1	ND	1,520	ND	10.5	ND	NA	742.0	ND	ND	343.0	12.80	10.3	ND	ND	1,000.0	3,677
Jun-14 (m)	ND	ND	ND	442	9	ND	ND	NA	75.2	ND	ND	21.7	4.90	ND	ND	ND	372.0 (c)	925
MW-12																		
May-09	2	7	ND	2,200	3	NA	NA	22	840	ND	2	120	29	16	3	4	NA	3,248
Oct-09	2	5	ND	1,900	2	NA	NA	16	680	ND	1	87	21	13	2	3	NA	2,732
May-10	3	ND	ND	2,300	ND	NA	NA	25	1,100	ND	ND	160	20	9	ND	4	NA	3,621
Oct-10	2	ND	ND	2,200	ND	NA	NA	19	610	ND	ND	110	26	13	2	3	NA	2,985
Jun-11	2	11	ND	2,800	3	NA	NA	24	750	ND	2	110	34	16	3	3	NA	3,758
Nov-11	2	6	ND	2,400	2	22	ND	NA	440	ND	3	85	39	17	4	3	1,550	4,573
Jun-12 (c)	ND	ND	ND	1,700	ND	ND	ND	NA	430	ND	ND	63	ND	ND	ND	ND	1,130	3,323
Dec-12	ND	30	ND	1,600	ND	19	ND	NA	460	ND	2.0	48	31	13	3.3	2.0	1,240	3,448
Jul-13	2.6	152	ND	2,840	6.6	35.2	ND	NA	869	ND	2.1	77.2	39.2	16.7	3.2	4	1,530.0	5,578
Dec-13 (l)	ND	52	ND	1,530	ND	ND	ND	NA	439.0	ND	ND	41.8	26.20	ND	ND	ND	1,720.0 (i)	3,809
Jun-14 (c)	ND	83.6	ND	3,510	ND	33.2	ND	NA	1,210.0	ND	ND	125.0	43.50	17.8	ND	ND	182.0 (n)	5,205
MW-14																		
May-09	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0
Oct-09	ND	ND	ND	3	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	3
May-10	ND	ND	ND	5	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	5
Oct-10	ND	ND	ND	3	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	3
Jun-11	ND	ND	ND	5	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	5

Table 2

Summary of Primary COCs Detected in Groundwater Samples
Kop-Flex Facility
Hanover, Maryland (a)

Monitoring Well	Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloroethene	1,1-Dichloroethane	2-Butanone	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,4- Dioxane	Total VOCs
Nov-11	ND	ND	ND	5.8	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	6.9	13
Jun-12	ND	ND	ND	5	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	7.4	12
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.6	4
Jul-13	ND	ND	ND	2.6	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.0	6
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	2.2	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.3	6
MW-15																		
Sep-10	1	ND	ND	1,300	ND	NA	NA	9	370	ND	1	27	16	15	2	4	NA	1,745
Oct-10	ND	ND	ND	670	ND	NA	NA	5	180	ND	ND	22	9	7	2	2	NA	897
Jun-11	ND	8	ND	300	ND	NA	NA	2	210	ND	ND	51	3	2	ND	ND	NA	576
Dec-11	ND	4	ND	530	ND	3	ND	NA	190	ND	ND	48	7	4.7	ND	1	345	1,133
Jun-12 (h)	ND	ND	ND	500	ND	ND	ND	NA	200	ND	ND	47	ND	ND	ND	ND	575	1,322
Dec-12	ND	11	ND	540	ND	4.2	ND	NA	320	ND	ND	150	5.2	5.2	ND	1.2	272	1,309
Jul-13	ND	ND	ND	465	ND	5.5	ND	NA	153	ND	ND	43.2	ND	ND	ND	ND	2,530.0	3,197
Dec-13 (g)	ND	3	ND	289	ND	2.8	ND	NA	181.0	ND	ND	107.0	3.00	2.4	ND	ND	228.0 (h)	817
Jun-14 (n)	ND	ND	ND	433 (c)	10.2	5.8	ND	NA	57.0	ND	ND	13.7	4.40	ND	ND	ND	92.8 (g)	617
MW-16																		
Sep-10	ND	480	ND	16,000	28	NA	NA	67	8,300	ND	13	160,000	57	370	4	250	NA	185,569
Oct-10	6	ND	ND	12,000	ND	NA	NA	52	4,900	ND	ND	71,000	42	190	3	140	NA	88,333
Jun-11	ND	660	ND	19,000	ND	NA	NA	ND	3,400	ND	ND	21,000	ND	130	ND	ND	NA	44,190
Dec-11	14	560	ND	18,000	30	59	ND	NA	8,200	23	7	100,000	53	220	3	110	1,930	129,209
Jun-12 (f)	ND	ND	ND	11,000	ND	ND	ND	NA	4,300	ND	ND	41,000	ND	ND	ND	ND	2,050	58,350
Dec-12	9.2	460	ND	14,000	30	56	ND	NA	14,000	18	5.8	30,000	52	160	3.5	69	1,740	60,604
Jul-13	17.7	1,290	46.5	17,900	29.5	59.1	ND	NA	3,600	ND	7.2	29,400	61.3	ND	4.3	83.8	2,260.0	54,759
Dec-13 (k)	ND	266	ND	19,400	ND	ND	ND	NA	2,050.0	ND	ND	12,000.0	ND	ND	ND	ND	2,840.0 (d)	36,556
Jun-14 (k)	ND	278	ND	16,400	ND	ND	ND	NA	3,850.0	ND	ND	30,500.0	ND	213.0	ND	ND	1,570.0 (i)	52,811
MW-16D																		
Jan-11	ND	3	ND	330	8	NA	NA	ND	110	ND	4	82	4	2	ND	ND	NA	543
Jun-11	ND	ND	ND	400	ND	NA	NA	ND	100	ND	ND	75	4	2	ND	ND	NA	581
Dec-11	ND	ND	ND	240	ND	ND	ND	NA	72	ND	ND	64	4	1	ND	ND	267	648
Jun-12	ND	ND	ND	150	ND	ND	ND	NA	49	ND	ND	33	ND	ND	ND	ND	215	447
Dec-12	ND	ND	ND	130	ND	ND	ND	NA	55	ND	ND	29	3	ND	ND	ND	189	406
Jul-13	ND	ND	ND	193	ND	ND	ND	NA	54.3	ND	ND	23.8	3	ND	ND	ND	246.0	520
Dec-13	ND	ND	ND	155	ND	ND	ND	NA	43.2	ND	ND	21.3	2.20	ND	ND	ND	218.0 (h)	440
Jun-14	ND	ND	ND	191	ND	ND	ND	NA	57.6	ND	ND	28.9	3.50	ND	ND	ND	232.0 (h)	513
MW-17																		
Sep-10	ND	ND	ND	7	ND	NA	NA	ND	10	ND	ND	7	ND	ND	ND	ND	NA	24
Oct-10	ND	ND	ND	5	ND	NA	NA	ND	3	ND	ND	2	ND	ND	ND	ND	NA	10
Jun-11	ND	ND	ND	2	ND	NA	NA	ND	2	ND	ND	ND	ND	ND	ND	ND	NA	4
Nov-11	ND	1	ND	41	ND	ND	ND	NA	46	ND	ND	22	ND	ND	ND	ND	22	132
Jun-12 (c)	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	23	ND	ND	ND	ND	10.2	33
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.4	
Jul-13	ND	ND	ND	1.6	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.3	6
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	2.4	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	34.3	37
MW-17D																		
Sep-10	1	4	ND	940	5	NA	NA	7	150	ND	1	26	12	9	ND	1	NA	1,156
Oct-10	ND	ND	ND	1,300	ND	NA	NA	9	190	ND	ND	42	13	10	ND	2	NA	1,566
Jun-11	ND	ND	ND	2,100	ND	NA	NA	ND	290	ND	ND	29	ND	ND	ND	ND	NA	2,419
Nov-11	ND	15	ND	1,900	3	14	ND	NA	270	ND	1	38	14	12	2	3	575	2,847
Jun-12 (c)	ND	ND	ND	1,000	ND	ND	ND	NA	290	ND	ND	ND	ND	ND	ND	ND	618	1,908
Dec-12	ND	41	ND	1,800	4.7	19	ND	NA	470	ND	1.3	36.0	17	11	ND	1.5	669	2,402
Jul-13	1.5	68.4	ND	2,310	6.6	22.3	ND	NA	496	ND	1.3	36.2	17	10.9	ND	2	612.0	3,584
Dec-13 (m)	ND	37	ND	2,100	ND	16.8	ND	NA	326.0	ND	ND	22.6	13.60	7.9	ND	ND	592.0 (l)	3,116
Jun-14 (c)	ND	ND	ND	1,260	ND	ND	ND	NA	143.0	ND	ND	ND	10.20	ND	ND	ND	435.0	1,848
MW-18																		
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	13.6	14
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jul-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.6	5
MW-19																		
Dec-11	ND	ND	ND	8	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	5.9	14
Jun-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.0	4
Dec-12	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	3.6	4
Jul-13	ND	ND	ND	6	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	5.5	12
Dec-13	ND	ND	ND	3.5	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.1	8
Jun-14	ND	ND	ND	3.7	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	6.3	10
MW-20																		
Dec-11	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND		11.9	12
Jun-12	ND	ND	ND	51	ND	ND	ND	NA	8.5	ND	ND	ND	ND	ND	ND	ND	272	332
Dec-12	ND	ND	ND	120	ND	ND	ND	NA	30	ND	ND	ND	3.1	ND	ND	ND	506	659
Jul-13	ND	ND	ND	255	ND	1.5	ND	NA	83.8	ND	ND	ND	6.2	ND	2	ND	845.0	1,194
Dec-13 (g)	ND	ND	ND	333	ND	ND	ND	NA	121.0	ND	ND	ND	7.00	ND	2.5	ND	1,230.0 (i)	1,694
Jun-14 (g)	ND	ND	ND	359	5.6	2.1	ND	NA	173.0	ND	ND	ND	8.80	2.1	3.3	ND	1,010.0 (i)	1,564
MW-21D																		
Jun-12	ND	ND	ND	90	ND	ND	ND	NA	12	ND	ND	8	ND	ND	ND	ND	84.2	194
Dec-12	ND	ND	ND	90	ND	ND	ND	NA	14	ND	ND	5.7	ND	ND	ND	ND	81.8	
Jul-13	ND	ND	ND	102	ND	ND	ND	NA	11.9	ND	ND	5	ND	ND	ND	ND	80.1	199
Dec-13	ND	ND	ND	82.4	ND	ND	ND	NA	10.1	ND	ND	4.1	ND	ND	ND	ND	70.0	167
Jun-14	ND	ND	ND	76.5	ND	ND	ND	NA	8.3	ND	ND	2.8	ND	ND	ND	ND	77.0 (g)	165

Table 2

Summary of Primary COCs Detected in Groundwater Samples
Kop-Flex Facility
Hanover, Maryland (a)

Monitoring Well	Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloroethene	1,1-Dichloroethane	2-Butanone	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	Trichloroethene	1,1,2-Trichloroethane	Tetrachloroethene	1,4- Dioxane	Total VOCs
MW-22D																		
Jun-12	ND	ND	ND	27	ND	ND	ND	NA	ND	ND	ND	8	ND	ND	ND	ND	29	64
Dec-12	ND	ND	ND	38	ND	ND	ND	NA	4.5	ND	ND	10	ND	ND	ND	ND	41	
Jul-13	ND	ND	ND	34.2	ND	ND	ND	NA	2.7	ND	ND	6.5	ND	ND	ND	ND	31.8	75
Dec-13	ND	ND	ND	43.5	ND	ND	ND	NA	3.7	ND	ND	8.4	ND	ND	ND	ND	35.3 (g)	91
Jun-14	ND	ND	ND	44.2	ND	ND	ND	NA	3.5	ND	ND	9.0	ND	ND	ND	ND	39.3	96
MW-23D																		
Jun-12	ND	ND	ND	120	ND	ND	ND	NA	29	ND	ND	36	ND	ND	ND	ND	149	334
Aug-12	ND	ND	ND	130	ND	ND	ND	NA	39	ND	ND	35	2.2	ND	ND	ND	NA	206
Dec-12	ND	ND	ND	110	ND	ND	ND	NA	32	ND	ND	31	2.0	ND	ND	ND	130	305
Jul-13	ND	ND	ND	131	ND	ND	ND	NA	32.7	ND	ND	28.6	2.3	ND	ND	ND	186.0	381
Dec-13	ND	ND	ND	101	ND	ND	ND	NA	25.6	ND	ND	21.3	1.7	ND	ND	ND	165.0 (h)	315
Jun-14	ND	ND	ND	101	ND	ND	ND	NA	29.1	ND	ND	24.7	2.3	ND	ND	ND	132.0 (g)	289
MW-24D																		
Jun-12 (c)	ND	ND	ND	1,300	ND	ND	ND	NA	ND	ND	ND	53	ND	ND	ND	ND	342	1,695
Aug-12	ND	ND	ND	1,600	ND	6	ND	NA	72	ND	ND	60	13	13	1.5	1.7	NA	1,767
Dec-12	ND	ND	ND	1,500	ND	6.7	ND	NA	61	ND	1.3	62	12	16	1.5	1.8	393	2,055
Jul-13	ND	ND	ND	1,520	ND	6.2	1.1	NA	57.7	ND	1.2	48.7	10.8	12.4	1.3	1.4	470.0	2,131
Dec-13 (c)	ND	ND	ND	1,190	ND	ND	ND	NA	47.4	ND	ND	34.1	ND	10.1	ND	ND	433.0	1,715
Jun-14 (c)	ND	ND	ND	1,510	ND	ND	ND	NA	57.3	ND	ND	43.4	11.3	14.2	ND	ND	488.0	2,124
MW-26D																		
Mar-13	ND	ND	ND	98.2	ND	ND	ND	NA	12.4	ND	ND	6.3	ND	ND	ND	ND	118.0	235
Jul-13	ND	ND	ND	120	ND	ND	ND	NA	13.5	ND	ND	6.6	ND	ND	ND	ND	99.2	239
Dec-13	ND	ND	ND	51.5	ND	ND	ND	NA	6.9	ND	ND	2.7	ND	ND	ND	ND	60.7	122
Jun-14	ND	ND	ND	42.4	ND	ND	ND	NA	5.2	ND	ND	1.8	ND	ND	ND	ND	39.8	89
MW-27D (b)																		
Sep-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.1	ND	0.17 J	ND	ND	ND	0.9 J	3
Dec-13	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-38																		
Jun-14	ND	ND	ND	ND	ND	ND	ND	NA	9.5	ND	ND	ND	ND	ND	ND	ND	51.8	61
MW-39																		
Jun-14	ND	ND	ND	3.2	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	6.3	10

a/ all samples measured in ppb (ug/L);
e = as estimated below the reporting limit;
E = result exceeds calibration range
ND = not detected; NA = Not analyzed
b/Well ID changed from MW-25D to MW-27D due to conflict with offsite location
c/ sample run at a 10x dilution
d/ sample run at 50x dilution
f/sample run at a 250x dilution
g/sample run at a 2x dilution
h/sample run at a 5x dilution
i/sample run at a 25x dilution
k/sample run at 200x dilution
l/sample run at 20x dilution
m/sample run at 4x dilution
n/sample run at 2.5x dilution

Attachment A – Laboratory Report for TW-2 Groundwater Profiling Samples

Analytical Report for

WSP Environment & Energy - Reston

Certificate of Analysis No.: 14041020

Project Manager: Eric Johnson

Project Name : Kop-Flex

Project Location: Hanover, MD

Project ID : 3705

April 17, 2014

Phase Separation Science, Inc.

6630 Baltimore National Pike
Baltimore, MD 21228
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PHASE SEPARATION SCIENCE, INC.

April 17, 2014

Eric Johnson
WSP Environment & Energy - Reston
11190 Sunrise Valley Dr., Ste. 300
Reston, VA 20191

Reference: PSS Work Order(s) No: **14041020**
Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID.: 3705

Dear Eric Johnson :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **14041020**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on May 15, 2014. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: WSP Environment & Energy - Reston

Project Name: Kop-Flex

Work Order Number(s): 14041020

Project ID: 3705

The following samples were received under chain of custody by Phase Separation Science (PSS) on 04/10/2014 at 02:20 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
14041020-001	TW-2 111'	WATER	04/07/14 14:39
14041020-002	TW-2 121'	WATER	04/08/14 09:49
14041020-003	TW-2 131'	WATER	04/08/14 12:15
14041020-004	TW-2 141'	WATER	04/08/14 14:55
14041020-005	TW-2 151'	WATER	04/08/14 16:48
14041020-006	TW-2 161'	WATER	04/08/14 19:24
14041020-007	Trip Blank	WATER	04/10/14 14:20

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].

Standard Flags/Abbreviations:

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBA MWAA LD1997-0041-2015

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 111' **Date/Time Sampled: 04/07/2014 14:39** **PSS Sample ID: 14041020-001**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Acetone	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 15:08	1011
1,1-Dichloroethene	**270**	ug/L	10		10	04/15/14	04/16/14 13:59	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,1-Dichloroethane	**71**	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Chloroform	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,1,1-Trichloroethane	**54**	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,2-Dichloroethane	**3.7**	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
Trichloroethene	**1.3**	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 15:08	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 111' **Date/Time Sampled: 04/07/2014 14:39** **PSS Sample ID: 14041020-001**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 15:08	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 15:08	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 15:08	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:08	1011

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CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 121' **Date/Time Sampled: 04/08/2014 09:49** **PSS Sample ID: 14041020-002**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Acetone	**16**	ug/L	10		1	04/15/14	04/15/14 15:38	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 15:38	1011
1,1-Dichloroethene	**10**	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Chloroform	**1.6**	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
Trichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 15:38	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 121' **Date/Time Sampled: 04/08/2014 09:49** **PSS Sample ID: 14041020-002**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 15:38	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 15:38	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 15:38	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 15:38	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 131' **Date/Time Sampled: 04/08/2014 12:15** **PSS Sample ID: 14041020-003**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Acetone	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 16:07	1011
1,1-Dichloroethene	**350**	ug/L	10		10	04/15/14	04/16/14 14:29	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,1-Dichloroethane	**40**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
cis-1,2-Dichloroethene	**2.3**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Chloroform	**1.0**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,1,1-Trichloroethane	**8.0**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,2-Dichloroethane	**4.0**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
Trichloroethene	**3.2**	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 16:07	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 131' **Date/Time Sampled: 04/08/2014 12:15** **PSS Sample ID: 14041020-003**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 16:07	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 16:07	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 16:07	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:07	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 141' **Date/Time Sampled: 04/08/2014 14:55** **PSS Sample ID: 14041020-004**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

pH=3

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Acetone	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 16:36	1011
1,1-Dichloroethene	**170**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,1-Dichloroethane	**17**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Chloroform	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,1,1-Trichloroethane	**5.4**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,2-Dichloroethane	**3.0**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
Trichloroethene	**1.3**	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 16:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 141' **Date/Time Sampled: 04/08/2014 14:55** **PSS Sample ID: 14041020-004**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

pH=3

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 16:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 16:36	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 16:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 16:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 151' **Date/Time Sampled: 04/08/2014 16:48** **PSS Sample ID: 14041020-005**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Acetone	**10**	ug/L	10		1	04/15/14	04/15/14 17:06	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 17:06	1011
1,1-Dichloroethene	**5.3**	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,1-Dichloroethane	**1.2**	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Chloroform	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
Trichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 17:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 151' **Date/Time Sampled: 04/08/2014 16:48** **PSS Sample ID: 14041020-005**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Toluene	**2.0**	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 17:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 17:06	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 17:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 161' **Date/Time Sampled: 04/08/2014 19:24** **PSS Sample ID: 14041020-006**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Acetone	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 17:36	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Chloroform	**2.0**	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
Trichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 17:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: TW-2 161' **Date/Time Sampled: 04/08/2014 19:24** **PSS Sample ID: 14041020-006**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 17:36	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 17:36	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 17:36	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 17:36	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: Trip Blank **Date/Time Sampled: 04/10/2014 14:20** **PSS Sample ID: 14041020-007**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Dichlorodifluoromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Chloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Vinyl Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Bromomethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Chloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Acetone	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
Cyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
Trichlorofluoromethane	ND	ug/L	5.0		1	04/15/14	04/15/14 18:06	1011
1,1-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Methylene Chloride	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
trans-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Methyl-t-butyl ether	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,1-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
2-Butanone (MEK)	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
cis-1,2-Dichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Bromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Chloroform	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,1,1-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,2-Dichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Carbon Tetrachloride	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Benzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,2-Dichloropropane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Methyl Acetate	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
Methylcyclohexane	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
Trichloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Carbon Disulfide	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
Bromodichloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
cis-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
4-Methyl-2-Pentanone	ND	ug/L	5.0		1	04/15/14	04/15/14 18:06	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 14041020

WSP Environment & Energy - Reston, Reston, VA

April 17, 2014

Project Name: Kop-Flex
Project Location: Hanover, MD
Project ID: 3705

Sample ID: Trip Blank **Date/Time Sampled: 04/10/2014 14:20** **PSS Sample ID: 14041020-007**
Matrix: WATER **Date/Time Received: 04/10/2014 14:20**

TCL Volatile Organic Compounds — Analytical Method: SW-846 8260 B — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
trans-1,3-Dichloropropene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,1,2-Trichloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Toluene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
2-Hexanone	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
1,2-Dibromoethane (EDB)	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Dibromochloromethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Bromoform	ND	ug/L	5.0		1	04/15/14	04/15/14 18:06	1011
Tetrachloroethene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Chlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Ethylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
m,p-Xylenes	ND	ug/L	2.0		1	04/15/14	04/15/14 18:06	1011
Styrene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
o-Xylene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Isopropylbenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,3-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,4-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,2-Dichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	10		1	04/15/14	04/15/14 18:06	1011
1,2,4-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
Naphthalene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	04/15/14	04/15/14 18:06	1011

Case Narrative Summary

Client Name: WSP Environment & Energy - Reston

Project Name: Kop-Flex

Work Order Number(s): 14041020
Project ID: 3705

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for drinking water and non-potable samples tested for compliance have a maximum holding time of 15 minutes. As such, all laboratory analyses for these analytes exceed holding times.

Sample Receipt:

Sample "TW-2 141" and "TW-2 151" contain headspace in the voa vials.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

Analytical Data Package Information Summary

Work Order(s): 14041020
Report Prepared For: WSP Environment & Energy - Reston, Reston
Project Name: Kop-Flex
Project Manager: Eric Johnson

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
SW-846 8260 B	TW-2 111'	Initial	14041020-001	1011	W	49995	113136	04/07/2014	04/15/2014 13:00	04/15/2014 15:08
	TW-2 121'	Initial	14041020-002	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 15:38
	TW-2 131'	Initial	14041020-003	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 16:07
	TW-2 141'	Initial	14041020-004	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 16:36
	TW-2 151'	Initial	14041020-005	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 17:06
	TW-2 161'	Initial	14041020-006	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 17:36
	Trip Blank	Initial	14041020-007	1011	W	49995	113136	04/10/2014	04/15/2014 13:00	04/15/2014 18:06
	49995-1-BKS	BKS	49995-1-BKS	1011	W	49995	113136	--------	04/15/2014 13:00	04/15/2014 09:34
	49995-1-BLK	BLK	49995-1-BLK	1011	W	49995	113136	--------	04/15/2014 13:00	04/15/2014 12:31
	TW-2 131' S	MS	14041020-003 S	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 18:35
	TW-2 131' S	Reanalysis	14041020-003 S	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 18:35
	TW-2 131' SD	MSD	14041020-003 SD	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 19:05
	TW-2 131' SD	Reanalysis	14041020-003 SD	1011	W	49995	113136	04/08/2014	04/15/2014 13:00	04/15/2014 19:05
	50006-1-BKS	BKS	50006-1-BKS	1011	W	50006	113158	--------	04/16/2014 13:00	04/16/2014 10:32
	50006-1-BLK	BLK	50006-1-BLK	1011	W	50006	113158	--------	04/16/2014 13:00	04/16/2014 13:30
	MW-13 S	MS	14041109-010 S	1011	W	50006	113158	04/03/2014	04/16/2014 13:00	04/16/2014 19:54
	MW-13 SD	MSD	14041109-010 SD	1011	W	50006	113158	04/03/2014	04/16/2014 13:00	04/16/2014 20:23
	TW-2 111'	Reanalysis	14041020-001	1011	W	49995	113158	04/07/2014	04/15/2014 13:00	04/16/2014 13:59
	TW-2 131'	Reanalysis	14041020-003	1011	W	49995	113158	04/08/2014	04/15/2014 13:00	04/16/2014 14:29

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113136 **Sample:** 49995-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 09:34

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.5	50.00	99	84-110	
Toluene-D8	49.3	50.00	99	94-109	
4-Bromofluorobenzene	47.0	50.00	94	81-133	

Lab Batch #: 113136 **Sample:** 49995-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 12:31

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.3	50.00	99	84-110	
Toluene-D8	48.1	50.00	96	94-109	
4-Bromofluorobenzene	49.7	50.00	99	81-133	

Lab Batch #: 113136 **Sample:** 14041020-001 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 15:08

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	51.0	50.00	102	84-110	
Toluene-D8	48.0	50.00	96	94-109	
4-Bromofluorobenzene	51.0	50.00	103	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113136 **Sample:** 14041020-002 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 15:38

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	50.0	50.00	100	84-110	
Toluene-D8	49.0	50.00	98	94-109	
4-Bromofluorobenzene	50.0	50.00	101	81-133	

Lab Batch #: 113136 **Sample:** 14041020-003 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 16:07

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	48.0	50.00	96	94-109	
4-Bromofluorobenzene	51.0	50.00	102	81-133	

Lab Batch #: 113136 **Sample:** 14041020-004 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 16:36

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	48.0	50.00	96	94-109	
4-Bromofluorobenzene	53.0	50.00	106	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113136 **Sample:** 14041020-005 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 17:06

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	49.0	50.00	97	94-109	
4-Bromofluorobenzene	50.0	50.00	99	81-133	

Lab Batch #: 113136 **Sample:** 14041020-006 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 17:36

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	84-110	
Toluene-D8	48.0	50.00	96	94-109	
4-Bromofluorobenzene	50.0	50.00	99	81-133	

Lab Batch #: 113136 **Sample:** 14041020-007 / SMP **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 18:06

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	49.0	50.00	97	94-109	
4-Bromofluorobenzene	50.0	50.00	100	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113136 **Sample:** 14041020-003 S / MS **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 18:35

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.8	50.00	100	84-110	
Toluene-D8	49.1	50.00	98	94-109	
4-Bromofluorobenzene	45.2	50.00	90	81-133	

Lab Batch #: 113136 **Sample:** 14041020-003 SD / MSD **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/15/2014 19:05

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.5	50.00	99	84-110	
Toluene-D8	48.2	50.00	96	94-109	
4-Bromofluorobenzene	49.4	50.00	99	81-133	

Lab Batch #: 113158 **Sample:** 50006-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/16/2014 10:32

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.8	50.00	100	84-110	
Toluene-D8	49.8	50.00	100	94-109	
4-Bromofluorobenzene	47.8	50.00	96	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113158 **Sample:** 50006-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/16/2014 13:30

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.1	50.00	98	84-110	
Toluene-D8	49.4	50.00	99	94-109	
4-Bromofluorobenzene	50.9	50.00	102	81-133	

Lab Batch #: 113158 **Sample:** 14041020-001 / DL **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/16/2014 13:59

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	48.0	50.00	97	84-110	
Toluene-D8	49.0	50.00	98	94-109	
4-Bromofluorobenzene	51.0	50.00	102	81-133	

Lab Batch #: 113158 **Sample:** 14041020-003 / DL **Matrix:** Water

Units: ug/L **Date Analyzed:** 04/16/2014 14:29

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	99	84-110	
Toluene-D8	49.0	50.00	99	94-109	
4-Bromofluorobenzene	51.0	50.00	102	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: Kop-Flex

04/17/2014

Work Order #: 14041020 **Project ID:** 3705

Lab Batch #: 113158 **Sample:** 14041109-010 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 04/16/2014 19:54

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.0	50.00	98	84-110	
Toluene-D8	49.9	50.00	100	94-109	
4-Bromofluorobenzene	47.4	50.00	95	81-133	

Lab Batch #: 113158 **Sample:** 14041109-010 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 04/16/2014 20:23

TCL Volatile Organic Compounds Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Dibromofluoromethane	49.4	50.00	99	84-110	
Toluene-D8	49.4	50.00	99	94-109	
4-Bromofluorobenzene	48.4	50.00	97	81-133	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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6630 Baltimore National Pike
Baltimore, MD 21228

Blank Summary 14041020

WSP Environment & Energy - Reston, Reston, VA

Kop-Flex

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B

Matrix: **WATER**

Sample Id: **49995-1-BLK** Lab Sample Id: **49995-1-BLK**

Date Analyzed: Apr-15-14 12:31 Analyst: 1011 Date Prep: Apr-15-14 13:00 Tech: 1011

Seq Number: 113136

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	ND	1.000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	1.000	0.5000	ug/L	U	1
Bromomethane	74-83-9	ND	1.000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	1.000	0.5000	ug/L	U	1
Acetone	67-64-1	ND	10.00	5.000	ug/L	U	1
Cyclohexane	110-82-7	ND	10.00	5.000	ug/L	U	1
Trichlorofluoromethane	75-69-4	ND	5.000	2.500	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	1.000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	1.000	0.5000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	1.000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	1.000	0.5000	ug/L	U	1
2-Butanone (MEK)	78-93-3	ND	10.00	5.000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	1.000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	1.000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	1.000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	1.000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	1.000	0.5000	ug/L	U	1
Benzene	71-43-2	ND	1.000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	1.000	0.5000	ug/L	U	1
Methyl Acetate	79-20-9	ND	10.00	5.000	ug/L	U	1
Methylcyclohexane	108-87-2	ND	10.00	5.000	ug/L	U	1
Trichloroethene	79-01-6	ND	1.000	0.5000	ug/L	U	1
Carbon Disulfide	75-15-0	ND	10.00	5.000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	1.000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	1.000	0.5000	ug/L	U	1
4-Methyl-2-Pentanone	108-10-1	ND	5.000	2.500	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	ND	1.000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	1.000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	1.000	0.5000	ug/L	U	1
2-Hexanone	591-78-6	ND	10.00	5.000	ug/L	U	1
1,2-Dibromoethane (EDB)	106-93-4	ND	1.000	0.5000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	1.000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	2.500	ug/L	U	1
Tetrachloroethene	127-18-4	ND	1.000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	1.000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	1.000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	2.000	1.000	ug/L	U	1

Blank Summary 14041020

WSP Environment & Energy - Reston, Reston, VA

Kop-Flex

Analytical Method: **SW-846 8260 B** Prep Method: SW5030B

Matrix: **WATER**

Sample Id: **49995-1-BLK** Lab Sample Id: **49995-1-BLK**

Date Analyzed: Apr-15-14 12:31 Analyst: 1011 Date Prep: Apr-15-14 13:00 Tech: 1011

Seq Number: 113136

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	1.000	0.5000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	1.000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	1.000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	1.000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	1.000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	1.000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	10.00	5.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	1.000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	1.000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	0.5000	ug/L	U	1

Sample Id: **50006-1-BLK** Lab Sample Id: **50006-1-BLK**

Date Analyzed: Apr-16-14 13:30 Analyst: 1011 Date Prep: Apr-16-14 13:00 Tech: 1011

Seq Number: 113158

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
1,1-Dichloroethene	75-35-4	ND	1.000	0.5000	ug/L	U	1

Blank Spike Recovery

Project Name: Kop-Flex

Work Order #: 14041020 **Project ID:** 3705

Prep Batch #: 49995 **Date Prepared:** 04/15/2014 13:00 **Sample ID:** 49995-1-BKS **Matrix:** Water

Lab Batch ID: 113136 **Date Analyzed:** 04/15/2014 12:31 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dichlorodifluoromethane	<1.000	50.00	60.11	120	54-139		39-153
Chloromethane	<1.000	50.00	59.75	120	62-131		51-142
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.000	50.00	56.58	113	56-126		45-138
Vinyl Chloride	<1.000	50.00	60.55	121	64-132		52-144
Bromomethane	<1.000	50.00	66.01	132	40-147		22-165
Chloroethane	<1.000	50.00	57.31	115	59-132		47-144
Acetone	<10.00	50.00	55.00	110	53-146		37-162
Cyclohexane	<10.00	50.00	52.52	105	46-150		29-167
Trichlorofluoromethane	<5.000	50.00	53.65	107	45-130		31-145
1,1-Dichloroethene	<1.000	50.00	54.46	109	59-123		48-134
Methylene Chloride	<1.000	50.00	59.05	118	61-126		50-137
trans-1,2-Dichloroethene	<1.000	50.00	64.24	128	58-134		45-147
Methyl-t-butyl ether	<1.000	50.00	68.31	137	30-168		7-190
1,1-Dichloroethane	<1.000	50.00	58.99	118	51-136		37-150
2-Butanone (MEK)	<10.00	50.00	39.00	78	56-133		44-146
cis-1,2-Dichloroethene	<1.000	50.00	55.47	111	77-119		70-126
Bromochloromethane	<1.000	50.00	54.55	109	71-122		63-130
Chloroform	<1.000	50.00	51.56	103	71-118		63-126
1,1,1-Trichloroethane	<1.000	50.00	54.19	108	66-133		55-144
1,2-Dichloroethane	<1.000	50.00	53.38	107	64-130		53-140
Carbon Tetrachloride	<1.000	50.00	64.51	129	74-127	H	65-136
Benzene	<1.000	50.00	52.66	105	77-122		70-130
1,2-Dichloropropane	<1.000	50.00	53.78	108	75-125		67-134
Methyl Acetate	<10.00	50.00	60.67	121	47-145		31-161
Methylcyclohexane	<10.00	50.00	60.03	120	61-155		46-170
Trichloroethene	<1.000	50.00	56.43	113	72-127		63-137
Carbon Disulfide	<10.00	50.00	61.30	123	62-134		50-146
Bromodichloromethane	<1.000	50.00	52.45	105	76-122		69-129
cis-1,3-Dichloropropene	<1.000	50.00	51.04	102	74-123		66-131
4-Methyl-2-Pentanone	<5.000	50.00	41.45	83	45-145		28-162
trans-1,3-Dichloropropene	<1.000	50.00	49.66	99	73-116		66-123
1,1,2-Trichloroethane	<1.000	50.00	54.26	109	72-128		62-138
Toluene	<1.000	50.00	55.26	111	77-123		70-130
2-Hexanone	<10.00	50.00	35.01	70	56-134		43-147
1,2-Dibromoethane (EDB)	<1.000	50.00	54.62	109	78-121		71-128

Blank Spike Recovery [D] = 100*(([C])/[B])

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

Blank Spike Recovery

Project Name: Kop-Flex

Work Order #: 14041020 **Project ID:** 3705

Prep Batch #: 49995 **Date Prepared:** 04/15/2014 13:00 **Sample ID:** 49995-1-BKS **Matrix:** Water

Lab Batch ID: 113136 **Date Analyzed:** 04/15/2014 12:31 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
Dibromochloromethane	<1.000	50.00	53.12	106	75-114		69-120
Bromoform	<5.000	50.00	53.21	106	69-115		61-123
Tetrachloroethene	<1.000	50.00	51.93	104	78-113		72-119
Chlorobenzene	<1.000	50.00	55.99	112	76-116		69-122
Ethylbenzene	<1.000	50.00	59.31	119	79-122		72-130
m,p-Xylenes	<2.000	100	118.1	118	78-119		72-125
Styrene	<1.000	50.00	51.07	102	73-118		65-126
1,1,2,2-Tetrachloroethane	<1.000	50.00	53.69	107	71-126		62-136
o-Xylene	<1.000	50.00	59.07	118	79-123		72-131
Isopropylbenzene	<1.000	50.00	58.09	116	80-128		72-136
1,3-Dichlorobenzene	<1.000	50.00	54.80	110	80-122		73-129
1,4-Dichlorobenzene	<1.000	50.00	54.32	109	77-118		70-125
1,2-Dichlorobenzene	<1.000	50.00	54.55	109	80-122		72-130
1,2-Dibromo-3-Chloropropane	<10.00	50.00	46.47	93	59-135		47-147
1,2,4-Trichlorobenzene	<1.000	50.00	53.38	107	72-143		61-155
Naphthalene	<1.000	50.00	52.14	104	46-154		28-172
1,2,3-Trichlorobenzene	<1.000	50.00	51.11	102	66-140		54-153

Prep Batch #: 50006 **Date Prepared:** 04/16/2014 13:00 **Sample ID:** 50006-1-BKS **Matrix:** Water

Lab Batch ID: 113158 **Date Analyzed:** 04/16/2014 13:30 **Analyst:** 1011

Reporting Units: ug/L

BLANK /BLANK SPIKE RECOVERY STUDY

TCL Volatile Organic Compounds Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags	Marginal Exceedance Limits
1,1-Dichloroethene	<1.000	50.00	52.79	106	59-123		48-134

Blank Spike Recovery [D] = 100*(([C])/[B])

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

CHAIN OF CUSTODY RECORD

14041020

Project Number:	Site and Location:
3705	Kop-Flex Hanover, MD
Contact Name: Eric Johnson	**Contact Email:** eric.johnson@wspgroup.com
Sampler's Name: E. Johnson, P. Zavella	**Sampler's Signature:**

Matrices: S = Soil; Aq = Water; A = Air: Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

	Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (EPA 8260B)									Remarks
1	TW-2 111'	111'	4-7-14	1439	AQ	3	X									
2	TW-2 121'	121'	4-8-14	0949	AQ	3	X									
3	TW-2 131'	131'	4-8-14	1215	AQ	3	X									
4	TW-2 141'	141'	4-8-14	1455	AQ	3	X									
5	TW-2 151'	151'	4-8-14	1648	AQ	3	X									
6	TW-2 161'	161'	4-8-14	1924	AQ	3	X									
7	Trip Blank	-	-	-	AQ	2	X									

# of Coolers: 1
Custody Seals Present: ABS
Shipping Carrier: FedEx
Temp 4°C
TE

Relinquished by (Signature):	9/6 1800 Date | Time	Received by (Signature): Sam Carter, #2035	Laboratory Name: Phase Separation Science
Relinquished by (Signature): Sam Carter, #2035	9/8/14 2:20P Date | Time	Received by (Signature):	Laboratory Location: Baltimore, MD
Turn-Around Time: Standard		Tracking Number: N/A	Custody Seal Numbers:
			Method of Shipment: Lab Courier

WSP
WSP ~~Environment & Energy~~
USA Corp

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	14041020	**Received By**	Lynn Jackson
Client Name	WSP Environment & Energy - Restor	**Date Received**	04/10/2014 02:20:00 PM
Project Name	Kop-Flex	**Delivered By**	Trans Time Express
Project Number	3705	**Tracking No**	Not Applicable
Disposal Date	05/15/2014	**Logged In By**	Lynn Jackson

Shipping Container(s)

No. of Coolers 1

		Ice	Present
Custody Seal(s) Intact?	N/A	Temp (deg C)	4
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No

Documentation

		Sampler Name	Eric Johnson
COC agrees with sample labels?	Yes	MD DW Cert. No.	N/A
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received 7

Total No. of Containers Received 20

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		No
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Sample "TW-2 141" and "TW-2 151" contain headspace in the voa vials.

Samples Inspected/Checklist Completed By: N L Jackson — Lynn Jackson — Date: 04/10/2014

PM Review and Approval: — Simon Crisp — Date: 04/11/2014

Attachment B – Laboratory Reports for June 2014 Monitoring Well Samples

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 13, 2014

Keith Green
WSP Environmental Strategies
11190 Sunrise Valley Dr
Suite 300
Reston, VA 20191

RE: Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Dear Keith Green:
Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Mr. James Edwards, WSP Environmental Strategies

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92203908001	**MW-25D**	Water	06/02/14 09:26	06/04/14 09:40
92203908002	**MW-23D**	Water	06/02/14 10:40	06/04/14 09:40
92203908003	**MW-22D**	Water	06/02/14 12:00	06/04/14 09:40
92203908004	**MW-19**	Water	06/02/14 12:10	06/04/14 09:40
92203908005	**MW-03**	Water	06/02/14 14:40	06/04/14 09:40
92203908006	**MW-24D**	Water	06/02/14 15:30	06/04/14 09:40
92203908007	**MW-05**	Water	06/02/14 15:55	06/04/14 09:40
92203908008	**MW-21D**	Water	06/02/14 16:50	06/04/14 09:40
92203908009	**MW-06**	Water	06/02/14 17:00	06/04/14 09:40
92203908010	**MW-07**	Water	06/03/14 08:10	06/04/14 09:40
92203908011	**MW-09**	Water	06/03/14 09:00	06/04/14 09:40
92203908012	**MW-12**	Water	06/03/14 09:10	06/04/14 09:40
92203908013	**MW-101**	Water	06/03/14 08:45	06/04/14 09:40
92203908014	**MW-10**	Water	06/03/14 10:10	06/04/14 09:40
92203908015	**MW-11**	Water	06/03/14 10:30	06/04/14 09:40
92203908016	**MW-04**	Water	06/03/14 11:40	06/04/14 09:40
92203908017	**MW-01**	Water	06/03/14 12:32	06/04/14 09:40
92203908018	**MW-1D**	Water	06/03/14 12:40	06/04/14 09:40
92203908019	**MW-16D**	Water	06/03/14 15:50	06/04/14 09:40
92203908020	**MW-20**	Water	06/03/14 16:25	06/04/14 09:40
92203908021	**TRIP BLANK**	Water	06/03/14 00:00	06/04/14 09:40

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92203908001	**MW-25D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908002	**MW-23D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908003	**MW-22D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908004	**MW-19**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908005	**MW-03**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908006	**MW-24D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908007	**MW-05**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908008	**MW-21D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908009	**MW-06**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908010	**MW-07**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908011	**MW-09**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908012	**MW-12**	EPA 8260	GAW, MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908013	**MW-101**	EPA 8260	GAW, MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908014	**MW-10**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908015	**MW-11**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908016	**MW-04**	EPA 8260	GAW, MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908017	**MW-01**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908018	**MW-1D**	EPA 8260	GAW	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908019	**MW-16D**	EPA 8260	MCK	64	PASI-C

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SAMPLE ANALYTE COUNT

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260B Mod.	DLK	3	PASI-C
92203908020	**MW-20**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92203908021	**TRIP BLANK**	EPA 8260	GAW	64	PASI-C

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-25D **Lab ID: 92203908001** Collected: 06/02/14 09:26 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 21:12	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 21:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 21:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 21:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 21:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 21:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 21:12	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 21:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 21:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 21:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 21:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 21:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 21:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 21:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/04/14 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 21:12	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 21:12	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 21:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 21:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 21:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 21:12	108-10-1	
Methyl-tert-butyl ether	**1.6**	ug/L	1.0	1		06/04/14 21:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 21:12	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:12	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-25D **Lab ID: 92203908001** Collected: 06/02/14 09:26 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 21:12	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 21:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 21:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 21:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 21:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 21:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 21:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 21:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 21:12	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/04/14 21:12	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 21:12	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		06/05/14 14:31	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	50-150	1		06/05/14 14:31	17060-07-0	
Toluene-d8 (S)	100	%	50-150	1		06/05/14 14:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-23D **Lab ID: 92203908002** Collected: 06/02/14 10:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 21:29	67-64-1	
Benzene	**1.2**	ug/L	1.0	1		06/04/14 21:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 21:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 21:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 21:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 21:29	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 21:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 21:29	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 21:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 21:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 21:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 21:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 21:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 21:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 21:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 21:29	75-71-8	
1,1-Dichloroethane	**29.1**	ug/L	1.0	1		06/04/14 21:29	75-34-3	
1,2-Dichloroethane	**2.3**	ug/L	1.0	1		06/04/14 21:29	107-06-2	
1,1-Dichloroethene	**101**	ug/L	1.0	1		06/04/14 21:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:29	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 21:29	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 21:29	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 21:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 21:29	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 21:29	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 21:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 21:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 21:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 21:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 21:29	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 21:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:29	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-23D **Lab ID: 92203908002** Collected: 06/02/14 10:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 21:29	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 21:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:29	120-82-1	
1,1,1-Trichloroethane	**24.7**	ug/L	1.0	1		06/04/14 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 21:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 21:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 21:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 21:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 21:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 21:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 21:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 21:29	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 21:29	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/04/14 21:29	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 21:29	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**132**	ug/L	4.0	2		06/05/14 15:13	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	2		06/05/14 15:13	17060-07-0	
Toluene-d8 (S)	99	%	50-150	2		06/05/14 15:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-22D **Lab ID: 92203908003** Collected: 06/02/14 12:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 21:45	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 21:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 21:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 21:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 21:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 21:45	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 21:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 21:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 21:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 21:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 21:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 21:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 21:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 21:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 21:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 21:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 21:45	75-71-8	
1,1-Dichloroethane	**3.5**	ug/L	1.0	1		06/04/14 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 21:45	107-06-2	
1,1-Dichloroethene	**44.2**	ug/L	1.0	1		06/04/14 21:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 21:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 21:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 21:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 21:45	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 21:45	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 21:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 21:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 21:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 21:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 21:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 21:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 21:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 21:45	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 21:45	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-22D **Lab ID: 92203908003** Collected: 06/02/14 12:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 21:45	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 21:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 21:45	120-82-1	
1,1,1-Trichloroethane	**9.0**	ug/L	1.0	1		06/04/14 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 21:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 21:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 21:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 21:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 21:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 21:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 21:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 21:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 21:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/04/14 21:45	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		06/04/14 21:45	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 21:45	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**39.3**	ug/L	2.0	1		06/05/14 15:33	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	50-150	1		06/05/14 15:33	17060-07-0	
Toluene-d8 (S)	99	%	50-150	1		06/05/14 15:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-19 **Lab ID: 92203908004** Collected: 06/02/14 12:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 22:01	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 22:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 22:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 22:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 22:01	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 22:01	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 22:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 22:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 22:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 22:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 22:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 22:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 22:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 22:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 22:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 22:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 22:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/04/14 22:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 22:01	107-06-2	
1,1-Dichloroethene	**3.7**	ug/L	1.0	1		06/04/14 22:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 22:01	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 22:01	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 22:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 22:01	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 22:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 22:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 22:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 22:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 22:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 22:01	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 22:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:01	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-19 **Lab ID: 92203908004** Collected: 06/02/14 12:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 22:01	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 22:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 22:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 22:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 22:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 22:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 22:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 22:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 22:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 22:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 22:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 22:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 22:01	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		06/04/14 22:01	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		06/04/14 22:01	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**6.3**	ug/L	2.0	1		06/05/14 16:14	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	50-150	1		06/05/14 16:14	17060-07-0	
Toluene-d8 (S)	99	%	50-150	1		06/05/14 16:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-03 **Lab ID: 92203908005** Collected: 06/02/14 14:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 22:18	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 22:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 22:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 22:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 22:18	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 22:18	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 22:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 22:18	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 22:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 22:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 22:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 22:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 22:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 22:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 22:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 22:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 22:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/04/14 22:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 22:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:18	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 22:18	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 22:18	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 22:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 22:18	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 22:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 22:18	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 22:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 22:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 22:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 22:18	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 22:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-03 **Lab ID: 92203908005** Collected: 06/02/14 14:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 22:18	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 22:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 22:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 22:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 22:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 22:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 22:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 22:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 22:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 22:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 22:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 22:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/04/14 22:18	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/04/14 22:18	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 22:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		06/05/14 16:35	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		06/05/14 16:35	17060-07-0	
Toluene-d8 (S)	99	%	50-150	1		06/05/14 16:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-24D **Lab ID: 92203908006** Collected: 06/02/14 15:30 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	250	10		06/04/14 22:35	67-64-1	
Benzene	ND	ug/L	10.0	10		06/04/14 22:35	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		06/04/14 22:35	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		06/04/14 22:35	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		06/04/14 22:35	75-27-4	
Bromoform	ND	ug/L	10.0	10		06/04/14 22:35	75-25-2	
Bromomethane	ND	ug/L	20.0	10		06/04/14 22:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	10		06/04/14 22:35	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	10		06/04/14 22:35	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	108-90-7	
Chloroethane	ND	ug/L	10.0	10		06/04/14 22:35	75-00-3	
Chloroform	ND	ug/L	10.0	10		06/04/14 22:35	67-66-3	
Chloromethane	ND	ug/L	10.0	10		06/04/14 22:35	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		06/04/14 22:35	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		06/04/14 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	10		06/04/14 22:35	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		06/04/14 22:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		06/04/14 22:35	106-93-4	
Dibromomethane	ND	ug/L	10.0	10		06/04/14 22:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		06/04/14 22:35	75-71-8	
1,1-Dichloroethane	**57.3**	ug/L	10.0	10		06/04/14 22:35	75-34-3	
1,2-Dichloroethane	**11.3**	ug/L	10.0	10		06/04/14 22:35	107-06-2	
1,1-Dichloroethene	**1510**	ug/L	10.0	10		06/04/14 22:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		06/04/14 22:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		06/04/14 22:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	10		06/04/14 22:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		06/04/14 22:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	10		06/04/14 22:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		06/04/14 22:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	10		06/04/14 22:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	10		06/04/14 22:35	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	10		06/04/14 22:35	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	10		06/04/14 22:35	123-91-1	
Ethylbenzene	ND	ug/L	10.0	10		06/04/14 22:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		06/04/14 22:35	87-68-3	
2-Hexanone	ND	ug/L	50.0	10		06/04/14 22:35	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	10		06/04/14 22:35	99-87-6	
Methylene Chloride	ND	ug/L	20.0	10		06/04/14 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		06/04/14 22:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		06/04/14 22:35	1634-04-4	
Naphthalene	ND	ug/L	10.0	10		06/04/14 22:35	91-20-3	
Styrene	ND	ug/L	10.0	10		06/04/14 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		06/04/14 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		06/04/14 22:35	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-24D **Lab ID: 92203908006** Collected: 06/02/14 15:30 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	10.0	10		06/04/14 22:35	127-18-4	
Toluene	ND	ug/L	10.0	10		06/04/14 22:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		06/04/14 22:35	120-82-1	
1,1,1-Trichloroethane	**43.4**	ug/L	10.0	10		06/04/14 22:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		06/04/14 22:35	79-00-5	
Trichloroethene	**14.2**	ug/L	10.0	10		06/04/14 22:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		06/04/14 22:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	10		06/04/14 22:35	96-18-4	
Vinyl acetate	ND	ug/L	20.0	10		06/04/14 22:35	108-05-4	
Vinyl chloride	ND	ug/L	10.0	10		06/04/14 22:35	75-01-4	
Xylene (Total)	ND	ug/L	20.0	10		06/04/14 22:35	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		06/04/14 22:35	179601-23-1	
o-Xylene	ND	ug/L	10.0	10		06/04/14 22:35	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	10		06/04/14 22:35	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	10		06/04/14 22:35	17060-07-0	
Toluene-d8 (S)	97	%	70-130	10		06/04/14 22:35	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**488**	ug/L	20.0	10		06/05/14 16:55	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	50-150	10		06/05/14 16:55	17060-07-0	
Toluene-d8 (S)	98	%	50-150	10		06/05/14 16:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-05 **Lab ID: 92203908007** Collected: 06/02/14 15:55 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 22:51	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 22:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 22:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 22:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 22:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 22:51	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 22:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 22:51	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 22:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 22:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 22:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 22:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 22:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 22:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 22:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 22:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 22:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 22:51	75-71-8	
1,1-Dichloroethane	**3.0**	ug/L	1.0	1		06/04/14 22:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 22:51	107-06-2	
1,1-Dichloroethene	**1.9**	ug/L	1.0	1		06/04/14 22:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 22:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 22:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 22:51	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 22:51	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 22:51	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 22:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 22:51	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 22:51	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 22:51	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 22:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 22:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 22:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 22:51	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 22:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 22:51	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-05 **Lab ID: 92203908007** Collected: 06/02/14 15:55 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 22:51	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 22:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 22:51	120-82-1	
1,1,1-Trichloroethane	**2.5**	ug/L	1.0	1		06/04/14 22:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 22:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 22:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 22:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 22:51	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 22:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 22:51	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 22:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 22:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 22:51	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/04/14 22:51	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		06/04/14 22:51	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 22:51	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**92.3**	ug/L	2.0	1		06/05/14 17:15	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		06/05/14 17:15	17060-07-0	
Toluene-d8 (S)	98	%	50-150	1		06/05/14 17:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-21D **Lab ID: 92203908008** Collected: 06/02/14 16:50 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 23:08	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 23:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 23:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 23:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 23:08	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 23:08	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 23:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 23:08	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 23:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 23:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 23:08	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 23:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 23:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 23:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 23:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 23:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 23:08	75-71-8	
1,1-Dichloroethane	**8.3**	ug/L	1.0	1		06/04/14 23:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 23:08	107-06-2	
1,1-Dichloroethene	**76.5**	ug/L	1.0	1		06/04/14 23:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:08	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 23:08	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 23:08	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 23:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 23:08	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 23:08	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 23:08	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 23:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 23:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 23:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 23:08	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 23:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:08	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-21D **Lab ID: 92203908008** Collected: 06/02/14 16:50 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 23:08	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 23:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:08	120-82-1	
1,1,1-Trichloroethane	**2.8**	ug/L	1.0	1		06/04/14 23:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 23:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 23:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 23:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 23:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 23:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 23:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 23:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 23:08	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/04/14 23:08	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 23:08	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**77.0**	ug/L	4.0	2		06/05/14 17:36	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	50-150	2		06/05/14 17:36	17060-07-0	
Toluene-d8 (S)	98	%	50-150	2		06/05/14 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-06 **Lab ID: 92203908009** Collected: 06/02/14 17:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 23:24	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 23:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 23:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 23:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 23:24	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 23:24	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 23:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 23:24	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 23:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 23:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 23:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 23:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 23:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 23:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 23:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 23:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 23:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/04/14 23:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 23:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:24	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 23:24	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 23:24	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 23:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 23:24	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 23:24	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 23:24	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 23:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 23:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 23:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 23:24	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 23:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:24	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-06 **Lab ID: 92203908009** Collected: 06/02/14 17:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 23:24	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 23:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 23:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 23:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 23:24	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 23:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 23:24	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 23:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 23:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 23:24	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 23:24	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		06/04/14 23:24	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		06/04/14 23:24	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		06/05/14 17:57	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	50-150	1		06/05/14 17:57	17060-07-0	
Toluene-d8 (S)	98	%	50-150	1		06/05/14 17:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-07 **Lab ID: 92203908010** Collected: 06/03/14 08:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 23:41	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 23:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 23:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 23:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 23:41	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 23:41	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 23:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 23:41	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 23:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 23:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 23:41	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 23:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 23:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 23:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 23:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 23:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 23:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/04/14 23:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/04/14 23:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:41	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 23:41	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 23:41	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 23:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 23:41	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 23:41	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 23:41	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 23:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 23:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 23:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 23:41	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 23:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:41	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-07 **Lab ID: 92203908010** Collected: 06/03/14 08:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 23:41	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 23:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 23:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 23:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 23:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 23:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 23:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 23:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 23:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 23:41	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 23:41	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/04/14 23:41	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 23:41	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		06/05/14 18:17	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		06/05/14 18:17	17060-07-0	
Toluene-d8 (S)	98	%	50-150	1		06/05/14 18:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-09 **Lab ID: 92203908011** Collected: 06/03/14 09:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/04/14 23:57	67-64-1	
Benzene	ND	ug/L	1.0	1		06/04/14 23:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/04/14 23:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/04/14 23:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/04/14 23:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/04/14 23:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/04/14 23:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/04/14 23:57	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/04/14 23:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/04/14 23:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/04/14 23:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/04/14 23:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/04/14 23:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/04/14 23:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/04/14 23:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/04/14 23:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/04/14 23:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/04/14 23:57	75-71-8	
1,1-Dichloroethane	**8.5**	ug/L	1.0	1		06/04/14 23:57	75-34-3	
1,2-Dichloroethane	**1.2**	ug/L	1.0	1		06/04/14 23:57	107-06-2	
1,1-Dichloroethene	**193**	ug/L	1.0	1		06/04/14 23:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/04/14 23:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/04/14 23:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/04/14 23:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/04/14 23:57	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/04/14 23:57	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/04/14 23:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/04/14 23:57	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/04/14 23:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/04/14 23:57	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/04/14 23:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/04/14 23:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/04/14 23:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/04/14 23:57	91-20-3	
Styrene	ND	ug/L	1.0	1		06/04/14 23:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/04/14 23:57	79-34-5	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-09 **Lab ID: 92203908011** Collected: 06/03/14 09:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/04/14 23:57	127-18-4	
Toluene	ND	ug/L	1.0	1		06/04/14 23:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/04/14 23:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/04/14 23:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/04/14 23:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/04/14 23:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/04/14 23:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/04/14 23:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/04/14 23:57	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/04/14 23:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/04/14 23:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/04/14 23:57	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/04/14 23:57	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/04/14 23:57	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/04/14 23:57	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**53.9**	ug/L	10.0	5		06/05/14 18:37	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	5		06/05/14 18:37	17060-07-0	
Toluene-d8 (S)	98	%	50-150	5		06/05/14 18:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-12 **Lab ID: 92203908012** Collected: 06/03/14 09:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	250	10		06/05/14 00:14	67-64-1	
Benzene	ND	ug/L	10.0	10		06/05/14 00:14	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		06/05/14 00:14	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		06/05/14 00:14	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		06/05/14 00:14	75-27-4	
Bromoform	ND	ug/L	10.0	10		06/05/14 00:14	75-25-2	
Bromomethane	ND	ug/L	20.0	10		06/05/14 00:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	10		06/05/14 00:14	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	10		06/05/14 00:14	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	108-90-7	
Chloroethane	**83.6**	ug/L	10.0	10		06/05/14 00:14	75-00-3	
Chloroform	ND	ug/L	10.0	10		06/05/14 00:14	67-66-3	
Chloromethane	ND	ug/L	10.0	10		06/05/14 00:14	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		06/05/14 00:14	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		06/05/14 00:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	10		06/05/14 00:14	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		06/05/14 00:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		06/05/14 00:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	10		06/05/14 00:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		06/05/14 00:14	75-71-8	
1,1-Dichloroethane	**1210**	ug/L	10.0	10		06/05/14 00:14	75-34-3	
1,2-Dichloroethane	**43.5**	ug/L	10.0	10		06/05/14 00:14	107-06-2	
1,1-Dichloroethene	**3510**	ug/L	25.0	25		06/08/14 19:32	75-35-4	
cis-1,2-Dichloroethene	**33.2**	ug/L	10.0	10		06/05/14 00:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		06/05/14 00:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	10		06/05/14 00:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		06/05/14 00:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	10		06/05/14 00:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		06/05/14 00:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	10		06/05/14 00:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	10		06/05/14 00:14	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	10		06/05/14 00:14	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	10		06/05/14 00:14	123-91-1	
Ethylbenzene	ND	ug/L	10.0	10		06/05/14 00:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		06/05/14 00:14	87-68-3	
2-Hexanone	ND	ug/L	50.0	10		06/05/14 00:14	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	10		06/05/14 00:14	99-87-6	
Methylene Chloride	ND	ug/L	20.0	10		06/05/14 00:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		06/05/14 00:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		06/05/14 00:14	1634-04-4	
Naphthalene	ND	ug/L	10.0	10		06/05/14 00:14	91-20-3	
Styrene	ND	ug/L	10.0	10		06/05/14 00:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		06/05/14 00:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		06/05/14 00:14	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-12 **Lab ID: 92203908012** Collected: 06/03/14 09:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	10.0	10		06/05/14 00:14	127-18-4	
Toluene	ND	ug/L	10.0	10		06/05/14 00:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		06/05/14 00:14	120-82-1	
1,1,1-Trichloroethane	**125**	ug/L	10.0	10		06/05/14 00:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		06/05/14 00:14	79-00-5	
Trichloroethene	**17.8**	ug/L	10.0	10		06/05/14 00:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		06/05/14 00:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	10		06/05/14 00:14	96-18-4	
Vinyl acetate	ND	ug/L	20.0	10		06/05/14 00:14	108-05-4	
Vinyl chloride	ND	ug/L	10.0	10		06/05/14 00:14	75-01-4	
Xylene (Total)	ND	ug/L	20.0	10		06/05/14 00:14	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		06/05/14 00:14	179601-23-1	
o-Xylene	ND	ug/L	10.0	10		06/05/14 00:14	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	10		06/05/14 00:14	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	10		06/05/14 00:14	17060-07-0	
Toluene-d8 (S)	96	%	70-130	10		06/05/14 00:14	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**182**	ug/L	5.0	2.5		06/05/14 18:58	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	50-150	2.5		06/05/14 18:58	17060-07-0	
Toluene-d8 (S)	98	%	50-150	2.5		06/05/14 18:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-101 **Lab ID: 92203908013** Collected: 06/03/14 08:45 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	4		06/05/14 00:30	67-64-1	
Benzene	ND	ug/L	4.0	4		06/05/14 00:30	71-43-2	
Bromobenzene	ND	ug/L	4.0	4		06/05/14 00:30	108-86-1	
Bromochloromethane	ND	ug/L	4.0	4		06/05/14 00:30	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	4		06/05/14 00:30	75-27-4	
Bromoform	ND	ug/L	4.0	4		06/05/14 00:30	75-25-2	
Bromomethane	ND	ug/L	8.0	4		06/05/14 00:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4		06/05/14 00:30	78-93-3	
Carbon tetrachloride	ND	ug/L	4.0	4		06/05/14 00:30	56-23-5	
Chlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	108-90-7	
Chloroethane	**75.0**	ug/L	4.0	4		06/05/14 00:30	75-00-3	
Chloroform	ND	ug/L	4.0	4		06/05/14 00:30	67-66-3	
Chloromethane	ND	ug/L	4.0	4		06/05/14 00:30	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	4		06/05/14 00:30	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	4		06/05/14 00:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	4		06/05/14 00:30	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	4		06/05/14 00:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	4		06/05/14 00:30	106-93-4	
Dibromomethane	ND	ug/L	4.0	4		06/05/14 00:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	4		06/05/14 00:30	75-71-8	
1,1-Dichloroethane	**1280**	ug/L	25.0	25		06/08/14 19:48	75-34-3	
1,2-Dichloroethane	**41.9**	ug/L	4.0	4		06/05/14 00:30	107-06-2	
1,1-Dichloroethene	**3090**	ug/L	25.0	25		06/08/14 19:48	75-35-4	
cis-1,2-Dichloroethene	**31.9**	ug/L	4.0	4		06/05/14 00:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	4		06/05/14 00:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	4		06/05/14 00:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	4		06/05/14 00:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	4		06/05/14 00:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	4		06/05/14 00:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	4		06/05/14 00:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	4		06/05/14 00:30	10061-02-6	
Diisopropyl ether	ND	ug/L	4.0	4		06/05/14 00:30	108-20-3	
1,4-Dioxane (p-Dioxane)	**1460**	ug/L	600	4		06/05/14 00:30	123-91-1	
Ethylbenzene	ND	ug/L	4.0	4		06/05/14 00:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	4		06/05/14 00:30	87-68-3	
2-Hexanone	ND	ug/L	20.0	4		06/05/14 00:30	591-78-6	
p-Isopropyltoluene	ND	ug/L	4.0	4		06/05/14 00:30	99-87-6	
Methylene Chloride	ND	ug/L	8.0	4		06/05/14 00:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	4		06/05/14 00:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	4		06/05/14 00:30	1634-04-4	
Naphthalene	ND	ug/L	4.0	4		06/05/14 00:30	91-20-3	
Styrene	ND	ug/L	4.0	4		06/05/14 00:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	4.0	4		06/05/14 00:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	4		06/05/14 00:30	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-101 **Lab ID: 92203908013** Collected: 06/03/14 08:45 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	**5.1**	ug/L	4.0	4		06/05/14 00:30	127-18-4	
Toluene	ND	ug/L	4.0	4		06/05/14 00:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	4		06/05/14 00:30	120-82-1	
1,1,1-Trichloroethane	**110**	ug/L	4.0	4		06/05/14 00:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	4		06/05/14 00:30	79-00-5	
Trichloroethene	**16.7**	ug/L	4.0	4		06/05/14 00:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	4		06/05/14 00:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	4		06/05/14 00:30	96-18-4	
Vinyl acetate	ND	ug/L	8.0	4		06/05/14 00:30	108-05-4	
Vinyl chloride	ND	ug/L	4.0	4		06/05/14 00:30	75-01-4	
Xylene (Total)	ND	ug/L	8.0	4		06/05/14 00:30	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	4		06/05/14 00:30	179601-23-1	
o-Xylene	ND	ug/L	4.0	4		06/05/14 00:30	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	4		06/05/14 00:30	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	4		06/05/14 00:30	17060-07-0	
Toluene-d8 (S)	97	%	70-130	4		06/05/14 00:30	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**1570**	ug/L	50.0	25		06/10/14 15:50	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	121	%	50-150	10		06/05/14 19:18	17060-07-0	
Toluene-d8 (S)	98	%	50-150	10		06/05/14 19:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-10 **Lab ID: 92203908014** Collected: 06/03/14 10:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/05/14 00:47	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/14 00:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/05/14 00:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/05/14 00:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/05/14 00:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/05/14 00:47	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/05/14 00:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/05/14 00:47	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/05/14 00:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/05/14 00:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/05/14 00:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/05/14 00:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 00:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 00:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/05/14 00:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/05/14 00:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/05/14 00:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/05/14 00:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/05/14 00:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/05/14 00:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/05/14 00:47	107-06-2	
1,1-Dichloroethene	**2.3**	ug/L	1.0	1		06/05/14 00:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 00:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 00:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 00:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/05/14 00:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 00:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/05/14 00:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 00:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 00:47	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/05/14 00:47	108-20-3	
1,4-Dioxane (p-Dioxane)	**192**	ug/L	150	1		06/05/14 00:47	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/05/14 00:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/05/14 00:47	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/05/14 00:47	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/05/14 00:47	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/05/14 00:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/05/14 00:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/05/14 00:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/05/14 00:47	91-20-3	
Styrene	ND	ug/L	1.0	1		06/05/14 00:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 00:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 00:47	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-10 **Lab ID: 92203908014** Collected: 06/03/14 10:10 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/05/14 00:47	127-18-4	
Toluene	ND	ug/L	1.0	1		06/05/14 00:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 00:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/05/14 00:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/05/14 00:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/05/14 00:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/05/14 00:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/05/14 00:47	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/05/14 00:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/05/14 00:47	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/05/14 00:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/05/14 00:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/05/14 00:47	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/05/14 00:47	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		06/05/14 00:47	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/05/14 00:47	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**13.1**	ug/L	2.0	1		06/05/14 19:38	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	126	%	50-150	1		06/05/14 19:38	17060-07-0	
Toluene-d8 (S)	98	%	50-150	1		06/05/14 19:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-11 **Lab ID: 92203908015** Collected: 06/03/14 10:30 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	4		06/11/14 13:37	67-64-1	
Benzene	ND	ug/L	4.0	4		06/11/14 13:37	71-43-2	
Bromobenzene	ND	ug/L	4.0	4		06/11/14 13:37	108-86-1	
Bromochloromethane	ND	ug/L	4.0	4		06/11/14 13:37	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	4		06/11/14 13:37	75-27-4	
Bromoform	ND	ug/L	4.0	4		06/11/14 13:37	75-25-2	
Bromomethane	ND	ug/L	8.0	4		06/11/14 13:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	4		06/11/14 13:37	78-93-3	
Carbon tetrachloride	ND	ug/L	4.0	4		06/11/14 13:37	56-23-5	
Chlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	108-90-7	
Chloroethane	ND	ug/L	4.0	4		06/11/14 13:37	75-00-3	
Chloroform	ND	ug/L	4.0	4		06/11/14 13:37	67-66-3	
Chloromethane	ND	ug/L	4.0	4		06/11/14 13:37	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	4		06/11/14 13:37	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	4		06/11/14 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	4		06/11/14 13:37	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	4		06/11/14 13:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	4		06/11/14 13:37	106-93-4	
Dibromomethane	ND	ug/L	4.0	4		06/11/14 13:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	4		06/11/14 13:37	75-71-8	
1,1-Dichloroethane	**75.2**	ug/L	4.0	4		06/11/14 13:37	75-34-3	
1,2-Dichloroethane	**4.9**	ug/L	4.0	4		06/11/14 13:37	107-06-2	
1,1-Dichloroethene	**442**	ug/L	4.0	4		06/11/14 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	4.0	4		06/11/14 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	4		06/11/14 13:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	4		06/11/14 13:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	4		06/11/14 13:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	4		06/11/14 13:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	4		06/11/14 13:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	4		06/11/14 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	4		06/11/14 13:37	10061-02-6	
Diisopropyl ether	ND	ug/L	4.0	4		06/11/14 13:37	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	600	4		06/11/14 13:37	123-91-1	
Ethylbenzene	ND	ug/L	4.0	4		06/11/14 13:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	4		06/11/14 13:37	87-68-3	
2-Hexanone	ND	ug/L	20.0	4		06/11/14 13:37	591-78-6	
p-Isopropyltoluene	ND	ug/L	4.0	4		06/11/14 13:37	99-87-6	
Methylene Chloride	**9.0**	ug/L	8.0	4		06/11/14 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	4		06/11/14 13:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	4		06/11/14 13:37	1634-04-4	
Naphthalene	ND	ug/L	4.0	4		06/11/14 13:37	91-20-3	
Styrene	ND	ug/L	4.0	4		06/11/14 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	4.0	4		06/11/14 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	4		06/11/14 13:37	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-11 **Lab ID: 92203908015** Collected: 06/03/14 10:30 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	4.0	4		06/11/14 13:37	127-18-4	
Toluene	ND	ug/L	4.0	4		06/11/14 13:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	4		06/11/14 13:37	120-82-1	
1,1,1-Trichloroethane	**21.7**	ug/L	4.0	4		06/11/14 13:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	4		06/11/14 13:37	79-00-5	
Trichloroethene	ND	ug/L	4.0	4		06/11/14 13:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	4		06/11/14 13:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	4		06/11/14 13:37	96-18-4	
Vinyl acetate	ND	ug/L	8.0	4		06/11/14 13:37	108-05-4	
Vinyl chloride	ND	ug/L	4.0	4		06/11/14 13:37	75-01-4	
Xylene (Total)	ND	ug/L	8.0	4		06/11/14 13:37	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	4		06/11/14 13:37	179601-23-1	
o-Xylene	ND	ug/L	4.0	4		06/11/14 13:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	4		06/11/14 13:37	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	4		06/11/14 13:37	17060-07-0	
Toluene-d8 (S)	96	%	70-130	4		06/11/14 13:37	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**372**	ug/L	20.0	10		06/05/14 19:59	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	10		06/05/14 19:59	17060-07-0	
Toluene-d8 (S)	98	%	50-150	10		06/05/14 19:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-04 **Lab ID: 92203908016** Collected: 06/03/14 11:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/05/14 01:20	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/14 01:20	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/05/14 01:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/05/14 01:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/05/14 01:20	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/05/14 01:20	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/05/14 01:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/05/14 01:20	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/05/14 01:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/05/14 01:20	75-00-3	
Chloroform	**1.3**	ug/L	1.0	1		06/05/14 01:20	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/05/14 01:20	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 01:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 01:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/05/14 01:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/05/14 01:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/05/14 01:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/05/14 01:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/05/14 01:20	75-71-8	
1,1-Dichloroethane	**198**	ug/L	10.0	10		06/08/14 20:04	75-34-3	
1,2-Dichloroethane	**7.2**	ug/L	1.0	1		06/05/14 01:20	107-06-2	
1,1-Dichloroethene	**908**	ug/L	10.0	10		06/08/14 20:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 01:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 01:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:20	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/05/14 01:20	108-20-3	
1,4-Dioxane (p-Dioxane)	**359**	ug/L	150	1		06/05/14 01:20	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/05/14 01:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/05/14 01:20	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/05/14 01:20	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/05/14 01:20	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/05/14 01:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/05/14 01:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/05/14 01:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/05/14 01:20	91-20-3	
Styrene	ND	ug/L	1.0	1		06/05/14 01:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 01:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 01:20	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-04 **Lab ID: 92203908016** Collected: 06/03/14 11:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	**3.2**	ug/L	1.0	1		06/05/14 01:20	127-18-4	
Toluene	ND	ug/L	1.0	1		06/05/14 01:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:20	120-82-1	
1,1,1-Trichloroethane	**104**	ug/L	1.0	1		06/05/14 01:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/05/14 01:20	79-00-5	
Trichloroethene	**8.0**	ug/L	1.0	1		06/05/14 01:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/05/14 01:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/05/14 01:20	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/05/14 01:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/05/14 01:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/05/14 01:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/05/14 01:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/05/14 01:20	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/05/14 01:20	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		06/05/14 01:20	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/05/14 01:20	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**456**	ug/L	10.0	5		06/10/14 16:11	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	50-150	2.5		06/05/14 20:19	17060-07-0	
Toluene-d8 (S)	97	%	50-150	2.5		06/05/14 20:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-01 **Lab ID: 92203908017** Collected: 06/03/14 12:32 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/05/14 01:36	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/14 01:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/05/14 01:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/05/14 01:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/05/14 01:36	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/05/14 01:36	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/05/14 01:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/05/14 01:36	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/05/14 01:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/05/14 01:36	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/05/14 01:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/05/14 01:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 01:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 01:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/05/14 01:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/05/14 01:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/05/14 01:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/05/14 01:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/05/14 01:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/05/14 01:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/05/14 01:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/05/14 01:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 01:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 01:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 01:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 01:36	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/05/14 01:36	108-20-3	
1,4-Dioxane (p-Dioxane)	**245**	ug/L	150	1		06/05/14 01:36	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/05/14 01:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/05/14 01:36	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/05/14 01:36	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/05/14 01:36	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/05/14 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/05/14 01:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/05/14 01:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/05/14 01:36	91-20-3	
Styrene	ND	ug/L	1.0	1		06/05/14 01:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 01:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 01:36	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-01 **Lab ID: 92203908017** Collected: 06/03/14 12:32 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/05/14 01:36	127-18-4	
Toluene	ND	ug/L	1.0	1		06/05/14 01:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 01:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/05/14 01:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/05/14 01:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/05/14 01:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/05/14 01:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/05/14 01:36	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/05/14 01:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/05/14 01:36	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/05/14 01:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/05/14 01:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/05/14 01:36	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/05/14 01:36	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/05/14 01:36	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		06/05/14 01:36	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**11.6**	ug/L	2.0	1		06/05/14 20:40	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	50-150	1		06/05/14 20:40	17060-07-0	
Toluene-d8 (S)	98	%	50-150	1		06/05/14 20:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-1D **Lab ID: 92203908018** Collected: 06/03/14 12:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		06/05/14 01:53	67-64-1	
Benzene	ND	ug/L	2.0	2		06/05/14 01:53	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		06/05/14 01:53	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		06/05/14 01:53	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		06/05/14 01:53	75-27-4	
Bromoform	ND	ug/L	2.0	2		06/05/14 01:53	75-25-2	
Bromomethane	ND	ug/L	4.0	2		06/05/14 01:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	2		06/05/14 01:53	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	2		06/05/14 01:53	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	108-90-7	
Chloroethane	ND	ug/L	2.0	2		06/05/14 01:53	75-00-3	
Chloroform	ND	ug/L	2.0	2		06/05/14 01:53	67-66-3	
Chloromethane	ND	ug/L	2.0	2		06/05/14 01:53	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		06/05/14 01:53	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		06/05/14 01:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	2		06/05/14 01:53	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		06/05/14 01:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		06/05/14 01:53	106-93-4	
Dibromomethane	ND	ug/L	2.0	2		06/05/14 01:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		06/05/14 01:53	75-71-8	
1,1-Dichloroethane	**45.7**	ug/L	2.0	2		06/05/14 01:53	75-34-3	
1,2-Dichloroethane	**4.7**	ug/L	2.0	2		06/05/14 01:53	107-06-2	
1,1-Dichloroethene	**320**	ug/L	2.0	2		06/05/14 01:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		06/05/14 01:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		06/05/14 01:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	2		06/05/14 01:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		06/05/14 01:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	2		06/05/14 01:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		06/05/14 01:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		06/05/14 01:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		06/05/14 01:53	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	2		06/05/14 01:53	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2		06/05/14 01:53	123-91-1	
Ethylbenzene	ND	ug/L	2.0	2		06/05/14 01:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		06/05/14 01:53	87-68-3	
2-Hexanone	ND	ug/L	10.0	2		06/05/14 01:53	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	2		06/05/14 01:53	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2		06/05/14 01:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		06/05/14 01:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		06/05/14 01:53	1634-04-4	
Naphthalene	ND	ug/L	2.0	2		06/05/14 01:53	91-20-3	
Styrene	ND	ug/L	2.0	2		06/05/14 01:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		06/05/14 01:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		06/05/14 01:53	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-1D **Lab ID: 92203908018** Collected: 06/03/14 12:40 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		06/05/14 01:53	127-18-4	
Toluene	ND	ug/L	2.0	2		06/05/14 01:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		06/05/14 01:53	120-82-1	
1,1,1-Trichloroethane	**62.4**	ug/L	2.0	2		06/05/14 01:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		06/05/14 01:53	79-00-5	
Trichloroethene	ND	ug/L	2.0	2		06/05/14 01:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		06/05/14 01:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		06/05/14 01:53	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2		06/05/14 01:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	2		06/05/14 01:53	75-01-4	
Xylene (Total)	ND	ug/L	4.0	2		06/05/14 01:53	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	2		06/05/14 01:53	179601-23-1	
o-Xylene	ND	ug/L	2.0	2		06/05/14 01:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	2		06/05/14 01:53	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	2		06/05/14 01:53	17060-07-0	
Toluene-d8 (S)	96	%	70-130	2		06/05/14 01:53	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**326**	ug/L	20.0	10		06/05/14 21:00	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	50-150	10		06/05/14 21:00	17060-07-0	
Toluene-d8 (S)	97	%	50-150	10		06/05/14 21:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-16D **Lab ID: 92203908019** Collected: 06/03/14 15:50 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 23:18	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 23:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 23:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 23:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 23:18	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 23:18	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 23:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 23:18	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 23:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 23:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 23:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 23:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 23:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 23:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 23:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 23:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 23:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 23:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 23:18	75-71-8	
1,1-Dichloroethane	**57.6**	ug/L	1.0	1		06/12/14 23:18	75-34-3	
1,2-Dichloroethane	**3.5**	ug/L	1.0	1		06/12/14 23:18	107-06-2	
1,1-Dichloroethene	**191**	ug/L	1.0	1		06/12/14 23:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 23:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 23:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:18	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 23:18	108-20-3	
1,4-Dioxane (p-Dioxane)	**202**	ug/L	150	1		06/12/14 23:18	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 23:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 23:18	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 23:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 23:18	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 23:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 23:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 23:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 23:18	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 23:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 23:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 23:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-16D **Lab ID: 92203908019** Collected: 06/03/14 15:50 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 23:18	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 23:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:18	120-82-1	
1,1,1-Trichloroethane	**28.9**	ug/L	1.0	1		06/12/14 23:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 23:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 23:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 23:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 23:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 23:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 23:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 23:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 23:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 23:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	70-130	1		06/12/14 23:18	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		06/12/14 23:18	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 23:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**232**	ug/L	10.0	5		06/05/14 21:20	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	119	%	50-150	5		06/05/14 21:20	17060-07-0	
Toluene-d8 (S)	98	%	50-150	5		06/05/14 21:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-20 **Lab ID: 92203908020** Collected: 06/03/14 16:25 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		06/11/14 13:54	67-64-1	
Benzene	ND	ug/L	2.0	2		06/11/14 13:54	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		06/11/14 13:54	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		06/11/14 13:54	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		06/11/14 13:54	75-27-4	
Bromoform	ND	ug/L	2.0	2		06/11/14 13:54	75-25-2	
Bromomethane	ND	ug/L	4.0	2		06/11/14 13:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	2		06/11/14 13:54	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	2		06/11/14 13:54	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	108-90-7	
Chloroethane	ND	ug/L	2.0	2		06/11/14 13:54	75-00-3	
Chloroform	ND	ug/L	2.0	2		06/11/14 13:54	67-66-3	
Chloromethane	ND	ug/L	2.0	2		06/11/14 13:54	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		06/11/14 13:54	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		06/11/14 13:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		06/11/14 13:54	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		06/11/14 13:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		06/11/14 13:54	106-93-4	
Dibromomethane	ND	ug/L	2.0	2		06/11/14 13:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		06/11/14 13:54	75-71-8	
1,1-Dichloroethane	**173**	ug/L	2.0	2		06/11/14 13:54	75-34-3	
1,2-Dichloroethane	**8.8**	ug/L	2.0	2		06/11/14 13:54	107-06-2	
1,1-Dichloroethene	**359**	ug/L	2.0	2		06/11/14 13:54	75-35-4	
cis-1,2-Dichloroethene	**2.1**	ug/L	2.0	2		06/11/14 13:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		06/11/14 13:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	2		06/11/14 13:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		06/11/14 13:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	2		06/11/14 13:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		06/11/14 13:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		06/11/14 13:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		06/11/14 13:54	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	2		06/11/14 13:54	108-20-3	
1,4-Dioxane (p-Dioxane)	**503**	ug/L	300	2		06/11/14 13:54	123-91-1	
Ethylbenzene	ND	ug/L	2.0	2		06/11/14 13:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		06/11/14 13:54	87-68-3	
2-Hexanone	ND	ug/L	10.0	2		06/11/14 13:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	2		06/11/14 13:54	99-87-6	
Methylene Chloride	**5.6**	ug/L	4.0	2		06/11/14 13:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		06/11/14 13:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		06/11/14 13:54	1634-04-4	
Naphthalene	ND	ug/L	2.0	2		06/11/14 13:54	91-20-3	
Styrene	ND	ug/L	2.0	2		06/11/14 13:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		06/11/14 13:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		06/11/14 13:54	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: MW-20 **Lab ID: 92203908020** Collected: 06/03/14 16:25 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		06/11/14 13:54	127-18-4	
Toluene	ND	ug/L	2.0	2		06/11/14 13:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		06/11/14 13:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		06/11/14 13:54	71-55-6	
1,1,2-Trichloroethane	**3.3**	ug/L	2.0	2		06/11/14 13:54	79-00-5	
Trichloroethene	**2.1**	ug/L	2.0	2		06/11/14 13:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		06/11/14 13:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		06/11/14 13:54	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2		06/11/14 13:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	2		06/11/14 13:54	75-01-4	
Xylene (Total)	ND	ug/L	4.0	2		06/11/14 13:54	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	2		06/11/14 13:54	179601-23-1	
o-Xylene	ND	ug/L	2.0	2		06/11/14 13:54	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	2		06/11/14 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	2		06/11/14 13:54	17060-07-0	
Toluene-d8 (S)	98	%	70-130	2		06/11/14 13:54	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**1010**	ug/L	50.0	25		06/05/14 21:41	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	25		06/05/14 21:41	17060-07-0	
Toluene-d8 (S)	97	%	50-150	25		06/05/14 21:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: TRIP BLANK **Lab ID: 92203908021** Collected: 06/03/14 00:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/05/14 02:42	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/14 02:42	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/05/14 02:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/05/14 02:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/05/14 02:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/05/14 02:42	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/05/14 02:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/05/14 02:42	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/05/14 02:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/05/14 02:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/05/14 02:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/05/14 02:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 02:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/05/14 02:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/05/14 02:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/05/14 02:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/05/14 02:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/05/14 02:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/05/14 02:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/05/14 02:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/05/14 02:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/05/14 02:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 02:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/05/14 02:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 02:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/05/14 02:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/05/14 02:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/05/14 02:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 02:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/05/14 02:42	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/05/14 02:42	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/05/14 02:42	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/05/14 02:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/05/14 02:42	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/05/14 02:42	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/05/14 02:42	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/05/14 02:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/05/14 02:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/05/14 02:42	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/05/14 02:42	91-20-3	
Styrene	ND	ug/L	1.0	1		06/05/14 02:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 02:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/05/14 02:42	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Sample: TRIP BLANK **Lab ID: 92203908021** Collected: 06/03/14 00:00 Received: 06/04/14 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/05/14 02:42	127-18-4	
Toluene	ND	ug/L	1.0	1		06/05/14 02:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/05/14 02:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/05/14 02:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/05/14 02:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/05/14 02:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/05/14 02:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/05/14 02:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/05/14 02:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/05/14 02:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/05/14 02:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/05/14 02:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/05/14 02:42	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/05/14 02:42	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/05/14 02:42	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		06/05/14 02:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27095 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92203908001, 92203908002, 92203908003, 92203908004, 92203908005, 92203908006, 92203908007, 92203908008, 92203908009, 92203908010, 92203908011, 92203908012, 92203908013, 92203908014, 92203908016, 92203908017, 92203908018

METHOD BLANK: 1214041 Matrix: Water
Associated Lab Samples: 92203908001, 92203908002, 92203908003, 92203908004, 92203908005, 92203908006, 92203908007, 92203908008, 92203908009, 92203908010, 92203908011, 92203908012, 92203908013, 92203908014, 92203908016, 92203908017, 92203908018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,1-Dichloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,1-Dichloroethene	ug/L	ND	1.0	06/04/14 17:23	
1,1-Dichloropropene	ug/L	ND	1.0	06/04/14 17:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/04/14 17:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/04/14 17:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/04/14 17:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
1,2-Dichloroethane	ug/L	ND	1.0	06/04/14 17:23	
1,2-Dichloropropane	ug/L	ND	1.0	06/04/14 17:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
1,3-Dichloropropane	ug/L	ND	1.0	06/04/14 17:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/04/14 17:23	
2,2-Dichloropropane	ug/L	ND	1.0	06/04/14 17:23	
2-Butanone (MEK)	ug/L	ND	5.0	06/04/14 17:23	
2-Chlorotoluene	ug/L	ND	1.0	06/04/14 17:23	
2-Hexanone	ug/L	ND	5.0	06/04/14 17:23	
4-Chlorotoluene	ug/L	ND	1.0	06/04/14 17:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/04/14 17:23	
Acetone	ug/L	ND	25.0	06/04/14 17:23	
Benzene	ug/L	ND	1.0	06/04/14 17:23	
Bromobenzene	ug/L	ND	1.0	06/04/14 17:23	
Bromochloromethane	ug/L	ND	1.0	06/04/14 17:23	
Bromodichloromethane	ug/L	ND	1.0	06/04/14 17:23	
Bromoform	ug/L	ND	1.0	06/04/14 17:23	
Bromomethane	ug/L	ND	2.0	06/04/14 17:23	
Carbon tetrachloride	ug/L	ND	1.0	06/04/14 17:23	
Chlorobenzene	ug/L	ND	1.0	06/04/14 17:23	
Chloroethane	ug/L	ND	1.0	06/04/14 17:23	
Chloroform	ug/L	ND	1.0	06/04/14 17:23	
Chloromethane	ug/L	ND	1.0	06/04/14 17:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/04/14 17:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

METHOD BLANK: 1214041 Matrix: Water

Associated Lab Samples: 92203908001, 92203908002, 92203908003, 92203908004, 92203908005, 92203908006, 92203908007, 92203908008, 92203908009, 92203908010, 92203908011, 92203908012, 92203908013, 92203908014, 92203908016, 92203908017, 92203908018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/04/14 17:23	
Dibromochloromethane	ug/L	ND	1.0	06/04/14 17:23	
Dibromomethane	ug/L	ND	1.0	06/04/14 17:23	
Dichlorodifluoromethane	ug/L	ND	1.0	06/04/14 17:23	
Diisopropyl ether	ug/L	ND	1.0	06/04/14 17:23	
Ethylbenzene	ug/L	ND	1.0	06/04/14 17:23	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/04/14 17:23	
m&p-Xylene	ug/L	ND	2.0	06/04/14 17:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/04/14 17:23	
Methylene Chloride	ug/L	ND	2.0	06/04/14 17:23	
Naphthalene	ug/L	ND	1.0	06/04/14 17:23	
o-Xylene	ug/L	ND	1.0	06/04/14 17:23	
p-Isopropyltoluene	ug/L	ND	1.0	06/04/14 17:23	
Styrene	ug/L	ND	1.0	06/04/14 17:23	
Tetrachloroethene	ug/L	ND	1.0	06/04/14 17:23	
Toluene	ug/L	ND	1.0	06/04/14 17:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/04/14 17:23	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/04/14 17:23	
Trichloroethene	ug/L	ND	1.0	06/04/14 17:23	
Trichlorofluoromethane	ug/L	ND	1.0	06/04/14 17:23	
Vinyl acetate	ug/L	ND	2.0	06/04/14 17:23	
Vinyl chloride	ug/L	ND	1.0	06/04/14 17:23	
Xylene (Total)	ug/L	ND	2.0	06/04/14 17:23	
1,2-Dichloroethane-d4 (S)	%	100	70-130	06/04/14 17:23	
4-Bromofluorobenzene (S)	%	101	70-130	06/04/14 17:23	
Toluene-d8 (S)	%	95	70-130	06/04/14 17:23	

LABORATORY CONTROL SAMPLE: 1214042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.0	116	70-130	
1,1,1-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.0	106	70-130	
1,1,2-Trichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethene	ug/L	50	48.1	96	70-132	
1,1-Dichloropropene	ug/L	50	53.2	106	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.2	102	70-135	
1,2,3-Trichloropropane	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.9	102	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	44.6	89	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

LABORATORY CONTROL SAMPLE: 1214042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	53.2	106	70-130	
1,2-Dichloroethane	ug/L	50	54.8	110	70-130	
1,2-Dichloropropane	ug/L	50	50.8	102	70-130	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,3-Dichloropropane	ug/L	50	51.2	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1270	127	70-130	
2,2-Dichloropropane	ug/L	50	54.2	108	58-145	
2-Butanone (MEK)	ug/L	100	90.8	91	70-145	
2-Chlorotoluene	ug/L	50	50.9	102	70-130	
2-Hexanone	ug/L	100	101	101	70-144	
4-Chlorotoluene	ug/L	50	48.7	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-140	
Acetone	ug/L	100	97.1	97	50-175	
Benzene	ug/L	50	54.5	109	70-130	
Bromobenzene	ug/L	50	50.3	101	70-130	
Bromochloromethane	ug/L	50	52.8	106	70-130	
Bromodichloromethane	ug/L	50	55.0	110	70-130	
Bromoform	ug/L	50	49.1	98	70-130	
Bromomethane	ug/L	50	56.8	114	54-130	
Carbon tetrachloride	ug/L	50	56.2	112	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	40.1	80	64-134	
Chloroform	ug/L	50	52.1	104	70-130	
Chloromethane	ug/L	50	44.9	90	64-130	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	70-131	
cis-1,3-Dichloropropene	ug/L	50	55.0	110	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dibromomethane	ug/L	50	54.9	110	70-131	
Dichlorodifluoromethane	ug/L	50	46.3	93	56-130	
Diisopropyl ether	ug/L	50	52.6	105	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.5	99	70-130	
m&p-Xylene	ug/L	100	99.7	100	70-130	
Methyl-tert-butyl ether	ug/L	50	53.8	108	70-130	
Methylene Chloride	ug/L	50	52.8	106	63-130	
Naphthalene	ug/L	50	49.9	100	70-138	
o-Xylene	ug/L	50	50.9	102	70-130	
p-Isopropyltoluene	ug/L	50	50.8	102	70-130	
Styrene	ug/L	50	53.8	108	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	51.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.5	109	70-132	
Trichloroethene	ug/L	50	56.4	113	70-130	
Trichlorofluoromethane	ug/L	50	47.0	94	62-133	
Vinyl acetate	ug/L	100	107	107	66-157	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

LABORATORY CONTROL SAMPLE: 1214042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	53.6	107	69-130	
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1214924

Parameter	Units	92203908010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	58.2	116	70-130	
1,1,1-Trichloroethane	ug/L	ND	50	56.8	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	53.6	107	70-130	
1,1,2-Trichloroethane	ug/L	ND	50	55.0	110	70-130	
1,1-Dichloroethane	ug/L	ND	50	56.2	112	70-130	
1,1-Dichloroethene	ug/L	ND	50	63.4	127	70-166	
1,1-Dichloropropene	ug/L	ND	50	58.4	117	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	50	51.9	104	70-130	
1,2,3-Trichloropropane	ug/L	ND	50	53.9	108	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	50	51.7	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	49.5	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	56.0	112	70-130	
1,2-Dichlorobenzene	ug/L	ND	50	56.1	112	70-130	
1,2-Dichloroethane	ug/L	ND	50	54.4	109	70-130	
1,2-Dichloropropane	ug/L	ND	50	56.6	113	70-130	
1,3-Dichlorobenzene	ug/L	ND	50	53.4	107	70-130	
1,3-Dichloropropane	ug/L	ND	50	55.4	111	70-130	
1,4-Dichlorobenzene	ug/L	ND	50	52.7	105	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	1000	1520	152	70-130	M0
2,2-Dichloropropane	ug/L	ND	50	35.6	71	70-130	
2-Butanone (MEK)	ug/L	ND	100	111	111	70-130	
2-Chlorotoluene	ug/L	ND	50	55.6	111	70-130	
2-Hexanone	ug/L	ND	100	111	111	70-130	
4-Chlorotoluene	ug/L	ND	50	53.1	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	112	112	70-130	
Acetone	ug/L	ND	100	111	107	70-130	
Benzene	ug/L	ND	50	60.8	122	70-148	
Bromobenzene	ug/L	ND	50	55.5	111	70-130	
Bromochloromethane	ug/L	ND	50	57.3	115	70-130	
Bromodichloromethane	ug/L	ND	50	58.5	117	70-130	
Bromoform	ug/L	ND	50	48.3	97	70-130	
Bromomethane	ug/L	ND	50	40.6	81	70-130	
Carbon tetrachloride	ug/L	ND	50	60.7	121	70-130	
Chlorobenzene	ug/L	ND	50	54.3	109	70-146	
Chloroethane	ug/L	ND	50	46.8	94	70-130	
Chloroform	ug/L	ND	50	58.0	116	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

MATRIX SPIKE SAMPLE: 1214924

Parameter	Units	92203908010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	ND	50	56.9	114	70-130	
cis-1,2-Dichloroethene	ug/L	ND	50	57.8	116	70-130	
cis-1,3-Dichloropropene	ug/L	ND	50	52.4	105	70-130	
Dibromochloromethane	ug/L	ND	50	49.6	99	70-130	
Dibromomethane	ug/L	ND	50	53.6	107	70-130	
Dichlorodifluoromethane	ug/L	ND	50	58.0	116	70-130	
Diisopropyl ether	ug/L	ND	50	56.9	114	70-130	
Ethylbenzene	ug/L	ND	50	57.0	114	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	50	44.9	90	70-130	
m&p-Xylene	ug/L	ND	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	ND	50	56.5	113	70-130	
Methylene Chloride	ug/L	ND	50	50.7	101	70-130	
Naphthalene	ug/L	ND	50	55.1	110	70-130	
o-Xylene	ug/L	ND	50	56.3	113	70-130	
p-Isopropyltoluene	ug/L	ND	50	58.5	117	70-130	
Styrene	ug/L	ND	50	57.3	115	70-130	
Tetrachloroethene	ug/L	ND	50	64.8	130	70-130	
Toluene	ug/L	ND	50	58.0	116	70-155	
trans-1,2-Dichloroethene	ug/L	ND	50	61.2	122	70-130	
trans-1,3-Dichloropropene	ug/L	ND	50	52.5	105	70-130	
Trichloroethene	ug/L	ND	50	60.2	120	69-151	
Trichlorofluoromethane	ug/L	ND	50	62.9	126	70-130	
Vinyl acetate	ug/L	ND	100	61.1	61	70-130	M0
Vinyl chloride	ug/L	ND	50	64.7	129	70-130	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1214925

Parameter	Units	92203908011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	6.8		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	8.5	8.6	1	30	
1,1-Dichloroethene	ug/L	193	175	10	30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	1.2	.97J		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

SAMPLE DUPLICATE: 1214925

Parameter	Units	92203908011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	.4J		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

SAMPLE DUPLICATE: 1214925

Parameter	Units	92203908011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	100	100	0		
4-Bromofluorobenzene (S)	%	100	99	2		
Toluene-d8 (S)	%	96	99	3		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27097
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92203908021

METHOD BLANK: 1214046
Matrix: Water
Associated Lab Samples: 92203908021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,1-Dichloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,1-Dichloroethene	ug/L	ND	1.0	06/04/14 17:07	
1,1-Dichloropropene	ug/L	ND	1.0	06/04/14 17:07	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/04/14 17:07	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/04/14 17:07	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/04/14 17:07	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
1,2-Dichloroethane	ug/L	ND	1.0	06/04/14 17:07	
1,2-Dichloropropane	ug/L	ND	1.0	06/04/14 17:07	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
1,3-Dichloropropane	ug/L	ND	1.0	06/04/14 17:07	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/04/14 17:07	
2,2-Dichloropropane	ug/L	ND	1.0	06/04/14 17:07	
2-Butanone (MEK)	ug/L	ND	5.0	06/04/14 17:07	
2-Chlorotoluene	ug/L	ND	1.0	06/04/14 17:07	
2-Hexanone	ug/L	ND	5.0	06/04/14 17:07	
4-Chlorotoluene	ug/L	ND	1.0	06/04/14 17:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/04/14 17:07	
Acetone	ug/L	ND	25.0	06/04/14 17:07	
Benzene	ug/L	ND	1.0	06/04/14 17:07	
Bromobenzene	ug/L	ND	1.0	06/04/14 17:07	
Bromochloromethane	ug/L	ND	1.0	06/04/14 17:07	
Bromodichloromethane	ug/L	ND	1.0	06/04/14 17:07	
Bromoform	ug/L	ND	1.0	06/04/14 17:07	
Bromomethane	ug/L	ND	2.0	06/04/14 17:07	
Carbon tetrachloride	ug/L	ND	1.0	06/04/14 17:07	
Chlorobenzene	ug/L	ND	1.0	06/04/14 17:07	
Chloroethane	ug/L	ND	1.0	06/04/14 17:07	
Chloroform	ug/L	ND	1.0	06/04/14 17:07	
Chloromethane	ug/L	ND	1.0	06/04/14 17:07	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/04/14 17:07	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/04/14 17:07	
Dibromochloromethane	ug/L	ND	1.0	06/04/14 17:07	
Dibromomethane	ug/L	ND	1.0	06/04/14 17:07	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

METHOD BLANK: 1214046 Matrix: Water
Associated Lab Samples: 92203908021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/04/14 17:07	
Diisopropyl ether	ug/L	ND	1.0	06/04/14 17:07	
Ethylbenzene	ug/L	ND	1.0	06/04/14 17:07	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/04/14 17:07	
m&p-Xylene	ug/L	ND	2.0	06/04/14 17:07	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/04/14 17:07	
Methylene Chloride	ug/L	ND	2.0	06/04/14 17:07	
Naphthalene	ug/L	ND	1.0	06/04/14 17:07	
o-Xylene	ug/L	ND	1.0	06/04/14 17:07	
p-Isopropyltoluene	ug/L	ND	1.0	06/04/14 17:07	
Styrene	ug/L	ND	1.0	06/04/14 17:07	
Tetrachloroethene	ug/L	ND	1.0	06/04/14 17:07	
Toluene	ug/L	ND	1.0	06/04/14 17:07	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/04/14 17:07	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/04/14 17:07	
Trichloroethene	ug/L	ND	1.0	06/04/14 17:07	
Trichlorofluoromethane	ug/L	ND	1.0	06/04/14 17:07	
Vinyl acetate	ug/L	ND	2.0	06/04/14 17:07	
Vinyl chloride	ug/L	ND	1.0	06/04/14 17:07	
Xylene (Total)	ug/L	ND	2.0	06/04/14 17:07	
1,2-Dichloroethane-d4 (S)	%	100	70-130	06/04/14 17:07	
4-Bromofluorobenzene (S)	%	100	70-130	06/04/14 17:07	
Toluene-d8 (S)	%	97	70-130	06/04/14 17:07	

LABORATORY CONTROL SAMPLE: 1214047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.5	113	70-130	
1,1,1-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	70-130	
1,1,2-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	48.9	98	70-132	
1,1-Dichloropropene	ug/L	50	51.0	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.5	97	70-135	
1,2,3-Trichloropropane	ug/L	50	51.3	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.3	99	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.5	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	54.3	109	70-130	
1,2-Dichloropropane	ug/L	50	48.5	97	70-130	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,3-Dichloropropane	ug/L	50	49.1	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

LABORATORY CONTROL SAMPLE: 1214047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1200	120	70-130	
2,2-Dichloropropane	ug/L	50	50.8	102	58-145	
2-Butanone (MEK)	ug/L	100	85.3	85	70-145	
2-Chlorotoluene	ug/L	50	48.2	96	70-130	
2-Hexanone	ug/L	100	97.1	97	70-144	
4-Chlorotoluene	ug/L	50	46.7	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.4	98	70-140	
Acetone	ug/L	100	97.9	98	50-175	
Benzene	ug/L	50	52.0	104	70-130	
Bromobenzene	ug/L	50	48.6	97	70-130	
Bromochloromethane	ug/L	50	51.6	103	70-130	
Bromodichloromethane	ug/L	50	53.5	107	70-130	
Bromoform	ug/L	50	47.8	96	70-130	
Bromomethane	ug/L	50	54.0	108	54-130	
Carbon tetrachloride	ug/L	50	54.4	109	70-132	
Chlorobenzene	ug/L	50	48.8	98	70-130	
Chloroethane	ug/L	50	41.0	82	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	41.9	84	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	70-130	
Dibromochloromethane	ug/L	50	47.4	95	70-130	
Dibromomethane	ug/L	50	52.7	105	70-131	
Dichlorodifluoromethane	ug/L	50	44.7	89	56-130	
Diisopropyl ether	ug/L	50	50.0	100	70-130	
Ethylbenzene	ug/L	50	46.9	94	70-130	
Hexachloro-1,3-butadiene	ug/L	50	44.8	90	70-130	
m&p-Xylene	ug/L	100	95.4	95	70-130	
Methyl-tert-butyl ether	ug/L	50	51.9	104	70-130	
Methylene Chloride	ug/L	50	51.3	103	63-130	
Naphthalene	ug/L	50	47.9	96	70-138	
o-Xylene	ug/L	50	49.0	98	70-130	
p-Isopropyltoluene	ug/L	50	47.6	95	70-130	
Styrene	ug/L	50	51.0	102	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	49.8	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.7	105	70-132	
Trichloroethene	ug/L	50	55.1	110	70-130	
Trichlorofluoromethane	ug/L	50	46.9	94	62-133	
Vinyl acetate	ug/L	100	104	104	66-157	
Vinyl chloride	ug/L	50	51.3	103	69-130	
Xylene (Total)	ug/L	150	144	96	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27152 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92203908015, 92203908020

METHOD BLANK: 1217702 Matrix: Water
Associated Lab Samples: 92203908015, 92203908020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,1-Dichloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,1-Dichloroethene	ug/L	ND	1.0	06/11/14 05:53	
1,1-Dichloropropene	ug/L	ND	1.0	06/11/14 05:53	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/11/14 05:53	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/11/14 05:53	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/11/14 05:53	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
1,2-Dichloroethane	ug/L	ND	1.0	06/11/14 05:53	
1,2-Dichloropropane	ug/L	ND	1.0	06/11/14 05:53	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
1,3-Dichloropropane	ug/L	ND	1.0	06/11/14 05:53	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/11/14 05:53	
2,2-Dichloropropane	ug/L	ND	1.0	06/11/14 05:53	
2-Butanone (MEK)	ug/L	ND	5.0	06/11/14 05:53	
2-Chlorotoluene	ug/L	ND	1.0	06/11/14 05:53	
2-Hexanone	ug/L	ND	5.0	06/11/14 05:53	
4-Chlorotoluene	ug/L	ND	1.0	06/11/14 05:53	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/11/14 05:53	
Acetone	ug/L	ND	25.0	06/11/14 05:53	
Benzene	ug/L	ND	1.0	06/11/14 05:53	
Bromobenzene	ug/L	ND	1.0	06/11/14 05:53	
Bromochloromethane	ug/L	ND	1.0	06/11/14 05:53	
Bromodichloromethane	ug/L	ND	1.0	06/11/14 05:53	
Bromoform	ug/L	ND	1.0	06/11/14 05:53	
Bromomethane	ug/L	ND	2.0	06/11/14 05:53	
Carbon tetrachloride	ug/L	ND	1.0	06/11/14 05:53	
Chlorobenzene	ug/L	ND	1.0	06/11/14 05:53	
Chloroethane	ug/L	ND	1.0	06/11/14 05:53	
Chloroform	ug/L	ND	1.0	06/11/14 05:53	
Chloromethane	ug/L	ND	1.0	06/11/14 05:53	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/11/14 05:53	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/11/14 05:53	
Dibromochloromethane	ug/L	ND	1.0	06/11/14 05:53	
Dibromomethane	ug/L	ND	1.0	06/11/14 05:53	

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

METHOD BLANK: 1217702 Matrix: Water
Associated Lab Samples: 92203908015, 92203908020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/11/14 05:53	
Diisopropyl ether	ug/L	ND	1.0	06/11/14 05:53	
Ethylbenzene	ug/L	ND	1.0	06/11/14 05:53	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/11/14 05:53	
m&p-Xylene	ug/L	ND	2.0	06/11/14 05:53	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/11/14 05:53	
Methylene Chloride	ug/L	ND	2.0	06/11/14 05:53	
Naphthalene	ug/L	ND	1.0	06/11/14 05:53	
o-Xylene	ug/L	ND	1.0	06/11/14 05:53	
p-Isopropyltoluene	ug/L	ND	1.0	06/11/14 05:53	
Styrene	ug/L	ND	1.0	06/11/14 05:53	
Tetrachloroethene	ug/L	ND	1.0	06/11/14 05:53	
Toluene	ug/L	ND	1.0	06/11/14 05:53	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/11/14 05:53	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/11/14 05:53	
Trichloroethene	ug/L	ND	1.0	06/11/14 05:53	
Trichlorofluoromethane	ug/L	ND	1.0	06/11/14 05:53	
Vinyl acetate	ug/L	ND	2.0	06/11/14 05:53	
Vinyl chloride	ug/L	ND	1.0	06/11/14 05:53	
Xylene (Total)	ug/L	ND	2.0	06/11/14 05:53	
1,2-Dichloroethane-d4 (S)	%	96	70-130	06/11/14 05:53	
4-Bromofluorobenzene (S)	%	99	70-130	06/11/14 05:53	
Toluene-d8 (S)	%	97	70-130	06/11/14 05:53	

LABORATORY CONTROL SAMPLE: 1217703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.1	106	70-130	
1,1,1-Trichloroethane	ug/L	50	56.2	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.8	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethene	ug/L	50	56.4	113	70-132	
1,1-Dichloropropene	ug/L	50	58.5	117	70-130	
1,2,3-Trichlorobenzene	ug/L	50	57.5	115	70-135	
1,2,3-Trichloropropane	ug/L	50	55.9	112	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.5	107	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	56.0	112	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.9	108	70-130	
1,2-Dichlorobenzene	ug/L	50	53.1	106	70-130	
1,2-Dichloroethane	ug/L	50	51.6	103	70-130	
1,2-Dichloropropane	ug/L	50	52.4	105	70-130	
1,3-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,3-Dichloropropane	ug/L	50	51.7	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

LABORATORY CONTROL SAMPLE: 1217703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1060	106	71-125	
2,2-Dichloropropane	ug/L	50	49.0	98	58-145	
2-Butanone (MEK)	ug/L	100	103	103	70-145	
2-Chlorotoluene	ug/L	50	53.6	107	70-130	
2-Hexanone	ug/L	100	114	114	70-144	
4-Chlorotoluene	ug/L	50	51.7	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	116	116	70-140	
Acetone	ug/L	100	102	102	50-175	
Benzene	ug/L	50	54.6	109	70-130	
Bromobenzene	ug/L	50	51.6	103	70-130	
Bromochloromethane	ug/L	50	51.7	103	70-130	
Bromodichloromethane	ug/L	50	55.1	110	70-130	
Bromoform	ug/L	50	54.9	110	70-130	
Bromomethane	ug/L	50	41.1	82	54-130	
Carbon tetrachloride	ug/L	50	62.3	125	70-132	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	55.3	111	64-134	
Chloroform	ug/L	50	55.1	110	70-130	
Chloromethane	ug/L	50	59.0	118	64-130	
cis-1,2-Dichloroethene	ug/L	50	55.4	111	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	56.2	112	70-130	
Dibromomethane	ug/L	50	53.6	107	70-131	
Dichlorodifluoromethane	ug/L	50	63.6	127	56-130	
Diisopropyl ether	ug/L	50	53.3	107	70-130	
Ethylbenzene	ug/L	50	51.7	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	56.6	113	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	53.8	108	70-130	
Methylene Chloride	ug/L	50	54.7	109	63-130	
Naphthalene	ug/L	50	54.7	109	70-138	
o-Xylene	ug/L	50	53.4	107	70-130	
p-Isopropyltoluene	ug/L	50	53.8	108	70-130	
Styrene	ug/L	50	55.2	110	70-130	
Tetrachloroethene	ug/L	50	55.1	110	70-130	
Toluene	ug/L	50	52.9	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	70-132	
Trichloroethene	ug/L	50	53.9	108	70-130	
Trichlorofluoromethane	ug/L	50	59.2	118	62-133	
Vinyl acetate	ug/L	100	115	115	66-157	
Vinyl chloride	ug/L	50	64.6	129	50-150	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1217704 1217705

Parameter	Units	92204400001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	50.1	52.5	100	105	70-166	5	30	
Benzene	ug/L	ND	50	50	55.2	57.1	110	114	70-148	3	30	
Chlorobenzene	ug/L	ND	50	50	52.4	54.5	105	109	70-146	4	30	
Toluene	ug/L	ND	50	50	50.0	51.8	100	104	70-155	3	30	
Trichloroethene	ug/L	ND	50	50	56.4	58.5	113	117	69-151	4	30	
1,2-Dichloroethane-d4 (S)	%						90	90	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27193
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92203908019

METHOD BLANK: 1220054
Matrix: Water
Associated Lab Samples: 92203908019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/12/14 15:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,3-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/12/14 15:43	
2,2-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
2-Butanone (MEK)	ug/L	ND	5.0	06/12/14 15:43	
2-Chlorotoluene	ug/L	ND	1.0	06/12/14 15:43	
2-Hexanone	ug/L	ND	5.0	06/12/14 15:43	
4-Chlorotoluene	ug/L	ND	1.0	06/12/14 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/12/14 15:43	
Acetone	ug/L	ND	25.0	06/12/14 15:43	
Benzene	ug/L	ND	1.0	06/12/14 15:43	
Bromobenzene	ug/L	ND	1.0	06/12/14 15:43	
Bromochloromethane	ug/L	ND	1.0	06/12/14 15:43	
Bromodichloromethane	ug/L	ND	1.0	06/12/14 15:43	
Bromoform	ug/L	ND	1.0	06/12/14 15:43	
Bromomethane	ug/L	ND	2.0	06/12/14 15:43	
Carbon tetrachloride	ug/L	ND	1.0	06/12/14 15:43	
Chlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
Chloroethane	ug/L	ND	1.0	06/12/14 15:43	
Chloroform	ug/L	ND	1.0	06/12/14 15:43	
Chloromethane	ug/L	ND	1.0	06/12/14 15:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
Dibromochloromethane	ug/L	ND	1.0	06/12/14 15:43	
Dibromomethane	ug/L	ND	1.0	06/12/14 15:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

METHOD BLANK: 1220054 Matrix: Water
Associated Lab Samples: 92203908019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/12/14 15:43	
Diisopropyl ether	ug/L	ND	1.0	06/12/14 15:43	
Ethylbenzene	ug/L	ND	1.0	06/12/14 15:43	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/12/14 15:43	
m&p-Xylene	ug/L	ND	2.0	06/12/14 15:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/12/14 15:43	
Methylene Chloride	ug/L	ND	2.0	06/12/14 15:43	
Naphthalene	ug/L	ND	1.0	06/12/14 15:43	
o-Xylene	ug/L	ND	1.0	06/12/14 15:43	
p-Isopropyltoluene	ug/L	ND	1.0	06/12/14 15:43	
Styrene	ug/L	ND	1.0	06/12/14 15:43	
Tetrachloroethene	ug/L	ND	1.0	06/12/14 15:43	
Toluene	ug/L	ND	1.0	06/12/14 15:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
Trichloroethene	ug/L	ND	1.0	06/12/14 15:43	
Trichlorofluoromethane	ug/L	ND	1.0	06/12/14 15:43	
Vinyl acetate	ug/L	ND	2.0	06/12/14 15:43	
Vinyl chloride	ug/L	ND	1.0	06/12/14 15:43	
Xylene (Total)	ug/L	ND	2.0	06/12/14 15:43	
1,2-Dichloroethane-d4 (S)	%	99	70-130	06/12/14 15:43	
4-Bromofluorobenzene (S)	%	101	70-130	06/12/14 15:43	
Toluene-d8 (S)	%	97	70-130	06/12/14 15:43	

LABORATORY CONTROL SAMPLE: 1220055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,1-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.2	106	70-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethene	ug/L	50	55.4	111	70-132	
1,1-Dichloropropene	ug/L	50	49.9	100	70-130	
1,2,3-Trichlorobenzene	ug/L	50	56.9	114	70-135	
1,2,3-Trichloropropane	ug/L	50	56.3	113	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.7	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.7	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	56.9	114	70-130	
1,2-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,2-Dichloroethane	ug/L	50	56.6	113	70-130	
1,2-Dichloropropane	ug/L	50	52.4	105	70-130	
1,3-Dichlorobenzene	ug/L	50	53.9	108	70-130	
1,3-Dichloropropane	ug/L	50	54.7	109	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

LABORATORY CONTROL SAMPLE: 1220055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1220	122	71-125	
2,2-Dichloropropane	ug/L	50	56.5	113	58-145	
2-Butanone (MEK)	ug/L	100	112	112	70-145	
2-Chlorotoluene	ug/L	50	50.7	101	70-130	
2-Hexanone	ug/L	100	114	114	70-144	
4-Chlorotoluene	ug/L	50	51.8	104	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	116	116	70-140	
Acetone	ug/L	100	108	108	50-175	
Benzene	ug/L	50	54.3	109	70-130	
Bromobenzene	ug/L	50	54.0	108	70-130	
Bromochloromethane	ug/L	50	55.4	111	70-130	
Bromodichloromethane	ug/L	50	52.4	105	70-130	
Bromoform	ug/L	50	50.3	101	70-130	
Bromomethane	ug/L	50	47.7	95	54-130	
Carbon tetrachloride	ug/L	50	62.2	124	70-132	
Chlorobenzene	ug/L	50	54.6	109	70-130	
Chloroethane	ug/L	50	48.6	97	64-134	
Chloroform	ug/L	50	56.2	112	70-130	
Chloromethane	ug/L	50	48.6	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.9	114	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.6	113	70-130	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dibromomethane	ug/L	50	55.3	111	70-131	
Dichlorodifluoromethane	ug/L	50	58.7	117	56-130	
Diisopropyl ether	ug/L	50	53.2	106	70-130	
Ethylbenzene	ug/L	50	52.8	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.4	115	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	57.5	115	70-130	
Methylene Chloride	ug/L	50	50.7	101	63-130	
Naphthalene	ug/L	50	57.0	114	70-138	
o-Xylene	ug/L	50	55.3	111	70-130	
p-Isopropyltoluene	ug/L	50	54.0	108	70-130	
Styrene	ug/L	50	56.6	113	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	52.0	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	70-132	
Trichloroethene	ug/L	50	52.6	105	70-130	
Trichlorofluoromethane	ug/L	50	52.8	106	62-133	
Vinyl acetate	ug/L	100	122	122	66-157	
Vinyl chloride	ug/L	50	48.4	97	50-150	
Xylene (Total)	ug/L	150	164	110	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221089 1221090

Parameter	Units	92204835005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	49.5	47.5	99	95	70-166	4	30	
Benzene	ug/L	ND	50	50	52.7	50.8	105	102	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	50.1	49.5	100	99	70-146	1	30	
Toluene	ug/L	ND	50	50	48.6	47.1	97	94	70-155	3	30	
Trichloroethene	ug/L	ND	50	50	55.0	54.2	110	108	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						95	94	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27077 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92203908001, 92203908002, 92203908003, 92203908004, 92203908005, 92203908006, 92203908007, 92203908008, 92203908009, 92203908010, 92203908011, 92203908012, 92203908013, 92203908014, 92203908015, 92203908016, 92203908017, 92203908018, 92203908019

METHOD BLANK: 1213592 Matrix: Water
Associated Lab Samples: 92203908001, 92203908002, 92203908003, 92203908004, 92203908005, 92203908006, 92203908007, 92203908008, 92203908009, 92203908010, 92203908011, 92203908012, 92203908013, 92203908014, 92203908015, 92203908016, 92203908017, 92203908018, 92203908019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	06/05/14 13:30	
1,2-Dichloroethane-d4 (S)	%	99	50-150	06/05/14 13:30	
Toluene-d8 (S)	%	99	50-150	06/05/14 13:30	

LABORATORY CONTROL SAMPLE: 1213593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	18.7	93	50-150	
1,2-Dichloroethane-d4 (S)	%			72	50-150	
Toluene-d8 (S)	%			100	50-150	

MATRIX SPIKE SAMPLE: 1214007

Parameter	Units	92203908003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	39.3	20	36.2	-15	50-150	M0
1,2-Dichloroethane-d4 (S)	%				107	50-150	
Toluene-d8 (S)	%				99	50-150	

SAMPLE DUPLICATE: 1214006

Parameter	Units	92203908001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	83	20	150	
Toluene-d8 (S)	%	100	99	1	150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

QC Batch: MSV/27093 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92203908020

METHOD BLANK: 1214008 Matrix: Water
Associated Lab Samples: 92203908020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	06/05/14 13:09	
1,2-Dichloroethane-d4 (S)	%	98	50-150	06/05/14 13:09	
Toluene-d8 (S)	%	100	50-150	06/05/14 13:09	

LABORATORY CONTROL SAMPLE: 1214009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	14.2	71	50-150	
1,2-Dichloroethane-d4 (S)	%			106	50-150	
Toluene-d8 (S)	%			101	50-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3705/20 KOP FLEX HANOVER, MD
Pace Project No.: 92203908

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92203908001	**MW-25D**	EPA 8260	MSV/27095		
92203908002	**MW-23D**	EPA 8260	MSV/27095		
92203908003	**MW-22D**	EPA 8260	MSV/27095		
92203908004	**MW-19**	EPA 8260	MSV/27095		
92203908005	**MW-03**	EPA 8260	MSV/27095		
92203908006	**MW-24D**	EPA 8260	MSV/27095		
92203908007	**MW-05**	EPA 8260	MSV/27095		
92203908008	**MW-21D**	EPA 8260	MSV/27095		
92203908009	**MW-06**	EPA 8260	MSV/27095		
92203908010	**MW-07**	EPA 8260	MSV/27095		
92203908011	**MW-09**	EPA 8260	MSV/27095		
92203908012	**MW-12**	EPA 8260	MSV/27095		
92203908013	**MW-101**	EPA 8260	MSV/27095		
92203908014	**MW-10**	EPA 8260	MSV/27095		
92203908015	**MW-11**	EPA 8260	MSV/27152		
92203908016	**MW-04**	EPA 8260	MSV/27095		
92203908017	**MW-01**	EPA 8260	MSV/27095		
92203908018	**MW-1D**	EPA 8260	MSV/27095		
92203908019	**MW-16D**	EPA 8260	MSV/27193		
92203908020	**MW-20**	EPA 8260	MSV/27152		
92203908021	**TRIP BLANK**	EPA 8260	MSV/27097		
92203908001	**MW-25D**	EPA 8260B Mod.	MSV/27077		
92203908002	**MW-23D**	EPA 8260B Mod.	MSV/27077		
92203908003	**MW-22D**	EPA 8260B Mod.	MSV/27077		
92203908004	**MW-19**	EPA 8260B Mod.	MSV/27077		
92203908005	**MW-03**	EPA 8260B Mod.	MSV/27077		
92203908006	**MW-24D**	EPA 8260B Mod.	MSV/27077		
92203908007	**MW-05**	EPA 8260B Mod.	MSV/27077		
92203908008	**MW-21D**	EPA 8260B Mod.	MSV/27077		
92203908009	**MW-06**	EPA 8260B Mod.	MSV/27077		
92203908010	**MW-07**	EPA 8260B Mod.	MSV/27077		
92203908011	**MW-09**	EPA 8260B Mod.	MSV/27077		
92203908012	**MW-12**	EPA 8260B Mod.	MSV/27077		
92203908013	**MW-101**	EPA 8260B Mod.	MSV/27077		
92203908014	**MW-10**	EPA 8260B Mod.	MSV/27077		
92203908015	**MW-11**	EPA 8260B Mod.	MSV/27077		
92203908016	**MW-04**	EPA 8260B Mod.	MSV/27077		
92203908017	**MW-01**	EPA 8260B Mod.	MSV/27077		
92203908018	**MW-1D**	EPA 8260B Mod.	MSV/27077		
92203908019	**MW-16D**	EPA 8260B Mod.	MSV/27077		
92203908020	**MW-20**	EPA 8260B Mod.	MSV/27093		

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: April 07, 2014 Page 1 of 2
	Document Number: **F-CHR-CS-003-rev.14**	Issuing Authority: Pace Huntersville Quality Office

Client Name: WSP Environmental

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

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

Thermometer Used: IR Gun T1102 T1401 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 5.9 °C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Comments:

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: DO 6/4/14

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. No Date/Time on TB
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JM Date: 6/4/14

SRF Review: AMB Date: AMB 6-5-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

WO# : 92203908

92203908

CHAIN OF CUSTODY RECORD

Project Number:	Site and Location:
37051120	Kopflex Hanover, MD
Contact Name:	**Contact Email:**
James Edwards	James.Edwards@wsp.com
Sampler's Name: James Edwards, Steven Bocchiani	**Sampler's Signature:**

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (8260)	1,4 dioxane (8260SIM)	Nº 42203145 Remarks
MW-25D	N/A	6/2/14	0926	Aq	6	X	X	001
MW-23D		6/2/14	1040	Aq	6	X	X	002
MW-22D		6/2/14	1200	Aq	6	X	X	003
MW-19		6/2/14	1210	Aq	6	X	X	004
MW-03		6/2/14	1440	Aq	6	X	X	005
MW-24D		6/2/14	1530	Aq	6	X	X	006
MW-05		6/2/14	1555	Aq	6	X	X	007
MW-21D		6/2/14	1650	Aq	6	X	X	008
MW-06		6/2/14	1700	Aq	6	X	X	009
MW-07		6/3/14	0810	Aq	6	X	X	010
MW-09		6/3/14	0900	Aq	6	X	X	011
MW-12		6/3/14	0910	Aq	6	X	X	012
MW-101		6/3/14	0845	Aq	6	X	X	013
MW-10		6/3/14	1010	Aq	6	X	X	014
MW-11		6/3/14	1030	Aq	6	X	X	015
MW-04		6/3/14	1140	Aq	6	X	X	016

Relinquished by *(Signature)*:	Date / Time: 6/3/14 1745	Received by *(Signature)*: 6/4/14 PACE 0440	Laboratory Name: PACE
Relinquished by *(Signature)*:	Date / Time:	Received by *(Signature)*:	Laboratory Location: Huntersville, NC
Turn-Around Time: Standard		Tracking Number:	Custody Seal Numbers: 02426, 02449
			Method of Shipment: FedEx

WSP Environment & Energy

- ☑ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

CHAIN OF CUSTODY RECORD

Project Number:	Site and Location:
3705/20	Hanover, MD
Contact Name:	**Contact Email:**
James Edwards	James.Edwards@wspgroup.com
Sampler's Name: James Edwards, Abra Bacchioni	**Sampler's Signature:**

Matrices: S = Soil; Aq = Water; A = Air: Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (8260)	1,4 Dioxane (8270 SIM)								Remarks
MW-01		6/3/14	1232	Aq	6	X	X								017
MW-1D		6/3/14	1240	Aq	6	X	X								018
MW-16D		6/3/14	1550	Aq	6	X	X								019
MW-20		6/3/14	1625	Aq	6	X	X								020
TRIP BLANK		N/A	N/A	Aq	2	X									021

N° 9220390

Relinquished by *(Signature)*:	6/3/14 1745 Date | Time	Received by *(Signature)*: 6/4/14 0940	Laboratory Name: PACE
Relinquished by *(Signature)*:	Date | Time	Received by *(Signature)*:	Laboratory Location: Huntersville, NC
Turn-Around Time: Standard		Tracking Number:	Custody Seal Numbers: 02426, 02449
			Method of Shipment: Fedex

WSP Environment & Energy

- ☒ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
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- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

June 16, 2014

Keith Green
WSP Environmental Strategies
11190 Sunrise Valley Dr
Suite 300
Reston, VA 20191

RE: Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Dear Keith Green:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Mr. James Edwards, WSP Environmental Strategies

Pace Analytical Services, Inc.
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Huntersville, NC 28078
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CERTIFICATIONS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92204350001	**MW-16**	Water	06/04/14 09:55	06/06/14 09:30
92204350002	**MW-02**	Water	06/04/14 11:23	06/06/14 09:30
92204350003	**MW-14**	Water	06/04/14 11:35	06/06/14 09:30
92204350004	**MW-2D**	Water	06/04/14 11:45	06/06/14 09:30
92204350005	**MW-18**	Water	06/04/14 14:45	06/06/14 09:30
92204350006	**MW-17D**	Water	06/04/14 14:50	06/06/14 09:30
92204350007	**MW-17**	Water	06/04/14 15:00	06/06/14 09:30
92204350008	**MW-38**	Water	06/04/14 16:10	06/06/14 09:30
92204350009	**EB-060414**	Water	06/04/14 16:30	06/06/14 09:30
92204350010	**MW-26D**	Water	06/04/14 16:40	06/06/14 09:30
92204350011	**MW-08**	Water	06/04/14 09:55	06/06/14 09:30
92204350012	**MW-39**	Water	06/05/14 09:00	06/06/14 09:30
92204350013	**MW-15**	Water	06/05/14 09:20	06/06/14 09:30
92204350014	**MW-100**	Water	06/05/14 09:50	06/06/14 09:30
92204350015	**TRIP BLANK**	Water	06/05/14 00:00	06/06/14 09:30

Pace Analytical Services, Inc.
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SAMPLE ANALYTE COUNT

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92204350001	**MW-16**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350002	**MW-02**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350003	**MW-14**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350004	**MW-2D**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350005	**MW-18**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350006	**MW-17D**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350007	**MW-17**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350008	**MW-38**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350009	**EB-060414**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350010	**MW-26D**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350011	**MW-08**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350012	**MW-39**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350013	**MW-15**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350014	**MW-100**	EPA 8260	MCK	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92204350015	**TRIP BLANK**	EPA 8260	MCK	64	PASI-C

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-16 **Lab ID: 92204350001** Collected: 06/04/14 09:55 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	5000	200		06/12/14 02:18	67-64-1	
Benzene	ND	ug/L	200	200		06/12/14 02:18	71-43-2	
Bromobenzene	ND	ug/L	200	200		06/12/14 02:18	108-86-1	
Bromochloromethane	ND	ug/L	200	200		06/12/14 02:18	74-97-5	
Bromodichloromethane	ND	ug/L	200	200		06/12/14 02:18	75-27-4	
Bromoform	ND	ug/L	200	200		06/12/14 02:18	75-25-2	
Bromomethane	ND	ug/L	400	200		06/12/14 02:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	1000	200		06/12/14 02:18	78-93-3	
Carbon tetrachloride	ND	ug/L	200	200		06/12/14 02:18	56-23-5	
Chlorobenzene	ND	ug/L	200	200		06/12/14 02:18	108-90-7	
Chloroethane	**278**	ug/L	200	200		06/12/14 02:18	75-00-3	
Chloroform	ND	ug/L	200	200		06/12/14 02:18	67-66-3	
Chloromethane	ND	ug/L	200	200		06/12/14 02:18	74-87-3	
2-Chlorotoluene	ND	ug/L	200	200		06/12/14 02:18	95-49-8	
4-Chlorotoluene	ND	ug/L	200	200		06/12/14 02:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	200		06/12/14 02:18	96-12-8	
Dibromochloromethane	ND	ug/L	200	200		06/12/14 02:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	200	200		06/12/14 02:18	106-93-4	
Dibromomethane	ND	ug/L	200	200		06/12/14 02:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	200	200		06/12/14 02:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	200	200		06/12/14 02:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	200	200		06/12/14 02:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	200	200		06/12/14 02:18	75-71-8	
1,1-Dichloroethane	**3850**	ug/L	200	200		06/12/14 02:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	200	200		06/12/14 02:18	107-06-2	
1,1-Dichloroethene	**16400**	ug/L	200	200		06/12/14 02:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	200	200		06/12/14 02:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	200		06/12/14 02:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	200	200		06/12/14 02:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	200	200		06/12/14 02:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	200		06/12/14 02:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	200	200		06/12/14 02:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	200		06/12/14 02:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	200		06/12/14 02:18	10061-02-6	
Diisopropyl ether	ND	ug/L	200	200		06/12/14 02:18	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	30000	200		06/12/14 02:18	123-91-1	
Ethylbenzene	ND	ug/L	200	200		06/12/14 02:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	200	200		06/12/14 02:18	87-68-3	
2-Hexanone	ND	ug/L	1000	200		06/12/14 02:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	200	200		06/12/14 02:18	99-87-6	
Methylene Chloride	ND	ug/L	400	200		06/12/14 02:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	200		06/12/14 02:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	200		06/12/14 02:18	1634-04-4	
Naphthalene	ND	ug/L	200	200		06/12/14 02:18	91-20-3	
Styrene	ND	ug/L	200	200		06/12/14 02:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	200	200		06/12/14 02:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	200	200		06/12/14 02:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-16 **Lab ID: 92204350001** Collected: 06/04/14 09:55 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	200	200		06/12/14 02:18	127-18-4	
Toluene	ND	ug/L	200	200		06/12/14 02:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	200		06/12/14 02:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	200		06/12/14 02:18	120-82-1	
1,1,1-Trichloroethane	**30500**	ug/L	200	200		06/12/14 02:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	200	200		06/12/14 02:18	79-00-5	
Trichloroethene	**213**	ug/L	200	200		06/12/14 02:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	200	200		06/12/14 02:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	200		06/12/14 02:18	96-18-4	
Vinyl acetate	ND	ug/L	400	200		06/12/14 02:18	108-05-4	
Vinyl chloride	ND	ug/L	200	200		06/12/14 02:18	75-01-4	
Xylene (Total)	ND	ug/L	400	200		06/12/14 02:18	1330-20-7	
m&p-Xylene	ND	ug/L	400	200		06/12/14 02:18	179601-23-1	
o-Xylene	ND	ug/L	200	200		06/12/14 02:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	200		06/12/14 02:18	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	200		06/12/14 02:18	17060-07-0	
Toluene-d8 (S)	98	%	70-130	200		06/12/14 02:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**1570**	ug/L	50.0	25		06/11/14 17:09	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	147	%	50-150	10		06/11/14 00:22	17060-07-0	
Toluene-d8 (S)	92	%	50-150	10		06/11/14 00:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-02 **Lab ID: 92204350002** Collected: 06/04/14 11:23 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		06/12/14 02:34	67-64-1	
Benzene	ND	ug/L	5.0	5		06/12/14 02:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		06/12/14 02:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		06/12/14 02:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		06/12/14 02:34	75-27-4	
Bromoform	ND	ug/L	5.0	5		06/12/14 02:34	75-25-2	
Bromomethane	ND	ug/L	10.0	5		06/12/14 02:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	5		06/12/14 02:34	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	5		06/12/14 02:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	108-90-7	
Chloroethane	**28.7**	ug/L	5.0	5		06/12/14 02:34	75-00-3	
Chloroform	ND	ug/L	5.0	5		06/12/14 02:34	67-66-3	
Chloromethane	ND	ug/L	5.0	5		06/12/14 02:34	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		06/12/14 02:34	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		06/12/14 02:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		06/12/14 02:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		06/12/14 02:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		06/12/14 02:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	5		06/12/14 02:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		06/12/14 02:34	75-71-8	
1,1-Dichloroethane	**643**	ug/L	5.0	5		06/12/14 02:34	75-34-3	
1,2-Dichloroethane	**8.5**	ug/L	5.0	5		06/12/14 02:34	107-06-2	
1,1-Dichloroethene	**678**	ug/L	5.0	5		06/12/14 02:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		06/12/14 02:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		06/12/14 02:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	5		06/12/14 02:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		06/12/14 02:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	5		06/12/14 02:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		06/12/14 02:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		06/12/14 02:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		06/12/14 02:34	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	5		06/12/14 02:34	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	750	5		06/12/14 02:34	123-91-1	
Ethylbenzene	ND	ug/L	5.0	5		06/12/14 02:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		06/12/14 02:34	87-68-3	
2-Hexanone	ND	ug/L	25.0	5		06/12/14 02:34	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	5		06/12/14 02:34	99-87-6	
Methylene Chloride	**16.3**	ug/L	10.0	5		06/12/14 02:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		06/12/14 02:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		06/12/14 02:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	5		06/12/14 02:34	91-20-3	
Styrene	ND	ug/L	5.0	5		06/12/14 02:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		06/12/14 02:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		06/12/14 02:34	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-02 **Lab ID: 92204350002** Collected: 06/04/14 11:23 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	5		06/12/14 02:34	127-18-4	
Toluene	ND	ug/L	5.0	5		06/12/14 02:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		06/12/14 02:34	120-82-1	
1,1,1-Trichloroethane	**599**	ug/L	5.0	5		06/12/14 02:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		06/12/14 02:34	79-00-5	
Trichloroethene	**11.2**	ug/L	5.0	5		06/12/14 02:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		06/12/14 02:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	5		06/12/14 02:34	96-18-4	
Vinyl acetate	ND	ug/L	10.0	5		06/12/14 02:34	108-05-4	
Vinyl chloride	ND	ug/L	5.0	5		06/12/14 02:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5		06/12/14 02:34	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		06/12/14 02:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		06/12/14 02:34	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	5		06/12/14 02:34	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	5		06/12/14 02:34	17060-07-0	
Toluene-d8 (S)	98	%	70-130	5		06/12/14 02:34	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**629**	ug/L	20.0	10		06/11/14 18:14	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	127	%	50-150	10		06/11/14 18:14	17060-07-0	
Toluene-d8 (S)	78	%	50-150	10		06/11/14 18:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-14 **Lab ID: 92204350003** Collected: 06/04/14 11:35 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/11/14 23:33	67-64-1	
Benzene	ND	ug/L	1.0	1		06/11/14 23:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/11/14 23:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/11/14 23:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/11/14 23:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/11/14 23:33	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/11/14 23:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/11/14 23:33	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/11/14 23:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/11/14 23:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/11/14 23:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/11/14 23:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/11/14 23:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/11/14 23:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/11/14 23:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/11/14 23:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/11/14 23:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/11/14 23:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/11/14 23:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/11/14 23:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/11/14 23:33	107-06-2	
1,1-Dichloroethene	**2.2**	ug/L	1.0	1		06/11/14 23:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/14 23:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/14 23:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/11/14 23:33	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/11/14 23:33	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/11/14 23:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/11/14 23:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/11/14 23:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/11/14 23:33	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/11/14 23:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/11/14 23:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/11/14 23:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/11/14 23:33	91-20-3	
Styrene	ND	ug/L	1.0	1		06/11/14 23:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/14 23:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/14 23:33	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-14 **Lab ID: 92204350003** Collected: 06/04/14 11:35 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/11/14 23:33	127-18-4	
Toluene	ND	ug/L	1.0	1		06/11/14 23:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/11/14 23:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/11/14 23:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/11/14 23:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/11/14 23:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/11/14 23:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/11/14 23:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/11/14 23:33	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/11/14 23:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/11/14 23:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/11/14 23:33	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/11/14 23:33	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		06/11/14 23:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/11/14 23:33	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**3.3**	ug/L	2.0	1		06/11/14 01:04	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	126	%	50-150	1		06/11/14 01:04	17060-07-0	
Toluene-d8 (S)	91	%	50-150	1		06/11/14 01:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-2D **Lab ID: 92204350004** Collected: 06/04/14 11:45 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 01:12	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 01:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 01:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 01:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 01:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 01:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 01:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 01:12	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 01:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 01:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 01:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 01:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 01:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 01:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 01:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 01:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 01:12	75-71-8	
1,1-Dichloroethane	**19.7**	ug/L	1.0	1		06/12/14 01:12	75-34-3	
1,2-Dichloroethane	**1.8**	ug/L	1.0	1		06/12/14 01:12	107-06-2	
1,1-Dichloroethene	**166**	ug/L	1.0	1		06/12/14 01:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 01:12	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 01:12	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 01:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 01:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 01:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 01:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 01:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 01:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 01:12	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 01:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:12	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-2D **Lab ID: 92204350004** Collected: 06/04/14 11:45 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 01:12	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 01:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:12	120-82-1	
1,1,1-Trichloroethane	**26.9**	ug/L	1.0	1		06/12/14 01:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 01:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 01:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 01:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 01:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 01:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 01:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 01:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 01:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 01:12	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/12/14 01:12	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		06/12/14 01:12	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/12/14 01:12	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**121**	ug/L	5.0	2.5		06/11/14 17:31	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	125	%	50-150	2.5		06/11/14 17:31	17060-07-0	
Toluene-d8 (S)	80	%	50-150	2.5		06/11/14 17:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-18 **Lab ID: 92204350005** Collected: 06/04/14 14:45 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/11/14 23:49	67-64-1	
Benzene	ND	ug/L	1.0	1		06/11/14 23:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/11/14 23:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/11/14 23:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/11/14 23:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/11/14 23:49	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/11/14 23:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/11/14 23:49	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/11/14 23:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/11/14 23:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/11/14 23:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/11/14 23:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/11/14 23:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/11/14 23:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/11/14 23:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/11/14 23:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/11/14 23:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/11/14 23:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/11/14 23:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/11/14 23:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/11/14 23:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/11/14 23:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/14 23:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/11/14 23:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/11/14 23:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/11/14 23:49	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/11/14 23:49	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/11/14 23:49	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/11/14 23:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/11/14 23:49	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/11/14 23:49	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/11/14 23:49	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/11/14 23:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/11/14 23:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/11/14 23:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/11/14 23:49	91-20-3	
Styrene	ND	ug/L	1.0	1		06/11/14 23:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/14 23:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/11/14 23:49	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-18 **Lab ID: 92204350005** Collected: 06/04/14 14:45 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/11/14 23:49	127-18-4	
Toluene	ND	ug/L	1.0	1		06/11/14 23:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/11/14 23:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/11/14 23:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/11/14 23:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/11/14 23:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/11/14 23:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/11/14 23:49	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/11/14 23:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/11/14 23:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/11/14 23:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/11/14 23:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/11/14 23:49	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/11/14 23:49	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		06/11/14 23:49	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/11/14 23:49	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**4.6**	ug/L	2.0	1		06/11/14 18:35	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	127	%	50-150	1		06/11/14 18:35	17060-07-0	
Toluene-d8 (S)	77	%	50-150	1		06/11/14 18:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-17D **Lab ID: 92204350006** Collected: 06/04/14 14:50 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	250	10		06/13/14 00:23	67-64-1	
Benzene	ND	ug/L	10.0	10		06/13/14 00:23	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		06/13/14 00:23	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		06/13/14 00:23	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		06/13/14 00:23	75-27-4	
Bromoform	ND	ug/L	10.0	10		06/13/14 00:23	75-25-2	
Bromomethane	ND	ug/L	20.0	10		06/13/14 00:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	10		06/13/14 00:23	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	10		06/13/14 00:23	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	108-90-7	
Chloroethane	ND	ug/L	10.0	10		06/13/14 00:23	75-00-3	
Chloroform	ND	ug/L	10.0	10		06/13/14 00:23	67-66-3	
Chloromethane	ND	ug/L	10.0	10		06/13/14 00:23	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		06/13/14 00:23	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		06/13/14 00:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	10		06/13/14 00:23	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		06/13/14 00:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		06/13/14 00:23	106-93-4	
Dibromomethane	ND	ug/L	10.0	10		06/13/14 00:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		06/13/14 00:23	75-71-8	
1,1-Dichloroethane	**143**	ug/L	10.0	10		06/13/14 00:23	75-34-3	
1,2-Dichloroethane	**10.2**	ug/L	10.0	10		06/13/14 00:23	107-06-2	
1,1-Dichloroethene	**1260**	ug/L	10.0	10		06/13/14 00:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		06/13/14 00:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		06/13/14 00:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	10		06/13/14 00:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		06/13/14 00:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	10		06/13/14 00:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		06/13/14 00:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	10		06/13/14 00:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	10		06/13/14 00:23	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	10		06/13/14 00:23	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	10		06/13/14 00:23	123-91-1	
Ethylbenzene	ND	ug/L	10.0	10		06/13/14 00:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		06/13/14 00:23	87-68-3	
2-Hexanone	ND	ug/L	50.0	10		06/13/14 00:23	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	10		06/13/14 00:23	99-87-6	
Methylene Chloride	ND	ug/L	20.0	10		06/13/14 00:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		06/13/14 00:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		06/13/14 00:23	1634-04-4	
Naphthalene	ND	ug/L	10.0	10		06/13/14 00:23	91-20-3	
Styrene	ND	ug/L	10.0	10		06/13/14 00:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		06/13/14 00:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		06/13/14 00:23	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-17D **Lab ID: 92204350006** Collected: 06/04/14 14:50 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	10.0	10		06/13/14 00:23	127-18-4	
Toluene	ND	ug/L	10.0	10		06/13/14 00:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		06/13/14 00:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		06/13/14 00:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		06/13/14 00:23	79-00-5	
Trichloroethene	ND	ug/L	10.0	10		06/13/14 00:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		06/13/14 00:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	10		06/13/14 00:23	96-18-4	
Vinyl acetate	ND	ug/L	20.0	10		06/13/14 00:23	108-05-4	
Vinyl chloride	ND	ug/L	10.0	10		06/13/14 00:23	75-01-4	
Xylene (Total)	ND	ug/L	20.0	10		06/13/14 00:23	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		06/13/14 00:23	179601-23-1	
o-Xylene	ND	ug/L	10.0	10		06/13/14 00:23	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	10		06/13/14 00:23	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	10		06/13/14 00:23	17060-07-0	
Toluene-d8 (S)	98	%	70-130	10		06/13/14 00:23	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**435**	ug/L	20.0	10		06/14/14 12:23	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	119	%	50-150	1		06/11/14 18:57	17060-07-0	
Toluene-d8 (S)	77	%	50-150	1		06/11/14 18:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-17 **Lab ID: 92204350007** Collected: 06/04/14 15:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 00:06	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 00:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 00:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 00:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 00:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 00:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 00:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 00:06	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 00:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 00:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 00:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 00:06	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:06	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 00:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 00:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 00:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 00:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 00:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:06	107-06-2	
1,1-Dichloroethene	**2.4**	ug/L	1.0	1		06/12/14 00:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:06	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 00:06	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 00:06	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 00:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 00:06	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 00:06	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 00:06	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 00:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 00:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 00:06	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 00:06	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 00:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:06	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-17 **Lab ID: 92204350007** Collected: 06/04/14 15:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 00:06	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 00:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 00:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 00:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 00:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 00:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 00:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 00:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 00:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 00:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		06/12/14 00:06	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		06/12/14 00:06	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 00:06	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**34.3**	ug/L	2.0	1		06/11/14 19:18	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	119	%	50-150	1		06/11/14 19:18	17060-07-0	
Toluene-d8 (S)	76	%	50-150	1		06/11/14 19:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-38 **Lab ID: 92204350008** Collected: 06/04/14 16:10 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 23:34	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 23:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 23:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 23:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 23:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 23:34	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 23:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 23:34	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 23:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 23:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 23:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 23:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 23:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 23:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 23:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 23:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 23:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 23:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 23:34	75-71-8	
1,1-Dichloroethane	**9.5**	ug/L	1.0	1		06/12/14 23:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 23:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/12/14 23:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 23:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 23:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 23:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 23:34	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 23:34	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 23:34	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 23:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 23:34	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 23:34	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 23:34	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 23:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 23:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 23:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 23:34	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 23:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 23:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 23:34	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-38 **Lab ID: 92204350008** Collected: 06/04/14 16:10 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 23:34	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 23:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 23:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/12/14 23:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 23:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 23:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 23:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 23:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 23:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 23:34	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 23:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 23:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 23:34	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	1		06/12/14 23:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/12/14 23:34	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 23:34	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**51.8**	ug/L	2.0	1		06/11/14 19:40	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	129	%	50-150	1		06/11/14 19:40	17060-07-0	
Toluene-d8 (S)	76	%	50-150	1		06/11/14 19:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: EB-060414 **Lab ID: 92204350009** Collected: 06/04/14 16:30 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 00:22	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 00:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 00:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 00:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 00:22	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 00:22	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 00:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 00:22	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 00:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 00:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 00:22	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 00:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 00:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 00:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 00:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 00:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 00:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:22	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 00:22	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 00:22	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 00:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 00:22	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 00:22	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 00:22	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 00:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 00:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 00:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 00:22	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 00:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:22	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: EB-060414 **Lab ID: 92204350009** Collected: 06/04/14 16:30 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 00:22	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 00:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 00:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 00:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 00:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 00:22	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 00:22	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 00:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 00:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 00:22	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/12/14 00:22	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		06/12/14 00:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 00:22	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**9.4**	ug/L	2.0	1		06/11/14 20:01	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	129	%	50-150	1		06/11/14 20:01	17060-07-0	
Toluene-d8 (S)	76	%	50-150	1		06/11/14 20:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-26D **Lab ID: 92204350010** Collected: 06/04/14 16:40 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 00:39	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 00:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 00:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 00:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 00:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 00:39	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 00:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 00:39	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 00:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 00:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 00:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 00:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 00:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 00:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 00:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 00:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 00:39	75-71-8	
1,1-Dichloroethane	**5.2**	ug/L	1.0	1		06/12/14 00:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:39	107-06-2	
1,1-Dichloroethene	**42.4**	ug/L	1.0	1		06/12/14 00:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:39	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 00:39	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 00:39	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 00:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 00:39	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 00:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 00:39	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 00:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 00:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 00:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 00:39	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 00:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:39	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-26D **Lab ID: 92204350010** Collected: 06/04/14 16:40 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 00:39	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 00:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:39	120-82-1	
1,1,1-Trichloroethane	**1.8**	ug/L	1.0	1		06/12/14 00:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 00:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 00:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 00:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 00:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 00:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 00:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 00:39	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		06/12/14 00:39	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		06/12/14 00:39	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 00:39	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**39.8**	ug/L	2.0	1		06/11/14 20:22	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	142	%	50-150	1		06/11/14 20:22	17060-07-0	
Toluene-d8 (S)	75	%	50-150	1		06/11/14 20:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-08 **Lab ID: 92204350011** Collected: 06/04/14 09:55 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 01:28	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 01:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 01:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 01:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 01:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 01:28	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 01:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 01:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 01:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 01:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 01:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 01:28	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 01:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 01:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 01:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 01:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 01:28	75-71-8	
1,1-Dichloroethane	**89.9**	ug/L	1.0	1		06/12/14 01:28	75-34-3	
1,2-Dichloroethane	**1.9**	ug/L	1.0	1		06/12/14 01:28	107-06-2	
1,1-Dichloroethene	**142**	ug/L	1.0	1		06/12/14 01:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 01:28	108-20-3	
1,4-Dioxane (p-Dioxane)	**161**	ug/L	150	1		06/12/14 01:28	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 01:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 01:28	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 01:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 01:28	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 01:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 01:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 01:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 01:28	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 01:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:28	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-08 **Lab ID: 92204350011** Collected: 06/04/14 09:55 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 01:28	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 01:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:28	120-82-1	
1,1,1-Trichloroethane	**3.3**	ug/L	1.0	1		06/12/14 01:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 01:28	79-00-5	
Trichloroethene	**1.6**	ug/L	1.0	1		06/12/14 01:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 01:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 01:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 01:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 01:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 01:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 01:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 01:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/12/14 01:28	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		06/12/14 01:28	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 01:28	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**219**	ug/L	10.0	5		06/11/14 20:44	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	123	%	50-150	5		06/11/14 20:44	17060-07-0	
Toluene-d8 (S)	75	%	50-150	5		06/11/14 20:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-39 **Lab ID: 92204350012** Collected: 06/05/14 09:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 01:45	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 01:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 01:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 01:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 01:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 01:45	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 01:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 01:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 01:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 01:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 01:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 01:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 01:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 01:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 01:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 01:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 01:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 01:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/12/14 01:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 01:45	107-06-2	
1,1-Dichloroethene	**3.2**	ug/L	1.0	1		06/12/14 01:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 01:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 01:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 01:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 01:45	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 01:45	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 01:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 01:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 01:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 01:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 01:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 01:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 01:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 01:45	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 01:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 01:45	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-39 **Lab ID: 92204350012** Collected: 06/05/14 09:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 01:45	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 01:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 01:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/12/14 01:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 01:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 01:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 01:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 01:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 01:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 01:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 01:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 01:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 01:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/12/14 01:45	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		06/12/14 01:45	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		06/12/14 01:45	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**6.3**	ug/L	2.0	1		06/11/14 21:05	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	125	%	50-150	1		06/11/14 21:05	17060-07-0	
Toluene-d8 (S)	74	%	50-150	1		06/11/14 21:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-15 **Lab ID: 92204350013** Collected: 06/05/14 09:20 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	62.5	2.5		06/12/14 03:24	67-64-1	
Benzene	ND	ug/L	2.5	2.5		06/12/14 03:24	71-43-2	
Bromobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	108-86-1	
Bromochloromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	74-97-5	
Bromodichloromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	75-27-4	
Bromoform	ND	ug/L	2.5	2.5		06/12/14 03:24	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5		06/12/14 03:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	12.5	2.5		06/12/14 03:24	78-93-3	
Carbon tetrachloride	ND	ug/L	2.5	2.5		06/12/14 03:24	56-23-5	
Chlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	108-90-7	
Chloroethane	ND	ug/L	2.5	2.5		06/12/14 03:24	75-00-3	
Chloroform	ND	ug/L	2.5	2.5		06/12/14 03:24	67-66-3	
Chloromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	74-87-3	
2-Chlorotoluene	ND	ug/L	2.5	2.5		06/12/14 03:24	95-49-8	
4-Chlorotoluene	ND	ug/L	2.5	2.5		06/12/14 03:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5		06/12/14 03:24	96-12-8	
Dibromochloromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.5	2.5		06/12/14 03:24	106-93-4	
Dibromomethane	ND	ug/L	2.5	2.5		06/12/14 03:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	75-71-8	
1,1-Dichloroethane	**57.0**	ug/L	2.5	2.5		06/12/14 03:24	75-34-3	
1,2-Dichloroethane	**4.4**	ug/L	2.5	2.5		06/12/14 03:24	107-06-2	
1,1-Dichloroethene	**433**	ug/L	10.0	10		06/12/14 14:26	75-35-4	
cis-1,2-Dichloroethene	**5.8**	ug/L	2.5	2.5		06/12/14 03:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.5	2.5		06/12/14 03:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.5	2.5		06/12/14 03:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.5	2.5		06/12/14 03:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.5	2.5		06/12/14 03:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.5	2.5		06/12/14 03:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.5	2.5		06/12/14 03:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	2.5		06/12/14 03:24	10061-02-6	
Diisopropyl ether	ND	ug/L	2.5	2.5		06/12/14 03:24	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	375	2.5		06/12/14 03:24	123-91-1	
Ethylbenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.5	2.5		06/12/14 03:24	87-68-3	
2-Hexanone	ND	ug/L	12.5	2.5		06/12/14 03:24	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.5	2.5		06/12/14 03:24	99-87-6	
Methylene Chloride	**10.2**	ug/L	5.0	2.5		06/12/14 03:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12.5	2.5		06/12/14 03:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.5	2.5		06/12/14 03:24	1634-04-4	
Naphthalene	ND	ug/L	2.5	2.5		06/12/14 03:24	91-20-3	
Styrene	ND	ug/L	2.5	2.5		06/12/14 03:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	2.5		06/12/14 03:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	2.5		06/12/14 03:24	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-15 **Lab ID: 92204350013** Collected: 06/05/14 09:20 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.5	2.5		06/12/14 03:24	127-18-4	
Toluene	ND	ug/L	2.5	2.5		06/12/14 03:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	2.5		06/12/14 03:24	120-82-1	
1,1,1-Trichloroethane	**13.7**	ug/L	2.5	2.5		06/12/14 03:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.5	2.5		06/12/14 03:24	79-00-5	
Trichloroethene	ND	ug/L	2.5	2.5		06/12/14 03:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	2.5		06/12/14 03:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	2.5		06/12/14 03:24	96-18-4	
Vinyl acetate	ND	ug/L	5.0	2.5		06/12/14 03:24	108-05-4	
Vinyl chloride	ND	ug/L	2.5	2.5		06/12/14 03:24	75-01-4	
Xylene (Total)	ND	ug/L	5.0	2.5		06/12/14 03:24	1330-20-7	
m&p-Xylene	ND	ug/L	5.0	2.5		06/12/14 03:24	179601-23-1	
o-Xylene	ND	ug/L	2.5	2.5		06/12/14 03:24	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	2.5		06/12/14 03:24	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	2.5		06/12/14 03:24	17060-07-0	
Toluene-d8 (S)	97	%	70-130	2.5		06/12/14 03:24	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**92.8**	ug/L	4.0	2		06/14/14 13:26	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	50-150	1		06/11/14 21:26	17060-07-0	
Toluene-d8 (S)	75	%	50-150	1		06/11/14 21:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-100 **Lab ID: 92204350014** Collected: 06/05/14 09:50 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		06/13/14 00:39	67-64-1	
Benzene	ND	ug/L	5.0	5		06/13/14 00:39	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		06/13/14 00:39	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		06/13/14 00:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		06/13/14 00:39	75-27-4	
Bromoform	ND	ug/L	5.0	5		06/13/14 00:39	75-25-2	
Bromomethane	ND	ug/L	10.0	5		06/13/14 00:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	5		06/13/14 00:39	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	5		06/13/14 00:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	108-90-7	
Chloroethane	ND	ug/L	5.0	5		06/13/14 00:39	75-00-3	
Chloroform	ND	ug/L	5.0	5		06/13/14 00:39	67-66-3	
Chloromethane	ND	ug/L	5.0	5		06/13/14 00:39	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		06/13/14 00:39	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		06/13/14 00:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		06/13/14 00:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		06/13/14 00:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		06/13/14 00:39	106-93-4	
Dibromomethane	ND	ug/L	5.0	5		06/13/14 00:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		06/13/14 00:39	75-71-8	
1,1-Dichloroethane	**51.3**	ug/L	5.0	5		06/13/14 00:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		06/13/14 00:39	107-06-2	
1,1-Dichloroethene	**545**	ug/L	5.0	5		06/13/14 00:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		06/13/14 00:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		06/13/14 00:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	5		06/13/14 00:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		06/13/14 00:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	5		06/13/14 00:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		06/13/14 00:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		06/13/14 00:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		06/13/14 00:39	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	5		06/13/14 00:39	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	750	5		06/13/14 00:39	123-91-1	
Ethylbenzene	ND	ug/L	5.0	5		06/13/14 00:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		06/13/14 00:39	87-68-3	
2-Hexanone	ND	ug/L	25.0	5		06/13/14 00:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	5		06/13/14 00:39	99-87-6	
Methylene Chloride	ND	ug/L	10.0	5		06/13/14 00:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		06/13/14 00:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		06/13/14 00:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	5		06/13/14 00:39	91-20-3	
Styrene	ND	ug/L	5.0	5		06/13/14 00:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		06/13/14 00:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		06/13/14 00:39	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: MW-100 **Lab ID: 92204350014** Collected: 06/05/14 09:50 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	5		06/13/14 00:39	127-18-4	
Toluene	ND	ug/L	5.0	5		06/13/14 00:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		06/13/14 00:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		06/13/14 00:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		06/13/14 00:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		06/13/14 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		06/13/14 00:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	5		06/13/14 00:39	96-18-4	
Vinyl acetate	ND	ug/L	10.0	5		06/13/14 00:39	108-05-4	
Vinyl chloride	ND	ug/L	5.0	5		06/13/14 00:39	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5		06/13/14 00:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		06/13/14 00:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		06/13/14 00:39	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	5		06/13/14 00:39	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	5		06/13/14 00:39	17060-07-0	
Toluene-d8 (S)	97	%	70-130	5		06/13/14 00:39	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**117**	ug/L	4.0	2		06/14/14 13:48	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	120	%	50-150	1		06/11/14 21:47	17060-07-0	
Toluene-d8 (S)	75	%	50-150	1		06/11/14 21:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: TRIP BLANK **Lab ID: 92204350015** Collected: 06/05/14 00:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/12/14 00:55	67-64-1	
Benzene	ND	ug/L	1.0	1		06/12/14 00:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/12/14 00:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/12/14 00:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/12/14 00:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/12/14 00:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/12/14 00:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/12/14 00:55	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/12/14 00:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/12/14 00:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/12/14 00:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/12/14 00:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/12/14 00:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/12/14 00:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/12/14 00:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/12/14 00:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/12/14 00:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/12/14 00:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/12/14 00:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/12/14 00:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/12/14 00:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/12/14 00:55	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/12/14 00:55	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		06/12/14 00:55	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		06/12/14 00:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/12/14 00:55	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/12/14 00:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/12/14 00:55	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/12/14 00:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/12/14 00:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/12/14 00:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/12/14 00:55	91-20-3	
Styrene	ND	ug/L	1.0	1		06/12/14 00:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/12/14 00:55	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Sample: TRIP BLANK **Lab ID: 92204350015** Collected: 06/05/14 00:00 Received: 06/06/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		06/12/14 00:55	127-18-4	
Toluene	ND	ug/L	1.0	1		06/12/14 00:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/12/14 00:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/12/14 00:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/12/14 00:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/12/14 00:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/12/14 00:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/12/14 00:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/12/14 00:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/12/14 00:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/12/14 00:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/12/14 00:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/12/14 00:55	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		06/12/14 00:55	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/12/14 00:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

QC Batch: MSV/27159 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92204350001, 92204350002, 92204350003, 92204350004, 92204350005, 92204350007, 92204350009, 92204350010, 92204350011, 92204350012, 92204350013, 92204350015

METHOD BLANK: 1218028 Matrix: Water
Associated Lab Samples: 92204350001, 92204350002, 92204350003, 92204350004, 92204350005, 92204350007, 92204350009, 92204350010, 92204350011, 92204350012, 92204350013, 92204350015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,1-Dichloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,1-Dichloroethene	ug/L	ND	1.0	06/11/14 17:30	
1,1-Dichloropropene	ug/L	ND	1.0	06/11/14 17:30	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/11/14 17:30	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/11/14 17:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/11/14 17:30	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
1,2-Dichloroethane	ug/L	ND	1.0	06/11/14 17:30	
1,2-Dichloropropane	ug/L	ND	1.0	06/11/14 17:30	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
1,3-Dichloropropane	ug/L	ND	1.0	06/11/14 17:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/11/14 17:30	
2,2-Dichloropropane	ug/L	ND	1.0	06/11/14 17:30	
2-Butanone (MEK)	ug/L	ND	5.0	06/11/14 17:30	
2-Chlorotoluene	ug/L	ND	1.0	06/11/14 17:30	
2-Hexanone	ug/L	ND	5.0	06/11/14 17:30	
4-Chlorotoluene	ug/L	ND	1.0	06/11/14 17:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/11/14 17:30	
Acetone	ug/L	ND	25.0	06/11/14 17:30	
Benzene	ug/L	ND	1.0	06/11/14 17:30	
Bromobenzene	ug/L	ND	1.0	06/11/14 17:30	
Bromochloromethane	ug/L	ND	1.0	06/11/14 17:30	
Bromodichloromethane	ug/L	ND	1.0	06/11/14 17:30	
Bromoform	ug/L	ND	1.0	06/11/14 17:30	
Bromomethane	ug/L	ND	2.0	06/11/14 17:30	
Carbon tetrachloride	ug/L	ND	1.0	06/11/14 17:30	
Chlorobenzene	ug/L	ND	1.0	06/11/14 17:30	
Chloroethane	ug/L	ND	1.0	06/11/14 17:30	
Chloroform	ug/L	ND	1.0	06/11/14 17:30	
Chloromethane	ug/L	ND	1.0	06/11/14 17:30	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/11/14 17:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/11/14 17:30	
Dibromochloromethane	ug/L	ND	1.0	06/11/14 17:30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

METHOD BLANK: 1218028 Matrix: Water

Associated Lab Samples: 92204350001, 92204350002, 92204350003, 92204350004, 92204350005, 92204350007, 92204350009, 92204350010, 92204350011, 92204350012, 92204350013, 92204350015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	1.0	06/11/14 17:30	
Dichlorodifluoromethane	ug/L	ND	1.0	06/11/14 17:30	
Diisopropyl ether	ug/L	ND	1.0	06/11/14 17:30	
Ethylbenzene	ug/L	ND	1.0	06/11/14 17:30	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/11/14 17:30	
m&p-Xylene	ug/L	ND	2.0	06/11/14 17:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/11/14 17:30	
Methylene Chloride	ug/L	ND	2.0	06/11/14 17:30	
Naphthalene	ug/L	ND	1.0	06/11/14 17:30	
o-Xylene	ug/L	ND	1.0	06/11/14 17:30	
p-Isopropyltoluene	ug/L	ND	1.0	06/11/14 17:30	
Styrene	ug/L	ND	1.0	06/11/14 17:30	
Tetrachloroethene	ug/L	ND	1.0	06/11/14 17:30	
Toluene	ug/L	ND	1.0	06/11/14 17:30	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/11/14 17:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/11/14 17:30	
Trichloroethene	ug/L	ND	1.0	06/11/14 17:30	
Trichlorofluoromethane	ug/L	ND	1.0	06/11/14 17:30	
Vinyl acetate	ug/L	ND	2.0	06/11/14 17:30	
Vinyl chloride	ug/L	ND	1.0	06/11/14 17:30	
Xylene (Total)	ug/L	ND	2.0	06/11/14 17:30	
1,2-Dichloroethane-d4 (S)	%	90	70-130	06/11/14 17:30	
4-Bromofluorobenzene (S)	%	98	70-130	06/11/14 17:30	
Toluene-d8 (S)	%	98	70-130	06/11/14 17:30	

LABORATORY CONTROL SAMPLE: 1218029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.9	96	70-130	
1,1,1-Trichloroethane	ug/L	50	48.1	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	70-130	
1,1,2-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethane	ug/L	50	43.7	87	70-130	
1,1-Dichloroethene	ug/L	50	49.1	98	70-132	
1,1-Dichloropropene	ug/L	50	52.7	105	70-130	
1,2,3-Trichlorobenzene	ug/L	50	55.6	111	70-135	
1,2,3-Trichloropropane	ug/L	50	49.4	99	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.0	106	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	48.2	96	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.0	98	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	43.3	87	70-130	
1,2-Dichloropropane	ug/L	50	47.8	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

LABORATORY CONTROL SAMPLE: 1218029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,3-Dichloropropane	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1100	110	71-125	
2,2-Dichloropropane	ug/L	50	47.7	95	58-145	
2-Butanone (MEK)	ug/L	100	89.7	90	70-145	
2-Chlorotoluene	ug/L	50	49.7	99	70-130	
2-Hexanone	ug/L	100	97.6	98	70-144	
4-Chlorotoluene	ug/L	50	48.2	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.2	95	70-140	
Acetone	ug/L	100	87.7	88	50-175	
Benzene	ug/L	50	52.3	105	70-130	
Bromobenzene	ug/L	50	48.7	97	70-130	
Bromochloromethane	ug/L	50	45.4	91	70-130	
Bromodichloromethane	ug/L	50	49.4	99	70-130	
Bromoform	ug/L	50	49.9	100	70-130	
Bromomethane	ug/L	50	56.1	112	54-130	
Carbon tetrachloride	ug/L	50	51.5	103	70-132	
Chlorobenzene	ug/L	50	48.9	98	70-130	
Chloroethane	ug/L	50	50.5	101	64-134	
Chloroform	ug/L	50	49.3	99	70-130	
Chloromethane	ug/L	50	46.3	93	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.1	98	70-131	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	50.1	100	70-130	
Dibromomethane	ug/L	50	49.2	98	70-131	
Dichlorodifluoromethane	ug/L	50	55.7	111	56-130	
Diisopropyl ether	ug/L	50	44.8	90	70-130	
Ethylbenzene	ug/L	50	48.2	96	70-130	
Hexachloro-1,3-butadiene	ug/L	50	56.3	113	70-130	
m&p-Xylene	ug/L	100	98.0	98	70-130	
Methyl-tert-butyl ether	ug/L	50	48.5	97	70-130	
Methylene Chloride	ug/L	50	45.1	90	63-130	
Naphthalene	ug/L	50	53.0	106	70-138	
o-Xylene	ug/L	50	49.2	98	70-130	
p-Isopropyltoluene	ug/L	50	50.9	102	70-130	
Styrene	ug/L	50	51.4	103	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	49.2	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.9	96	70-132	
Trichloroethene	ug/L	50	49.4	99	70-130	
Trichlorofluoromethane	ug/L	50	48.3	97	62-133	
Vinyl acetate	ug/L	100	95.3	95	66-157	
Vinyl chloride	ug/L	50	56.4	113	50-150	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

LABORATORY CONTROL SAMPLE: 1218029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1219996 1219997

Parameter	Units	92204350003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	2.2	50	50	57.6	61.5	111	119	70-166	6	30	
Benzene	ug/L	ND	50	50	56.4	62.0	113	124	70-148	9	30	
Chlorobenzene	ug/L	ND	50	50	54.6	62.3	109	125	70-146	13	30	
Toluene	ug/L	ND	50	50	50.5	56.0	101	112	70-155	10	30	
Trichloroethene	ug/L	ND	50	50	58.1	64.8	116	130	69-151	11	30	
1,2-Dichloroethane-d4 (S)	%						97	101	70-130			
4-Bromofluorobenzene (S)	%						99	101	70-130			
Toluene-d8 (S)	%						99	96	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

QC Batch: MSV/27193 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92204350006, 92204350008, 92204350014

METHOD BLANK: 1220054 Matrix: Water
Associated Lab Samples: 92204350006, 92204350008, 92204350014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
1,1-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/12/14 15:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichloroethane	ug/L	ND	1.0	06/12/14 15:43	
1,2-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,3-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	06/12/14 15:43	
2,2-Dichloropropane	ug/L	ND	1.0	06/12/14 15:43	
2-Butanone (MEK)	ug/L	ND	5.0	06/12/14 15:43	
2-Chlorotoluene	ug/L	ND	1.0	06/12/14 15:43	
2-Hexanone	ug/L	ND	5.0	06/12/14 15:43	
4-Chlorotoluene	ug/L	ND	1.0	06/12/14 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/12/14 15:43	
Acetone	ug/L	ND	25.0	06/12/14 15:43	
Benzene	ug/L	ND	1.0	06/12/14 15:43	
Bromobenzene	ug/L	ND	1.0	06/12/14 15:43	
Bromochloromethane	ug/L	ND	1.0	06/12/14 15:43	
Bromodichloromethane	ug/L	ND	1.0	06/12/14 15:43	
Bromoform	ug/L	ND	1.0	06/12/14 15:43	
Bromomethane	ug/L	ND	2.0	06/12/14 15:43	
Carbon tetrachloride	ug/L	ND	1.0	06/12/14 15:43	
Chlorobenzene	ug/L	ND	1.0	06/12/14 15:43	
Chloroethane	ug/L	ND	1.0	06/12/14 15:43	
Chloroform	ug/L	ND	1.0	06/12/14 15:43	
Chloromethane	ug/L	ND	1.0	06/12/14 15:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
Dibromochloromethane	ug/L	ND	1.0	06/12/14 15:43	
Dibromomethane	ug/L	ND	1.0	06/12/14 15:43	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

METHOD BLANK: 1220054 Matrix: Water
Associated Lab Samples: 92204350006, 92204350008, 92204350014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/12/14 15:43	
Diisopropyl ether	ug/L	ND	1.0	06/12/14 15:43	
Ethylbenzene	ug/L	ND	1.0	06/12/14 15:43	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/12/14 15:43	
m&p-Xylene	ug/L	ND	2.0	06/12/14 15:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/12/14 15:43	
Methylene Chloride	ug/L	ND	2.0	06/12/14 15:43	
Naphthalene	ug/L	ND	1.0	06/12/14 15:43	
o-Xylene	ug/L	ND	1.0	06/12/14 15:43	
p-Isopropyltoluene	ug/L	ND	1.0	06/12/14 15:43	
Styrene	ug/L	ND	1.0	06/12/14 15:43	
Tetrachloroethene	ug/L	ND	1.0	06/12/14 15:43	
Toluene	ug/L	ND	1.0	06/12/14 15:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/12/14 15:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/12/14 15:43	
Trichloroethene	ug/L	ND	1.0	06/12/14 15:43	
Trichlorofluoromethane	ug/L	ND	1.0	06/12/14 15:43	
Vinyl acetate	ug/L	ND	2.0	06/12/14 15:43	
Vinyl chloride	ug/L	ND	1.0	06/12/14 15:43	
Xylene (Total)	ug/L	ND	2.0	06/12/14 15:43	
1,2-Dichloroethane-d4 (S)	%	99	70-130	06/12/14 15:43	
4-Bromofluorobenzene (S)	%	101	70-130	06/12/14 15:43	
Toluene-d8 (S)	%	97	70-130	06/12/14 15:43	

LABORATORY CONTROL SAMPLE: 1220055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,1-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.2	106	70-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethene	ug/L	50	55.4	111	70-132	
1,1-Dichloropropene	ug/L	50	49.9	100	70-130	
1,2,3-Trichlorobenzene	ug/L	50	56.9	114	70-135	
1,2,3-Trichloropropane	ug/L	50	56.3	113	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.7	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.7	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	56.9	114	70-130	
1,2-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,2-Dichloroethane	ug/L	50	56.6	113	70-130	
1,2-Dichloropropane	ug/L	50	52.4	105	70-130	
1,3-Dichlorobenzene	ug/L	50	53.9	108	70-130	
1,3-Dichloropropane	ug/L	50	54.7	109	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

LABORATORY CONTROL SAMPLE: 1220055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1220	122	71-125	
2,2-Dichloropropane	ug/L	50	56.5	113	58-145	
2-Butanone (MEK)	ug/L	100	112	112	70-145	
2-Chlorotoluene	ug/L	50	50.7	101	70-130	
2-Hexanone	ug/L	100	114	114	70-144	
4-Chlorotoluene	ug/L	50	51.8	104	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	116	116	70-140	
Acetone	ug/L	100	108	108	50-175	
Benzene	ug/L	50	54.3	109	70-130	
Bromobenzene	ug/L	50	54.0	108	70-130	
Bromochloromethane	ug/L	50	55.4	111	70-130	
Bromodichloromethane	ug/L	50	52.4	105	70-130	
Bromoform	ug/L	50	50.3	101	70-130	
Bromomethane	ug/L	50	47.7	95	54-130	
Carbon tetrachloride	ug/L	50	62.2	124	70-132	
Chlorobenzene	ug/L	50	54.6	109	70-130	
Chloroethane	ug/L	50	48.6	97	64-134	
Chloroform	ug/L	50	56.2	112	70-130	
Chloromethane	ug/L	50	48.6	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.9	114	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.6	113	70-130	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dibromomethane	ug/L	50	55.3	111	70-131	
Dichlorodifluoromethane	ug/L	50	58.7	117	56-130	
Diisopropyl ether	ug/L	50	53.2	106	70-130	
Ethylbenzene	ug/L	50	52.8	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.4	115	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	57.5	115	70-130	
Methylene Chloride	ug/L	50	50.7	101	63-130	
Naphthalene	ug/L	50	57.0	114	70-138	
o-Xylene	ug/L	50	55.3	111	70-130	
p-Isopropyltoluene	ug/L	50	54.0	108	70-130	
Styrene	ug/L	50	56.6	113	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	52.0	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	70-132	
Trichloroethene	ug/L	50	52.6	105	70-130	
Trichlorofluoromethane	ug/L	50	52.8	106	62-133	
Vinyl acetate	ug/L	100	122	122	66-157	
Vinyl chloride	ug/L	50	48.4	97	50-150	
Xylene (Total)	ug/L	150	164	110	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221089 1221090

Parameter	Units	92204835005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	49.5	47.5	99	95	70-166	4	30	
Benzene	ug/L	ND	50	50	52.7	50.8	105	102	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	50.1	49.5	100	99	70-146	1	30	
Toluene	ug/L	ND	50	50	48.6	47.1	97	94	70-155	3	30	
Trichloroethene	ug/L	ND	50	50	55.0	54.2	110	108	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						95	94	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						97	98	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

QC Batch: MSV/27156 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92204350001, 92204350003

METHOD BLANK: 1217849 Matrix: Water
Associated Lab Samples: 92204350001, 92204350003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	06/10/14 15:07	
1,2-Dichloroethane-d4 (S)	%	104	50-150	06/10/14 15:07	
Toluene-d8 (S)	%	97	50-150	06/10/14 15:07	

LABORATORY CONTROL SAMPLE: 1217850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	19.8	99	71-125	
1,2-Dichloroethane-d4 (S)	%			97	50-150	
Toluene-d8 (S)	%			98	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1218878 1218879

Parameter	Units	92204272001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	20.2	19.6	101	98	50-150	3	30	
1,2-Dichloroethane-d4 (S)	%						123	116	50-150		150	
Toluene-d8 (S)	%						82	81	50-150		150	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

QC Batch: MSV/27175 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92204350002, 92204350004, 92204350005, 92204350006, 92204350007, 92204350008, 92204350009, 92204350010, 92204350011, 92204350012, 92204350013, 92204350014

METHOD BLANK: 1219010 Matrix: Water
Associated Lab Samples: 92204350002, 92204350004, 92204350005, 92204350006, 92204350007, 92204350008, 92204350009, 92204350010, 92204350011, 92204350012, 92204350013, 92204350014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	06/11/14 15:20	
1,2-Dichloroethane-d4 (S)	%	117	50-150	06/11/14 15:20	
Toluene-d8 (S)	%	86	50-150	06/11/14 15:20	

LABORATORY CONTROL SAMPLE: 1219011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	19.9	99	71-125	
1,2-Dichloroethane-d4 (S)	%			103	50-150	
Toluene-d8 (S)	%			89	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221816 1221817

Parameter	Units	92204350009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	9.4	20	20	20.1	18.1	53	43	50-150	11	30	M0
1,2-Dichloroethane-d4 (S)	%						124	120	50-150		150	
Toluene-d8 (S)	%						73	74	50-150		150	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3705/20 KOP FLEX HANOVER MD
Pace Project No.: 92204350

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92204350001	**MW-16**	EPA 8260	MSV/27159		
92204350002	**MW-02**	EPA 8260	MSV/27159		
92204350003	**MW-14**	EPA 8260	MSV/27159		
92204350004	**MW-2D**	EPA 8260	MSV/27159		
92204350005	**MW-18**	EPA 8260	MSV/27159		
92204350006	**MW-17D**	EPA 8260	MSV/27193		
92204350007	**MW-17**	EPA 8260	MSV/27159		
92204350008	**MW-38**	EPA 8260	MSV/27193		
92204350009	**EB-060414**	EPA 8260	MSV/27159		
92204350010	**MW-26D**	EPA 8260	MSV/27159		
92204350011	**MW-08**	EPA 8260	MSV/27159		
92204350012	**MW-39**	EPA 8260	MSV/27159		
92204350013	**MW-15**	EPA 8260	MSV/27159		
92204350014	**MW-100**	EPA 8260	MSV/27193		
92204350015	**TRIP BLANK**	EPA 8260	MSV/27159		
92204350001	**MW-16**	EPA 8260B Mod.	MSV/27156		
92204350002	**MW-02**	EPA 8260B Mod.	MSV/27175		
92204350003	**MW-14**	EPA 8260B Mod.	MSV/27156		
92204350004	**MW-2D**	EPA 8260B Mod.	MSV/27175		
92204350005	**MW-18**	EPA 8260B Mod.	MSV/27175		
92204350006	**MW-17D**	EPA 8260B Mod.	MSV/27175		
92204350007	**MW-17**	EPA 8260B Mod.	MSV/27175		
92204350008	**MW-38**	EPA 8260B Mod.	MSV/27175		
92204350009	**EB-060414**	EPA 8260B Mod.	MSV/27175		
92204350010	**MW-26D**	EPA 8260B Mod.	MSV/27175		
92204350011	**MW-08**	EPA 8260B Mod.	MSV/27175		
92204350012	**MW-39**	EPA 8260B Mod.	MSV/27175		
92204350013	**MW-15**	EPA 8260B Mod.	MSV/27175		
92204350014	**MW-100**	EPA 8260B Mod.	MSV/27175		

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: April 07. 2014 Page 1 of 2
	Document Number: **F-CHR-CS-003-rev.14**	Issuing Authority: Pace Huntersville Quality Office

Client Name: WSP Environment & Energy

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1401 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 3.6 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: JS 6/6/14

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16. No date or time on COC or bottle
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

SCURF Review: UL Date: 6/6/14

SRF Review: JS Date: 6/9/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO# : 92204350

92204350

CHAIN OF CUSTODY RECORD

Project Number:	Site and Location:
370528	Hanover, MD
Contact Name:	**Contact Email:**
James Edwards	James.Edwards@wspgroup.com
Sampler's Name:	**Sampler's Signature:**
James Edwards	

Matrices:
S = Soil:
Aq = Water
A = Air: Bu = Bulk
W = Wipe
Bi = Biota:
OW = Oily Waste:
O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (8260)	1,4 dioxane (8270SIM)								Remarks
MW-16	N/A	6/4/14	955	Aq	6	X	X								1424350001
MW-02		6/4/14	1123	Aq	6	X	X								002
MW-14		6/4/14	1135	Aq	6	X	X								003
MW-2D		6/4/14	1145	Aq	6	X	X								004
MW-18		6/4/14	1445	Aq	6	X	X								005
MW-17D		6/4/14	1450	Aq	6	X	X								006
MW-17		6/4/14	1500	Aq	6	X	X								007
MW-38		6/4/14	1610	Aq	6	X	X								008
EB-060414		6/4/14	1630	Aq	6	X	X								009
MW-26D		6/4/14	1640	Aq	6	X	X								010
MW-08		6/4/14	955	Aq	6	X	X								011
MW-39		6/5/14	900	Aq	6	X	X								012
MW-15		6/5/14	920	Aq	6	X	X								013
MW-100		6/5/14	950	Aq	6	X	X								014
TRIP BLANK		N/A	N/A	Aq	2	X									015

Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Name:
	6/5/14 1230	Jodi Smith - pace 6/6/14 9:30	PACE
Relinquished by (Signature):	Date / Time	Received by (Signature):	Laboratory Location: Huntersville, NC
			Custody Seal Numbers: 02903
Turn-Around Time: Standard		Tracking Number:	Method of Shipment: fedex

WSP
WSP Environment & Energy

- ☑ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☐ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

Attachment C – Laboratory Reports for May 2014 Residential Well Samples

New Jersey
ACCUTEST LABORATORIES

06/11/14

Technical Report for

WSP Environment and Energy

090149-04, Kop-Flex, Hanover, MD

39196/3

Accutest Job Number: JB68186

Sampling Date: 05/29/14

Report to:

WSP Environment and Energy
11190 Sunrise Valley Drive Suite 300
Reston, VA 20190
Keith.Green@wspgroup.com

ATTN: Keith Green

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4

Table of Contents

Accutest Laboratories

Sample Summary

WSP Environment and Energy

Job No: JB68186

090149-04, Kop-Flex, Hanover, MD
Project No: 39196/3

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB68186-1	05/29/14	11:23	MR	05/31/14	DW	Drinking Water	RW-7932AND-052914F
JB68186-2	05/29/14	11:46	MR	05/31/14	DW	Drinking Water	RW-7932AND-052914
JB68186-3	05/29/14	13:40	MR	05/31/14	DW	Drinking Water	RW-1227OCM-052914F
JB68186-4	05/29/14	13:57	MR	05/31/14	DW	Drinking Water	RW-1227OCM-052914
JB68186-5	05/29/14	14:42	MR	05/31/14	DW	Drinking Water	RW-1012MINN-052914
JB68186-6	05/29/14	15:45	MR	05/31/14	DW	Drinking Water	RW-7718TO-052914F
JB68186-7	05/29/14	16:06	MR	05/31/14	DW	Drinking Water	RW-7718TO-052914
JB68186-8	05/29/14	16:47	MR	05/31/14	DW	Drinking Water	RW-7740TO-052914
JB68186-9	05/29/14	17:16	MR	05/31/14	DW	Drinking Water	RW-7742TO-052914
JB68186-10	05/29/14	12:00	MR	05/31/14	DW	Drinking Water	RW-100TO-052914
JB68186-11	05/29/14	17:16	MR	05/31/14	DW	Drinking Water TB	TRIP BLANK

Summary of Hits

Job Number: JB68186
Account: WSP Environment and Energy
Project: 090149-04, Kop-Flex, Hanover, MD
Collected: 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68186-1	**RW-7932AND-052914F**					
1,1-Dichloroethane		0.086 J	0.50	0.026	ug/l	EPA 524.2 REV 4.1
1,1-Dichloroethylene		2.5	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.31 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-2	**RW-7932AND-052914**					
1,1-Dichloroethylene		1.5	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.21 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-3	**RW-1227OCM-052914F**					
Chloroform		0.10 J	0.50	0.066	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.15 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-4	**RW-1227OCM-052914**					
1,1-Dichloroethane		0.051 J	0.50	0.026	ug/l	EPA 524.2 REV 4.1
1,1-Dichloroethylene		1.3	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.15 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-5	**RW-1012MINN-052914**					
Chloroform		0.30 J	0.50	0.066	ug/l	EPA 524.2 REV 4.1
Methyl Tert Butyl Ether		1.0	0.50	0.056	ug/l	EPA 524.2 REV 4.1
Tetrachloroethylene		0.15 J	0.50	0.047	ug/l	EPA 524.2 REV 4.1
JB68186-6	**RW-7718TO-052914F**					
1,2-Dichloroethane		0.085 J	0.50	0.030	ug/l	EPA 524.2 REV 4.1
Methyl Tert Butyl Ether		0.80	0.50	0.056	ug/l	EPA 524.2 REV 4.1
JB68186-7	**RW-7718TO-052914**					
1,2-Dichloroethane		0.10 J	0.50	0.030	ug/l	EPA 524.2 REV 4.1
Methyl Tert Butyl Ether		0.79	0.50	0.056	ug/l	EPA 524.2 REV 4.1
JB68186-8	**RW-7740TO-052914**					
1,1-Dichloroethylene		1.1	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.17 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1

Summary of Hits

Job Number: JB68186
Account: WSP Environment and Energy
Project: 090149-04, Kop-Flex, Hanover, MD
Collected: 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68186-9	**RW-7742TO-052914**					
1,1-Dichloroethylene		0.89	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.15 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-10	**RW-100TO-052914**					
1,1-Dichloroethylene		0.31 J	0.50	0.083	ug/l	EPA 524.2 REV 4.1
1,1,1-Trichloroethane		0.15 J	0.50	0.027	ug/l	EPA 524.2 REV 4.1
JB68186-11	**TRIP BLANK**					

No hits reported in this sample.

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: RW-7932AND-052914F
Lab Sample ID: JB68186-1
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89179.D	1	06/03/14	MD	n/a	n/a	V1B4198
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	0.086		0.50	0.026	ug/l	J
75-35-4	1,1-Dichloroethylene	2.5	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7932AND-052914F
Lab Sample ID: JB68186-1
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.31	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		78-114%
460-00-4	4-Bromofluorobenzene	98%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7932AND-052914F		
Lab Sample ID:	JB68186-1	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110287.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		36-149%
460-00-4	4-Bromofluorobenzene	83%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7932AND-052914
Lab Sample ID: JB68186-2
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89180.D	1	06/03/14	MD	n/a	n/a	V1B4198
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	1.5	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7932AND-052914
Lab Sample ID: JB68186-2
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.21	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7932AND-052914		
Lab Sample ID:	JB68186-2	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110288.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		36-149%
460-00-4	4-Bromofluorobenzene	84%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-1227OCM-052914F
Lab Sample ID: JB68186-3
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89214.D	1	06/04/14	MD	n/a	n/a	V1B4201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	0.10		0.50	0.066	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1227OCM-052914F		
Lab Sample ID:	JB68186-3	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.15	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1227OCM-052914F		
Lab Sample ID:	JB68186-3	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110289.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		36-149%
460-00-4	4-Bromofluorobenzene	90%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-1227OCM-052914
Lab Sample ID: JB68186-4
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89186.D	1	06/03/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	0.051		0.50	0.026	ug/l	J
75-35-4	1,1-Dichloroethylene	1.3	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-1227OCM-052914
Lab Sample ID: JB68186-4
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.15	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1227OCM-052914		
Lab Sample ID:	JB68186-4	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110290.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	93%		36-149%
460-00-4	4-Bromofluorobenzene	78%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-1012MINN-052914
Lab Sample ID: JB68186-5
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89187.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	0.30		0.50	0.066	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-1012MINN-052914
Lab Sample ID: JB68186-5
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.0		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.027	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	0.15	5.0	0.50	0.047	ug/l	J
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1012MINN-052914		
Lab Sample ID:	JB68186-5	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110291.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		36-149%
460-00-4	4-Bromofluorobenzene	89%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7718TO-052914F
Lab Sample ID: JB68186-6
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89190.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	0.085	5.0	0.50	0.030	ug/l	J
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7718TO-052914F		
Lab Sample ID:	JB68186-6	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.80		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.027	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	92%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7718TO-052914F		
Lab Sample ID:	JB68186-6	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110292.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		36-149%
460-00-4	4-Bromofluorobenzene	85%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7718TO-052914		
Lab Sample ID:	JB68186-7	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89191.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	0.10	5.0	0.50	0.030	ug/l	J
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7718TO-052914
Lab Sample ID: JB68186-7
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.79		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.027	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7718TO-052914		
Lab Sample ID:	JB68186-7	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110293.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	95%		36-149%
460-00-4	4-Bromofluorobenzene	77%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7740TO-052914
Lab Sample ID: JB68186-8
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89192.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7740TO-052914
Lab Sample ID: JB68186-8
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.17	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		78-114%
460-00-4	4-Bromofluorobenzene	98%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7740TO-052914		
Lab Sample ID:	JB68186-8	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110294.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		36-149%
460-00-4	4-Bromofluorobenzene	80%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7742TO-052914
Lab Sample ID: JB68186-9
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89193.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	0.89	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-7742TO-052914
Lab Sample ID: JB68186-9
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.15	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		78-114%
460-00-4	4-Bromofluorobenzene	97%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7742TO-052914		
Lab Sample ID:	JB68186-9	**Date Sampled:**	05/29/14
Matrix:	DW - Drinking Water	**Date Received:**	05/31/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110295.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		36-149%
460-00-4	4-Bromofluorobenzene	87%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-100TO-052914
Lab Sample ID: JB68186-10
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89194.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	0.31	7.0	0.50	0.083	ug/l	J
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-100TO-052914
Lab Sample ID: JB68186-10
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	0.15	200	0.50	0.027	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		78-114%
460-00-4	4-Bromofluorobenzene	98%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-100TO-052914
Lab Sample ID: JB68186-10
Matrix: DW - Drinking Water
Method: SW846 8260B BY SIM
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110296.D	1	06/02/14	PS	n/a	n/a	V3C4963
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND		2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	93%		36-149%
460-00-4	4-Bromofluorobenzene	75%		34-135%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: JB68186-11
Matrix: DW - Drinking Water TB
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B89195.D	1	06/04/14	MD	n/a	n/a	V1B4199
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	0.76	ug/l	
78-93-3	2-Butanone	ND		5.0	0.32	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.028	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.062	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.054	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.034	ug/l	
75-25-2	Bromoform	ND		0.50	0.038	ug/l	
74-83-9	Bromomethane	ND		0.50	0.099	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.028	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.17	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.021	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.051	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.023	ug/l	
75-00-3	Chloroethane	ND		0.50	0.070	ug/l	
67-66-3	Chloroform	ND		0.50	0.066	ug/l	
74-87-3	Chloromethane	ND		0.50	0.078	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.040	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.028	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.092	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.026	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.083	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.061	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.12	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.048	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.030	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.050	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.064	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.064	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.036	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.044	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.047	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.060	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: JB68186-11
Matrix: DW - Drinking Water TB
Method: EPA 524.2 REV 4.1
Project: 090149-04, Kop-Flex, Hanover, MD

Date Sampled: 05/29/14
Date Received: 05/31/14
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.045	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.021	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.021	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.067	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.026	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.022	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.024	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.049	ug/l	
110-54-3	Hexane	ND		0.50	0.038	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.12	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.051	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.093	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.051	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.056	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.18	ug/l	
91-20-3	Naphthalene	ND		0.50	0.050	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.075	ug/l	
100-42-5	Styrene	ND	100	0.50	0.033	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.053	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.027	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.038	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.059	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.059	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.066	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.045	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.081	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.075	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.047	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.071	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.030	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.080	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.043	ug/l	
	m,p-Xylene	ND		0.50	0.11	ug/l	
95-47-6	o-Xylene	ND		0.50	0.046	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	94%		78-114%
460-00-4	4-Bromofluorobenzene	99%		77-115%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

WTB

CHAIN OF CUSTODY RECORD

JB68186

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Project Number:	Site and Location:
39196/3	KOP-Flex, Hanover, MD

Contact Name:	Contact Email:
Eric Johnson	Eric.Johnson@WSPgroup.com

Sampler's Name:	Sampler's Signature:
James Edwards, Matt Richardson	

Matrices: S = Soil; Aq = Water; A = Air; Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Requested Analyses

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	VOCs (524.2)	1-4 Diox (8260 w/SIM)	N°	Remarks
RW-7932AND-052914F	–	5/29/14	1123	Aq	6	X	X	1	
RW-7932AND-052914	–	5/29/14	1146	Aq	6	X	X	2	
RW-12270CM-052914F	–	5/29/14	1340	Aq	6	X	X	3	
RW-12270CM-052914	–	5/29/14	1357	Aq	6	X	X	4	V549
RW-1012MINN-052914	–	5/29/14	1442	Aq	5	X	X	5	V547
RW-7718TO-052914F	–	5/29/14	1545	Aq	6	X	X	6	
RW-7718TO-052914	–	5/29/14	1606	Aq	6	X	X	7	
RW-7740TO-052914	–	5/29/14	1647	Aq	6	X	X	8	
RW-7742TO-052914	–	5/29/14	1716	Aq	6	X	X	9	
RW-100TO-052914	–	5/29/14	1200	Aq	6	X	X	10	
TRIP BLANK	–	N/A	N/A	Aq	1			11	

-052914

Relinquished by (Signature):	Date | Time	Received by (Signature):
	5/30/14 0850	FedEx
Relinquished by (Signature): FED EX	6/3/14 10:15	Received by (Signature): Accutest MD
Turn-Around Time: STD	1.7-18	Tracking Number: 804344416520

Laboratory Name: Accutest
Laboratory Location: Dayton
Custody Seal Numbers: 02441
Method of Shipment: Fedex

WSP Environment & Energy

- [x] Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- [ ] Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- [ ] San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- [ ] New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- [ ] Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- [ ] Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- [ ] Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- [ ] Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

JK

4.1 4

JB68186: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB68186 **Client:** **Project:**

Date / Time Received: 5/31/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (1.7/1.4); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB68186: Chain of Custody
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