

VIA FEDERAL EXPRESS

October 30, 2015

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. 7
Former Kop-Flex Facility Site, Hanover, Maryland

Dear Erich

On behalf of EMERSUB 16 LLC, a subsidiary of Emerson Electric Co., WSP Corp. is submitting this status report describing the investigation and remediation activities conducted in the third quarter 2015 at the Kop-Flex Voluntary Cleanup Program (VCP) site in Hanover, Maryland. The report also describes the activities planned for the fourth quarter 2015. 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 - Environmental

REJ:kjb

k:\emerson\kop-flex\reporting\status reports\mde reports\2015\3705_103015rejrep_kopflex_progress_rpt_7_final.docx

cc: Mr. Stephen Clarke, Emerson Electric Co. (Electronic copy only)
Ms. Richelle Hanson, Maryland Department of the Environment

Progress Report No. 7

Former Kop-Flex Facility

July 2015 through September 2015

Site Name:

Former Kop-Flex Facility

Site Address:

7565 Harmans Road

Hanover, Maryland 21076

Consultant:

WSP Corp.

Address:

13530 Dulles Technology Drive, Suite 300

Herndon, Virginia 20171

Phone No.:

(703) 709-6500

Site Coordinator:

Eric Johnson

Alternate:

Jim Bulman

1.0 Onsite Activities

The following activities were conducted during the Third Quarter 2015.

- The Maryland Department of Environment (MDE) provided technical comments on the Response Action Plan (RAP) and supporting documents (Soil Management Plan and Groundwater Monitoring Plan) for the onsite area in an August 13, 2015, correspondence to EMERSUB 16, LLC (EMERSUB 16). WSP and EMERSUB 16 reviewed the comments and revised the RAP and other plans in response to these comments. The revised RAP (Revision 1.0), which included responses to each specific comment, was submitted to MDE and U.S. Environmental Protection Agency (EPA), Region III on September 17, 2015. MDE provided three follow-up comments on the RAP (Revision 1.0) to WSP via electronic mail on September 29, 2015. WSP revised the plan in accordance with these comments, and the revised pages of the RAP (Revision 2.0) were submitted to MDE in early October 2015.
- The MDE Water Supply Program issued an updated State Water Appropriation and Use Permit [No. AA2004G016 (2)] to EMERSUB 16 for the planned extraction of groundwater from the affected portions of the aquifer system as part of the future remedial activities at the site. The effective date of the permit was September 15, 2015, with the submittal of semi-annual Water Withdrawal Reports in January and July of each year.

2.0 Offsite Activities

2.1 Offsite Groundwater Monitoring Program

- MDE provided technical comments on the Offsite Groundwater Monitoring Plan (Offsite GWMP) in the August 13, 2015 correspondence to EMERSUB16. WSP and EMERSUB 16 reviewed the comments and revised the Offsite GWMP accordingly. The revised Offsite GWMP (Revision 1.0), which included responses to the comments, was submitted to MDE and USEPA, Region III on September 17, 2015.
- As part of a quarterly sampling event performed during the week of September 21, 2015, WSP obtained water level measurements from all offsite monitoring wells and selected deep monitoring wells onsite, and sampled the recently installed shallow and deep offsite monitoring wells. A contour map of the potentiometric surface for the semi-confined portion of the Lower Patapsco Aquifer based on the contouring of the water level data from the deep on and offsite wells is provided in Figure 1. Evaluation of the hydraulic head data indicates a generally south-southeast flow path for groundwater in the semi-confined zone of the aquifer. The analytical results for the September 2015 samples are summarized in Table 1, and historical sampling data for the offsite wells are provided in Table 2. (A copy of the laboratory report for the samples is provided in Enclosure A.) No site-related VOCs were detected in the samples from the two shallow wells (MW-25-40 and MW-28-45) in the unconfined portion of the Lower Patapsco aquifer. For the deep wells completed in the

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Former Kop-Flex Facility

July 2015 through September 2015

semi-confined portion of this aquifer, 1,1-dichloroethene (DCE) and trichloroethene (TCE) were detected at levels above the applicable MDE groundwater quality standards and USEPA maximum contaminant levels (MCLs) in the sample from well MW-25-130, which is located in the northeastern portion of the Harmans Woods neighborhood south of the Maryland Route 100 (Table 1 and Figure 2). The sample from this well also contained 1,4-dioxane at a concentration of 295 ug/l, which is above the risk-based level that MDE has established for this constituent at the former Kop-Flex site. (There is no promulgated MCL for 1,4-dioxane.)

Lower concentrations of these constituents (1,1-DCE, TCE, and 1,4-dioxane), were detected in the sample from the deeper well (MW-25-192) at this location, which is consistent with the vertical distribution of constituents determined from previous groundwater investigations at the site. The sampling data for the deep monitoring wells located south (downgradient) of MW-25 contained non-detect to very low concentrations of the site-related VOCs (Figure 2). The concentration of 1,1-DCE in the sample from well MW-28-210 (14.3 µg/l) is slightly above the MDE groundwater quality standard and USEPA Maximum Contaminant Level (MCL) for this compound. In addition, 1,1-DCE and 1,4-dioxane were detected at concentrations of 4.8 µg/l and 6.8 µg/l, respectively, in the sample from the deeper of the two wells at the MW-33 location (MW-33-295) (Table 1). The groundwater sample from the shallower of the two wells at the MW-33 location had non-detect levels for the site-related VOCs.

2.2 Residential Well Sampling

- On September 24, 2015, water samples were collected from the following potable wells in the Severn, Maryland area:
 - 7932 Andorick Drive,
 - 1409 Bittersweet Lane
 - 1231 Old Camp Meade Road

The well at the Andorick Drive residence was identified for continued semi-annual monitoring due to previous detections of low concentrations of site-related VOCs. The residential wells at the other two locations were sampled in response to requests communicated to MDE by the homeowners.

The analytical results for the residential well samples were received on October 9, 2015. Copies of the laboratory reporting sheets for these samples are included in the certified analytical report provided in Enclosure B. As a result of calibration problems with the analytical instrumentation at the subcontracted laboratory that could not be resolved within the sample holding time of 14 days, the samples were analyzed for VOCs using USEPA Test Method 8260B rather than the drinking water method (524.2). Four site-related VOCs were detected in the sample collected from the well at 7932 Andorick Drive, with all detected concentrations below the applicable groundwater comparative criteria. No VOCs were detected above the method detection limits in the water samples from 1409 Bittersweet Lane and 1231 Old Camp Meade Road.

3.0 Planned Activities for Next Reporting Period (October 2015 – December 2015)

3.1 Onsite Activities

- Complete the detailed engineering design for the groundwater remedial system.
- Update the existing Site Health and Safety Plan to include planned construction oversight and operation, maintenance, and monitoring activities, and submit the revised plan to MDE for review.
- Abandon existing monitoring wells and piezometers pursuant to the approved Groundwater Monitoring Plan.

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In addition to the above work items, the following activities will be initiated during the fourth quarter of 2015 and will continue into early 2016:

- Execute access agreements with the property owners and then conduct groundwater quality profiling at locations on the adjacent Williams Scotsman facility to the east of the site and Verizon facility to the north.
- Selection of a qualified contractor for the groundwater remedial system installation.

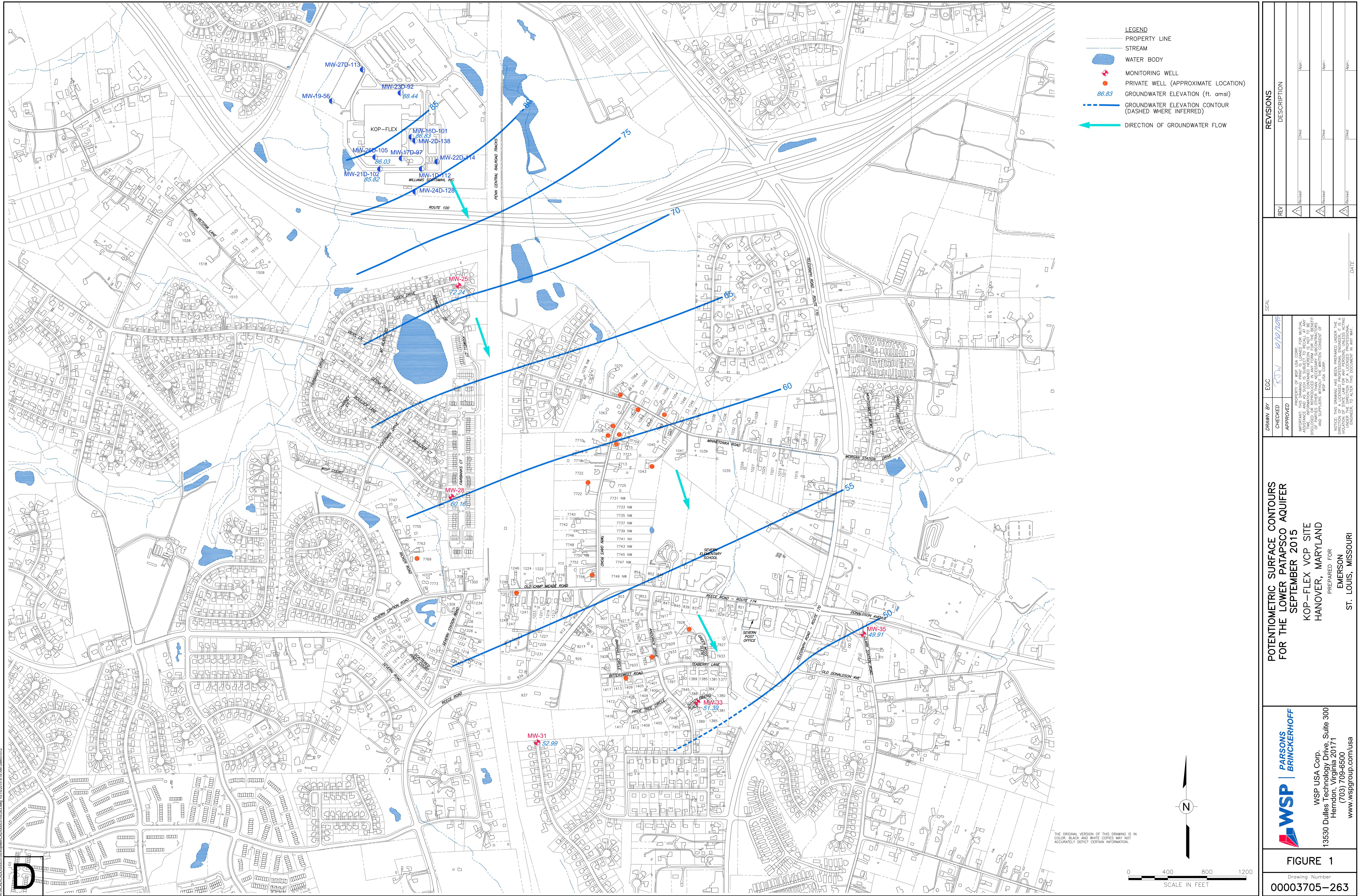
3.2 Offsite Activities

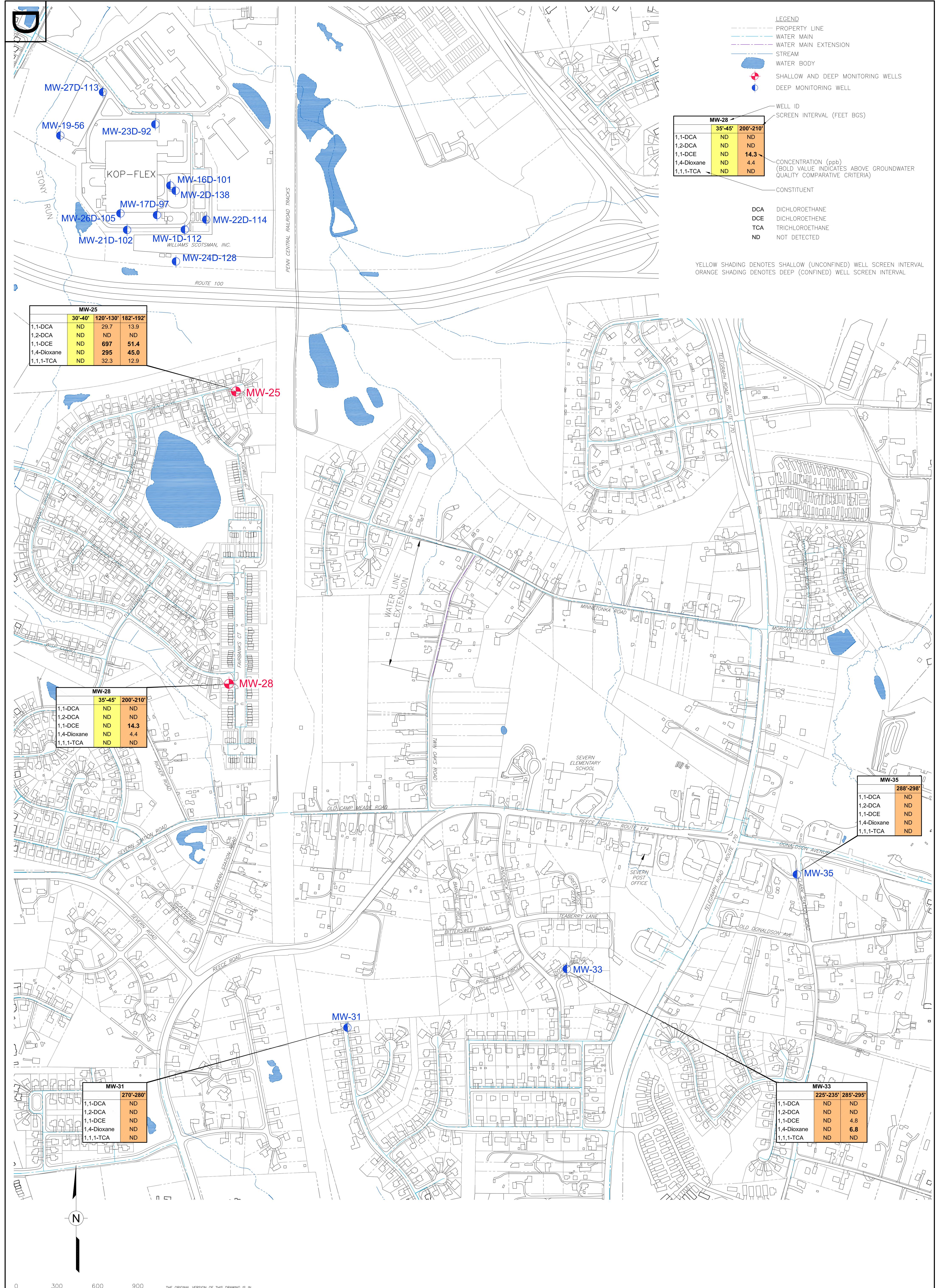
- Complete the development of a website to provide updated information to community members on investigation and remediation activities, and make the website available to the public.
- Prepare and submit right-of-way (ROW) applications to Anne Arundel County for the installation of the additional groundwater monitoring wells.
- Conduct the fourth quarter 2015 sampling of the offsite monitoring wells in the residential areas south of Maryland Route 100.
- Collect semi-annual water samples from the following potable wells in the Severn, Maryland area:
 - 7740 Twin Oaks Road
 - 854 Reece Road

4.0 Key Personnel Changes

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

Figures





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OFFSITE MONITORING WELL VOC CONCENTRATIONS

SEPTEMBER 2015

KOP-FLEX VCP SITE

HANOVER, MARYLAND

PREPARED FOR

EMERSON

ST. LOUIS, MISSOURI

DRAWN BY

ECC

CHECKED

RJW

APPROVED

RJW

7/20/2015

3/2/2015

SEAL

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DESCRIPTION

REV



Revised:

Chkd:

Appr.:



Revised:

Chkd:

Appr.:



Revised:

Chkd:

Appr.:

DATE

Tables

Table 1

Summary of Off-Property Monitoring Well Sample Results
September 2015 Sampling Event
Kop-Flex VCP Site
Hanover, Maryland

Analyte (b)	Groundwater Quality Criteria (ug/L)	MW-25-40 9/23/2015	MW-25-130 9/23/150	MW-25-192 9/22/2015	MW-28-45 9/22/2015	MW-28-210 6/23/2015	MW-31-280 9/22/2015	MW-33-235 9/21/2015	MW-33-295 9/21/2015	MW-35-298 9/21/2015
1,1,1-Trichloroethane	200		1 U	32.3	12.9	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	90		1 U	29.7	13.9	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7		1 U	697	51.4	1 U	14.3	1 U	1 U	4.8
1,2-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	14.2	1.3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	6.7 (d)		2 U	295	45.0	2 U	4.4	2 U	2 U	6.8
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

a/ U = not detected at a concentration above the method detection limit

Bolded number indicates concentration above the groundwater quality criteria

b/ All concentrations in micrograms per liter ($\mu\text{g/l}$)

c/ Groundwater Quality Criteria sources:

RSLs: [http://www.mde.maryland.gov/assets/document/Final%20Update%20No%202.1%20dated%205-20-08\(1\).pdf](http://www.mde.maryland.gov/assets/document/Final%20Update%20No%202.1%20dated%205-20-08(1).pdf)

d/ Value represents MDE risk-based cleanup level.

Table 2

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

Monitoring Well	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	Methyl-tert-butyl Ether	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Total VOCs
MW-24D														
Jun-12 (c)	ND	ND	ND	1,300	ND	ND	342	ND	ND	ND	53	ND	ND	1,695
Aug-12	ND	72	13	1,600	6	ND	NA	ND	ND	1.7	60	1.5	13	1,767
Dec-12	1.3	61	12	1,500	6.7	ND	393	ND	ND	1.8	62	1.5	16	2,055
Jul-13	1.2	57.7	10.8	1,520	6.2	1.1	470.0	ND	ND	1.4	48.7	1.3	12.4	2,131
Dec-13 (c)	ND	47.4	ND	1,190	ND	ND	433.0	ND	ND	ND	34.1	ND	10.1	1,715
Jun-14 (c)	ND	57.3	11.3	1,510	ND	ND	488.0	ND	ND	ND	43.4	ND	14.2	2,124
Dec-14 (d)	ND	106.0	ND	2,640	ND	ND	657.0 (c)	ND	ND	ND	60.9	ND	ND	3,464
Jun-15 (d)	ND	92.5	ND	2,100	ND	ND	728.0 (c)	ND	ND	ND	53.3	ND	ND	2,974
MW-25-40														
Sep-14	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	2
Dec-14	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	2
Mar-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Jun-15	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1
Sep-15	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1
MW-25-130														
Sep-14	1.5	47.0	12.3	1,140.0	6.1	ND	492.0	ND	ND	1.1	64.2	2.0	11.2	1,777
Dec-14 (c)	ND	31.4	ND	799.0	ND	ND	349.0	25.5	ND	ND	33.4	ND	ND	1,238
Mar-15 (c)	ND	38.6	10.8	854.0	ND	ND	446.0	66.8	ND	ND	43.5	ND	ND	1,460
Jun-15 (e)	1.1	37.1	8.9	1,030.0	4.6	ND	303.0	66.8	ND	ND	46.3	1.2	6.8	1,506
Sep-15 (c)	ND	29.7	ND	697.0	ND	ND	295.0	ND	ND	ND	32.3	ND	14.2	1,068
MW-25-192														
Sep-14	ND	10.8	ND	52.2	ND	ND	65.1	ND	ND	ND	14.0	ND	ND	142
Dec-14	ND	13.3	ND	58.2	ND	ND	45.9	ND	ND	ND	15.6	ND	ND	133
Mar-15	ND	11.7	ND	53.0	ND	ND	49.4	ND	ND	ND	13.7	ND	ND	128
Jun-15	ND	11.9	ND	59.4	ND	ND	39.8	ND	ND	ND	14.2	ND	ND	125
Sep-15	ND	13.9	ND	51.4	ND	ND	45.0	ND	1.2	ND	12.9	ND	1.3	126
MW-28-45														
Sep-14	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	ND	ND	7
Dec-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Mar-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Jun-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Sep-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
MW-28-210														
Sep-14	ND	ND	ND	6.8	ND	ND	5.1	ND	ND	ND	ND	ND	ND	12
Dec-14	ND	ND	ND	9.4	ND	ND	4.1	ND	ND	ND	ND	ND	ND	14
Mar-15	ND	ND	ND	10.8	ND	ND	6.0	ND	ND	ND	ND	ND	ND	17
Jun-15	ND	ND	ND	12.8	ND	ND	4.5	ND	ND	ND	ND	ND	ND	17
Sep-15	ND	ND	ND	14.3	ND	ND	4.4	ND	ND	ND	ND	ND	ND	19
MW-31-280														

Table 2

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

Monitoring Well	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	Methyl-tert-butyl Ether	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Total VOCs
MW-33-235	Sep-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Dec-14	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	2
	Mar-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Jun-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Sep-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Sep-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Dec-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Mar-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Jun-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Sep-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
MW-33-295	Sep-14	ND	ND	ND	3.3	ND	ND	7.2	ND	ND	ND	ND	ND	11
	Dec-14	ND	ND	ND	3.5	ND	ND	7.1	ND	ND	ND	ND	ND	11
	Mar-15	ND	ND	ND	4.8	ND	ND	8.0	ND	ND	ND	ND	ND	13
	Jun-15	ND	ND	ND	3.3	ND	ND	6.8	ND	ND	ND	ND	ND	10
	Sep-15	ND	ND	ND	4.8	ND	ND	6.8	ND	ND	ND	ND	ND	12
MW-35-298	Sep-14	ND	ND	ND	ND	ND	ND	36.7	ND	ND	ND	ND	ND	37
	Dec-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Mar-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Jun-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Sep-15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--

a/ all samples measured in ppb (ug/L);
 all samples collected using low-flow purging techniques
 ND = not detected

b/suspected laboratory contaminant

c/ sample run at a 10x dilution

d/sample run at 20x dilution

e/sample run at 12.5x dilution

Enclosure A – Laboratory Report for September 2015 Offsite Monitoring Well Samples

October 02, 2015

Eric Johnson
WSP Environmental Strategies
11190 Sunrise Valley Dr.
Suite #300
Reston, VA 20191

RE: Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Dear Eric Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2015. 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: Keith Green, WSP Environmental Strategies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

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

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SAMPLE SUMMARY

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92269043001	MW-35-298	Water	09/21/15 09:46	09/24/15 09:30
92269043002	MW-100	Water	09/21/15 09:00	09/24/15 09:30
92269043003	MW-33-295	Water	09/21/15 13:40	09/24/15 09:30
92269043004	MW-33-235	Water	09/21/15 16:18	09/24/15 09:30
92269043005	EB-092115	Water	09/21/15 17:15	09/24/15 09:30
92269043006	MW-31-280	Water	09/22/15 09:25	09/24/15 09:30
92269043007	MW-28-210	Water	09/22/15 11:56	09/24/15 09:30
92269043008	MW-28-45	Water	09/22/15 12:50	09/24/15 09:30
92269043009	MW-25-190	Water	09/22/15 15:30	09/24/15 09:30
92269043010	EB-092215	Water	09/22/15 16:25	09/24/15 09:30
92269043011	MW-25-130	Water	09/23/15 09:11	09/24/15 09:30
92269043012	MW-25-40	Water	09/23/15 10:25	09/24/15 09:30
92269043013	EB-092315	Water	09/23/15 11:10	09/24/15 09:30
92269043014	TRIP BLANK	Water	09/21/15 00:00	09/24/15 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92269043001	MW-35-298	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043002	MW-100	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043003	MW-33-295	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043004	MW-33-235	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043005	EB-092115	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043006	MW-31-280	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043007	MW-28-210	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043008	MW-28-45	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043009	MW-25-190	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043010	EB-092215	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043011	MW-25-130	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043012	MW-25-40	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043013	EB-092315	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C
92269043014	TRIP BLANK	EPA 8260 EPA 8260B Mod.	NB DLK	64 3	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-35-298	Lab ID: 92269043001	Collected: 09/21/15 09:46	Received: 09/24/15 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		09/26/15 04:44	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 04:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 04:44	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 04:44	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 04:44	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 04:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 04:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 04:44	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 04:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 04:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 04:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 04:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:44	95-49-8	M1
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 04:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 04:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 04:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 04:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 04:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:44	156-60-5	M1
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:44	563-58-6	M1
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:44	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 04:44	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 04:44	123-91-1	L3,M0
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 04:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 04:44	87-68-3	L3,M0
2-Hexanone	ND	ug/L	5.0	1		09/26/15 04:44	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 04:44	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 04:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 04:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 04:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 04:44	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 04:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:44	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-35-298	Lab ID: 92269043001	Collected: 09/21/15 09:46	Received: 09/24/15 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		09/26/15 04:44	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 04:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 04:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 04:44	75-69-4	M1
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 04:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 04:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 04:44	75-01-4	M1
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 04:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 04:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 04:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%	70-130	1		09/26/15 04:44	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		09/26/15 04:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 04:44	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 11:51	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 11:51	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 11:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-100	Lab ID: 92269043002	Collected: 09/21/15 09:00	Received: 09/24/15 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		09/26/15 05:01	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 05:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 05:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 05:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 05:01	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/26/15 05:01	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 05:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 05:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 05:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 05:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 05:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 05:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 05:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 05:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 05:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 05:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 05:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 05:01	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 05:01	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 05:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 05:01	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 05:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 05:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 05:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 05:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 05:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 05:01	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 05:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:01	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-100	Lab ID: 92269043002	Collected: 09/21/15 09:00	Received: 09/24/15 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		09/26/15 05:01	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 05:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 05:01	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 05:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 05:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 05:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 05:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 05:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 05:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%	70-130	1		09/26/15 05:01	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		09/26/15 05:01	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 05:01	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 12:52	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 12:52	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 12:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-33-295	Lab ID: 92269043003	Collected: 09/21/15 13:40	Received: 09/24/15 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		09/26/15 05:18	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 05:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 05:18	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 05:18	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 05:18	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 05:18	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 05:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 05:18	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 05:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 05:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 05:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 05:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 05:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 05:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 05:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 05:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 05:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:18	107-06-2	
1,1-Dichloroethene	4.8	ug/L	1.0	1		09/26/15 05:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:18	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 05:18	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 05:18	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 05:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 05:18	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 05:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 05:18	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 05:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 05:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 05:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 05:18	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 05:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:18	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-33-295	Lab ID: 92269043003	Collected: 09/21/15 13:40	Received: 09/24/15 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		09/26/15 05:18	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 05:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 05:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 05:18	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 05:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 05:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 05:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 05:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 05:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 05:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%	70-130	1		09/26/15 05:18	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		09/26/15 05:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 05:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	6.8	ug/L	2.0	1		10/01/15 13:13	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		10/01/15 13:13	17060-07-0	
Toluene-d8 (S)	85	%	50-150	1		10/01/15 13:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-33-235	Lab ID: 92269043004	Collected: 09/21/15 16:18	Received: 09/24/15 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		09/26/15 05:35	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 05:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 05:35	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 05:35	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 05:35	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 05:35	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 05:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 05:35	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 05:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 05:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 05:35	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 05:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 05:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 05:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 05:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 05:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 05:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:35	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 05:35	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 05:35	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 05:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 05:35	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 05:35	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 05:35	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 05:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 05:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 05:35	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 05:35	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 05:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:35	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-33-235	Lab ID: 92269043004	Collected: 09/21/15 16:18	Received: 09/24/15 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		09/26/15 05:35	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 05:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 05:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 05:35	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 05:35	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 05:35	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 05:35	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 05:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 05:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 05:35	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		09/26/15 05:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		09/26/15 05:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 05:35	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 13:33	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 13:33	17060-07-0	
Toluene-d8 (S)	83	%	50-150	1		10/01/15 13:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: EB-092115	Lab ID: 92269043005	Collected: 09/21/15 17:15	Received: 09/24/15 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		09/26/15 04:10	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 04:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 04:10	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 04:10	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 04:10	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 04:10	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 04:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 04:10	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 04:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 04:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 04:10	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 04:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 04:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 04:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 04:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 04:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 04:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:10	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 04:10	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 04:10	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 04:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 04:10	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 04:10	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 04:10	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 04:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 04:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 04:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 04:10	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 04:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:10	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: EB-092115	Lab ID: 92269043005	Collected: 09/21/15 17:15	Received: 09/24/15 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		09/26/15 04:10	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 04:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 04:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 04:10	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 04:10	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 04:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 04:10	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 04:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 04:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 04:10	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	70-130	1		09/26/15 04:10	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		09/26/15 04:10	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 04:10	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 13:53	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 13:53	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 13:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-31-280	Lab ID: 92269043006	Collected: 09/22/15 09:25	Received: 09/24/15 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		09/26/15 05:52	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 05:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 05:52	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 05:52	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 05:52	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 05:52	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 05:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 05:52	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 05:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 05:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 05:52	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 05:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 05:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 05:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 05:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 05:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 05:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 05:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 05:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 05:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 05:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 05:52	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 05:52	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 05:52	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 05:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 05:52	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 05:52	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 05:52	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 05:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 05:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 05:52	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 05:52	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 05:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 05:52	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-31-280	Lab ID: 92269043006	Collected: 09/22/15 09:25	Received: 09/24/15 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		09/26/15 05:52	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 05:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 05:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 05:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 05:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 05:52	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 05:52	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 05:52	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 05:52	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 05:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 05:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 05:52	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		09/26/15 05:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		09/26/15 05:52	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 05:52	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 14:13	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 14:13	17060-07-0	
Toluene-d8 (S)	86	%	50-150	1		10/01/15 14:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-28-210	Lab ID: 92269043007	Collected: 09/22/15 11:56	Received: 09/24/15 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		09/26/15 06:09	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 06:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 06:09	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 06:09	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 06:09	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 06:09	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 06:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 06:09	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 06:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 06:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 06:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 06:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 06:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 06:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 06:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 06:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 06:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 06:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 06:09	107-06-2	
1,1-Dichloroethene	14.3	ug/L	1.0	1		09/26/15 06:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:09	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 06:09	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 06:09	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 06:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 06:09	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 06:09	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 06:09	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 06:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 06:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 06:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 06:09	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 06:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:09	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-28-210	Lab ID: 92269043007	Collected: 09/22/15 11:56	Received: 09/24/15 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		09/26/15 06:09	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 06:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 06:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 06:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 06:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 06:09	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 06:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 06:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 06:09	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 06:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 06:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 06:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	106	%	70-130	1		09/26/15 06:09	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		09/26/15 06:09	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		09/26/15 06:09	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	4.4	ug/L	2.0	1		10/01/15 14:34	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/01/15 14:34	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-28-45	Lab ID: 92269043008	Collected: 09/22/15 12:50	Received: 09/24/15 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		09/26/15 06:26	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 06:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 06:26	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 06:26	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 06:26	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 06:26	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 06:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 06:26	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 06:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 06:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 06:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 06:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 06:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 06:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 06:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 06:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 06:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 06:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 06:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:26	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 06:26	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 06:26	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 06:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 06:26	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 06:26	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 06:26	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 06:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 06:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 06:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 06:26	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 06:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:26	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-28-45	Lab ID: 92269043008	Collected: 09/22/15 12:50	Received: 09/24/15 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		09/26/15 06:26	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 06:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 06:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 06:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 06:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 06:26	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 06:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 06:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 06:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 06:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 06:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 06:26	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%	70-130	1		09/26/15 06:26	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		09/26/15 06:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		09/26/15 06:26	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 14:54	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/01/15 14:54	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 14:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-25-190	Lab ID: 92269043009	Collected: 09/22/15 15:30	Received: 09/24/15 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		09/26/15 06:43	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 06:43	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 06:43	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 06:43	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 06:43	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 06:43	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 06:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 06:43	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 06:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 06:43	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 06:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 06:43	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:43	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 06:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 06:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 06:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 06:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 06:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 06:43	75-71-8	
1,1-Dichloroethane	13.9	ug/L	1.0	1		09/26/15 06:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 06:43	107-06-2	
1,1-Dichloroethene	51.4	ug/L	1.0	1		09/26/15 06:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 06:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 06:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 06:43	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 06:43	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 06:43	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 06:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 06:43	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 06:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 06:43	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 06:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 06:43	108-10-1	
Methyl-tert-butyl ether	1.2	ug/L	1.0	1		09/26/15 06:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 06:43	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 06:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 06:43	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-25-190	Lab ID: 92269043009	Collected: 09/22/15 15:30	Received: 09/24/15 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		09/26/15 06:43	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 06:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 06:43	120-82-1	
1,1,1-Trichloroethane	12.9	ug/L	1.0	1		09/26/15 06:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 06:43	79-00-5	
Trichloroethene	1.3	ug/L	1.0	1		09/26/15 06:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 06:43	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 06:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 06:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 06:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 06:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 06:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 06:43	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	1		09/26/15 06:43	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		09/26/15 06:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 06:43	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	45.0	ug/L	2.0	1		10/01/15 15:15	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	1		10/01/15 15:15	17060-07-0	
Toluene-d8 (S)	85	%	50-150	1		10/01/15 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: EB-092215	Lab ID: 92269043010	Collected: 09/22/15 16:25	Received: 09/24/15 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		09/26/15 04:27	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 04:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 04:27	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 04:27	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 04:27	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 04:27	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 04:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 04:27	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 04:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 04:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 04:27	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 04:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 04:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 04:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 04:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 04:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 04:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 04:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 04:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 04:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 04:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 04:27	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 04:27	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 04:27	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 04:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 04:27	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 04:27	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 04:27	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 04:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 04:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 04:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 04:27	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 04:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 04:27	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: EB-092215	Lab ID: 92269043010	Collected: 09/22/15 16:25	Received: 09/24/15 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		09/26/15 04:27	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 04:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 04:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 04:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 04:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 04:27	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 04:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 04:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 04:27	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 04:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 04:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 04:27	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		09/26/15 04:27	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		09/26/15 04:27	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 04:27	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 15:35	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/01/15 15:35	17060-07-0	
Toluene-d8 (S)	83	%	50-150	1		10/01/15 15:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-25-130	Lab ID: 92269043011	Collected: 09/23/15 09:11	Received: 09/24/15 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		09/28/15 01:57	67-64-1	
Benzene	ND	ug/L	10.0	10		09/28/15 01:57	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		09/28/15 01:57	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		09/28/15 01:57	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		09/28/15 01:57	75-27-4	
Bromoform	ND	ug/L	10.0	10		09/28/15 01:57	75-25-2	
Bromomethane	ND	ug/L	20.0	10		09/28/15 01:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	10		09/28/15 01:57	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	10		09/28/15 01:57	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	108-90-7	
Chloroethane	ND	ug/L	10.0	10		09/28/15 01:57	75-00-3	
Chloroform	ND	ug/L	10.0	10		09/28/15 01:57	67-66-3	
Chloromethane	ND	ug/L	10.0	10		09/28/15 01:57	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		09/28/15 01:57	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		09/28/15 01:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	10		09/28/15 01:57	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		09/28/15 01:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		09/28/15 01:57	106-93-4	
Dibromomethane	ND	ug/L	10.0	10		09/28/15 01:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		09/28/15 01:57	75-71-8	
1,1-Dichloroethane	29.7	ug/L	10.0	10		09/28/15 01:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		09/28/15 01:57	107-06-2	
1,1-Dichloroethene	697	ug/L	10.0	10		09/28/15 01:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		09/28/15 01:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		09/28/15 01:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	10		09/28/15 01:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		09/28/15 01:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	10		09/28/15 01:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		09/28/15 01:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	10		09/28/15 01:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	10		09/28/15 01:57	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	10		09/28/15 01:57	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	10		09/28/15 01:57	123-91-1	
Ethylbenzene	ND	ug/L	10.0	10		09/28/15 01:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		09/28/15 01:57	87-68-3	
2-Hexanone	ND	ug/L	50.0	10		09/28/15 01:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	10		09/28/15 01:57	99-87-6	
Methylene Chloride	ND	ug/L	20.0	10		09/28/15 01:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		09/28/15 01:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		09/28/15 01:57	1634-04-4	
Naphthalene	ND	ug/L	10.0	10		09/28/15 01:57	91-20-3	
Styrene	ND	ug/L	10.0	10		09/28/15 01:57	100-42-5	
1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		09/28/15 01:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		09/28/15 01:57	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-25-130	Lab ID: 92269043011	Collected: 09/23/15 09:11	Received: 09/24/15 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		09/28/15 01:57	127-18-4	
Toluene	ND	ug/L	10.0	10		09/28/15 01:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		09/28/15 01:57	120-82-1	
1,1,1-Trichloroethane	32.3	ug/L	10.0	10		09/28/15 01:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		09/28/15 01:57	79-00-5	
Trichloroethene	14.2	ug/L	10.0	10		09/28/15 01:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		09/28/15 01:57	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	10.0	10		09/28/15 01:57	96-18-4	
Vinyl acetate	ND	ug/L	20.0	10		09/28/15 01:57	108-05-4	
Vinyl chloride	ND	ug/L	10.0	10		09/28/15 01:57	75-01-4	
Xylene (Total)	ND	ug/L	20.0	10		09/28/15 01:57	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		09/28/15 01:57	179601-23-1	
o-Xylene	ND	ug/L	10.0	10		09/28/15 01:57	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	10		09/28/15 01:57	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	10		09/28/15 01:57	17060-07-0	
Toluene-d8 (S)	102	%	70-130	10		09/28/15 01:57	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	295	ug/L	10.0	5		10/01/15 15:55	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	50-150	5		10/01/15 15:55	17060-07-0	
Toluene-d8 (S)	83	%	50-150	5		10/01/15 15:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: MW-25-40	Lab ID: 92269043012	Collected: 09/23/15 10:25	Received: 09/24/15 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		09/26/15 07:00	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 07:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 07:00	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 07:00	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 07:00	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 07:00	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 07:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 07:00	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 07:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 07:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 07:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 07:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 07:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 07:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 07:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 07:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 07:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 07:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 07:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 07:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 07:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 07:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 07:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 07:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 07:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 07:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 07:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 07:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 07:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 07:00	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 07:00	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 07:00	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 07:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 07:00	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 07:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 07:00	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 07:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 07:00	108-10-1	
Methyl-tert-butyl ether	1.2	ug/L	1.0	1		09/26/15 07:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 07:00	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 07:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 07:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 07:00	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: MW-25-40	Lab ID: 92269043012	Collected: 09/23/15 10:25	Received: 09/24/15 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		09/26/15 07:00	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 07:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 07:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 07:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 07:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 07:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 07:00	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 07:00	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 07:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 07:00	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 07:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 07:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 07:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%	70-130	1		09/26/15 07:00	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		09/26/15 07:00	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		09/26/15 07:00	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 16:16	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	1		10/01/15 16:16	17060-07-0	
Toluene-d8 (S)	83	%	50-150	1		10/01/15 16:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: EB-092315	Lab ID: 92269043013	Collected: 09/23/15 11:10	Received: 09/24/15 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		09/26/15 03:02	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 03:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 03:02	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 03:02	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 03:02	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 03:02	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 03:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 03:02	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 03:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 03:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 03:02	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 03:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 03:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 03:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 03:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 03:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 03:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 03:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 03:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 03:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 03:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:02	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 03:02	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 03:02	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 03:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 03:02	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 03:02	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 03:02	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 03:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 03:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 03:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 03:02	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 03:02	100-42-5	
1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 03:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 03:02	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: EB-092315	Lab ID: 92269043013	Collected: 09/23/15 11:10	Received: 09/24/15 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		09/26/15 03:02	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 03:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 03:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 03:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 03:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 03:02	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 03:02	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 03:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 03:02	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 03:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 03:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 03:02	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	105	%	70-130	1		09/26/15 03:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		09/26/15 03:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		09/26/15 03:02	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 16:36	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/01/15 16:36	17060-07-0	
Toluene-d8 (S)	83	%	50-150	1		10/01/15 16:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Sample: TRIP BLANK	Lab ID: 92269043014	Collected: 09/21/15 00:00	Received: 09/24/15 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		09/26/15 03:19	67-64-1	
Benzene	ND	ug/L	1.0	1		09/26/15 03:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/26/15 03:19	108-86-1	
Bromoform	ND	ug/L	1.0	1		09/26/15 03:19	74-97-5	
Bromochloromethane	ND	ug/L	1.0	1		09/26/15 03:19	75-27-4	
Bromodichloromethane	ND	ug/L	1.0	1		09/26/15 03:19	75-25-2	
Bromomethane	ND	ug/L	2.0	1		09/26/15 03:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/26/15 03:19	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		09/26/15 03:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/26/15 03:19	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/26/15 03:19	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/26/15 03:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 03:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/26/15 03:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		09/26/15 03:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/26/15 03:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/26/15 03:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/26/15 03:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/26/15 03:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/26/15 03:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/26/15 03:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/26/15 03:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/26/15 03:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/26/15 03:19	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		09/26/15 03:19	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		09/26/15 03:19	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		09/26/15 03:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/26/15 03:19	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	1		09/26/15 03:19	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/26/15 03:19	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		09/26/15 03:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/26/15 03:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/26/15 03:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		09/26/15 03:19	91-20-3	
Styrene	ND	ug/L	1.0	1		09/26/15 03:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 03:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/26/15 03:19	79-34-5	

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ANALYTICAL RESULTS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Sample: TRIP BLANK	Lab ID: 92269043014	Collected: 09/21/15 00:00	Received: 09/24/15 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		09/26/15 03:19	127-18-4	
Toluene	ND	ug/L	1.0	1		09/26/15 03:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/26/15 03:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/26/15 03:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/26/15 03:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/26/15 03:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/26/15 03:19	75-69-4	
1,2,3-Trichloroproppane	ND	ug/L	1.0	1		09/26/15 03:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		09/26/15 03:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/26/15 03:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/26/15 03:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/26/15 03:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/26/15 03:19	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	106	%	70-130	1		09/26/15 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		09/26/15 03:19	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		09/26/15 03:19	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		10/01/15 16:56	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/01/15 16:56	17060-07-0	
Toluene-d8 (S)	84	%	50-150	1		10/01/15 16:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

QC Batch:	MSV/33538	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92269043001, 92269043002, 92269043003, 92269043004, 92269043005, 92269043006, 92269043007, 92269043008, 92269043009, 92269043010, 92269043012, 92269043013, 92269043014		

METHOD BLANK:	1567646	Matrix:	Water
Associated Lab Samples:	92269043001, 92269043002, 92269043003, 92269043004, 92269043005, 92269043006, 92269043007, 92269043008, 92269043009, 92269043010, 92269043012, 92269043013, 92269043014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,1-Dichloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,1-Dichloroethene	ug/L	ND	1.0	09/26/15 01:54	
1,1-Dichloropropene	ug/L	ND	1.0	09/26/15 01:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
1,2,3-Trichloropropane	ug/L	ND	1.0	09/26/15 01:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	09/26/15 01:54	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/26/15 01:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
1,2-Dichloroethane	ug/L	ND	1.0	09/26/15 01:54	
1,2-Dichloropropane	ug/L	ND	1.0	09/26/15 01:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
1,3-Dichloropropane	ug/L	ND	1.0	09/26/15 01:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	09/26/15 01:54	
2,2-Dichloropropane	ug/L	ND	1.0	09/26/15 01:54	
2-Butanone (MEK)	ug/L	ND	5.0	09/26/15 01:54	
2-Chlorotoluene	ug/L	ND	1.0	09/26/15 01:54	
2-Hexanone	ug/L	ND	5.0	09/26/15 01:54	
4-Chlorotoluene	ug/L	ND	1.0	09/26/15 01:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/26/15 01:54	
Acetone	ug/L	ND	25.0	09/26/15 01:54	
Benzene	ug/L	ND	1.0	09/26/15 01:54	
Bromobenzene	ug/L	ND	1.0	09/26/15 01:54	
Bromochloromethane	ug/L	ND	1.0	09/26/15 01:54	
Bromodichloromethane	ug/L	ND	1.0	09/26/15 01:54	
Bromoform	ug/L	ND	1.0	09/26/15 01:54	
Bromomethane	ug/L	ND	2.0	09/26/15 01:54	
Carbon tetrachloride	ug/L	ND	1.0	09/26/15 01:54	
Chlorobenzene	ug/L	ND	1.0	09/26/15 01:54	
Chloroethane	ug/L	ND	1.0	09/26/15 01:54	
Chloroform	ug/L	ND	1.0	09/26/15 01:54	
Chloromethane	ug/L	ND	1.0	09/26/15 01:54	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/26/15 01:54	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/26/15 01:54	
Dibromochloromethane	ug/L	ND	1.0	09/26/15 01:54	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

METHOD BLANK: 1567646

Matrix: Water

Associated Lab Samples: 92269043001, 92269043002, 92269043003, 92269043004, 92269043005, 92269043006, 92269043007, 92269043008, 92269043009, 92269043010, 92269043012, 92269043013, 92269043014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	1.0	09/26/15 01:54	
Dichlorodifluoromethane	ug/L	ND	1.0	09/26/15 01:54	
Diisopropyl ether	ug/L	ND	1.0	09/26/15 01:54	
Ethylbenzene	ug/L	ND	1.0	09/26/15 01:54	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/26/15 01:54	
m&p-Xylene	ug/L	ND	2.0	09/26/15 01:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/26/15 01:54	
Methylene Chloride	ug/L	ND	2.0	09/26/15 01:54	
Naphthalene	ug/L	ND	1.0	09/26/15 01:54	
o-Xylene	ug/L	ND	1.0	09/26/15 01:54	
p-Isopropyltoluene	ug/L	ND	1.0	09/26/15 01:54	
Styrene	ug/L	ND	1.0	09/26/15 01:54	
Tetrachloroethene	ug/L	ND	1.0	09/26/15 01:54	
Toluene	ug/L	ND	1.0	09/26/15 01:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/26/15 01:54	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/26/15 01:54	
Trichloroethene	ug/L	ND	1.0	09/26/15 01:54	
Trichlorofluoromethane	ug/L	ND	1.0	09/26/15 01:54	
Vinyl acetate	ug/L	ND	2.0	09/26/15 01:54	
Vinyl chloride	ug/L	ND	1.0	09/26/15 01:54	
Xylene (Total)	ug/L	ND	2.0	09/26/15 01:54	
1,2-Dichloroethane-d4 (S)	%	99	70-130	09/26/15 01:54	
4-Bromofluorobenzene (S)	%	100	70-130	09/26/15 01:54	
Toluene-d8 (S)	%	101	70-130	09/26/15 01:54	

LABORATORY CONTROL SAMPLE: 1567647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.2	114	70-130	
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	70-130	
1,1,2-Trichloroethane	ug/L	50	56.4	113	70-130	
1,1-Dichloroethane	ug/L	50	57.9	116	70-130	
1,1-Dichloroethene	ug/L	50	59.2	118	70-132	
1,1-Dichloropropene	ug/L	50	56.8	114	70-130	
1,2,3-Trichlorobenzene	ug/L	50	62.5	125	70-135	
1,2,3-Trichloropropane	ug/L	50	52.6	105	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.4	121	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	60.5	121	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	59.2	118	70-130	
1,2-Dichlorobenzene	ug/L	50	60.2	120	70-130	
1,2-Dichloroethane	ug/L	50	52.3	105	70-130	
1,2-Dichloropropane	ug/L	50	56.2	112	70-130	

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

LABORATORY CONTROL SAMPLE: 1567647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	61.1	122	70-130	
1,3-Dichloropropane	ug/L	50	58.5	117	70-130	
1,4-Dichlorobenzene	ug/L	50	57.4	115	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1330	133	71-125 L0	
2,2-Dichloropropane	ug/L	50	53.1	106	58-145	
2-Butanone (MEK)	ug/L	100	115	115	70-145	
2-Chlorotoluene	ug/L	50	60.6	121	70-130	
2-Hexanone	ug/L	100	117	117	70-144	
4-Chlorotoluene	ug/L	50	59.3	119	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	117	117	70-140	
Acetone	ug/L	100	119	119	50-175	
Benzene	ug/L	50	59.9	120	70-130	
Bromobenzene	ug/L	50	58.0	116	70-130	
Bromochloromethane	ug/L	50	58.4	117	70-130	
Bromodichloromethane	ug/L	50	56.1	112	70-130	
Bromoform	ug/L	50	42.2	84	70-130	
Bromomethane	ug/L	50	48.7	97	54-130	
Carbon tetrachloride	ug/L	50	51.0	102	70-132	
Chlorobenzene	ug/L	50	57.7	115	70-130	
Chloroethane	ug/L	50	47.9	96	64-134	
Chloroform	ug/L	50	59.4	119	70-130	
Chloromethane	ug/L	50	56.2	112	64-130	
cis-1,2-Dichloroethene	ug/L	50	60.2	120	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	70-130	
Dibromochloromethane	ug/L	50	48.5	97	70-130	
Dibromomethane	ug/L	50	58.1	116	70-131	
Dichlorodifluoromethane	ug/L	50	46.2	92	56-130	
Diisopropyl ether	ug/L	50	60.1	120	70-130	
Ethylbenzene	ug/L	50	59.0	118	70-130	
Hexachloro-1,3-butadiene	ug/L	50	75.2	150	70-130 L0	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	60.0	120	70-130	
Methylene Chloride	ug/L	50	56.2	112	63-130	
Naphthalene	ug/L	50	65.9	132	70-138	
o-Xylene	ug/L	50	58.9	118	70-130	
p-Isopropyltoluene	ug/L	50	57.7	115	70-130	
Styrene	ug/L	50	53.2	106	70-130	
Tetrachloroethene	ug/L	50	59.7	119	70-130	
Toluene	ug/L	50	57.2	114	70-130	
trans-1,2-Dichloroethene	ug/L	50	60.9	122	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.4	99	70-132	
Trichloroethene	ug/L	50	52.1	104	70-130	
Trichlorofluoromethane	ug/L	50	52.4	105	62-133	
Vinyl acetate	ug/L	100	110	110	66-157	
Vinyl chloride	ug/L	50	56.5	113	50-150	
Xylene (Total)	ug/L	150	177	118	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

LABORATORY CONTROL SAMPLE: 1567647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1567648 1567649

Parameter	Units	92269043001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.4	21.9	102	109	70-130	7	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.6	24.0	113	120	70-130	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.2	21.3	106	106	70-130	0	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.1	23.4	111	117	70-130	6	30	
1,1-Dichloroethane	ug/L	ND	20	20	23.4	24.7	117	124	70-130	5	30	
1,1-Dichloroethene	ug/L	ND	20	20	25.7	26.8	129	134	70-166	4	30	
1,1-Dichloropropene	ug/L	ND	20	20	25.5	26.8	127	134	70-130	5	30	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	23.5	23.7	118	119	70-130	1	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	21.3	20.1	107	100	70-130	6	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	22.6	23.6	113	118	70-130	5	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.6	17.6	103	88	70-130	15	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.9	22.7	114	114	70-130	1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.6	24.1	113	120	70-130	6	30	
1,2-Dichloroethane	ug/L	ND	20	20	19.8	20.5	99	103	70-130	4	30	
1,2-Dichloropropane	ug/L	ND	20	20	22.3	24.0	111	120	70-130	7	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	23.1	25.3	115	127	70-130	9	30	
1,3-Dichloropropane	ug/L	ND	20	20	22.6	23.4	113	117	70-130	3	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	22.1	24.4	111	122	70-130	10	30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	400	537	438	134	110	70-130	20	30	M0
2,2-Dichloropropane	ug/L	ND	20	20	23.3	23.7	117	119	70-130	2	30	
2-Butanone (MEK)	ug/L	ND	40	40	42.0	36.6	105	92	70-130	14	30	
2-Chlorotoluene	ug/L	ND	20	20	25.4	28.2	127	141	70-130	11	30	M1
2-Hexanone	ug/L	ND	40	40	42.4	37.6	106	94	70-130	12	30	
4-Chlorotoluene	ug/L	ND	20	20	23.5	25.7	118	129	70-130	9	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	42.2	39.0	106	97	70-130	8	30	
Acetone	ug/L	ND	40	40	40.4	35.5	101	89	70-130	13	30	
Benzene	ug/L	ND	20	20	24.7	26.3	123	132	70-148	7	30	
Bromobenzene	ug/L	ND	20	20	23.6	24.8	118	124	70-130	5	30	
Bromochloromethane	ug/L	ND	20	20	24.1	25.0	121	125	70-130	4	30	
Bromodichloromethane	ug/L	ND	20	20	21.1	22.2	105	111	70-130	5	30	
Bromoform	ug/L	ND	20	20	17.4	17.3	87	86	70-130	1	30	
Bromomethane	ug/L	ND	20	20	24.2	25.0	121	125	70-130	3	30	
Carbon tetrachloride	ug/L	ND	20	20	22.2	23.5	111	118	70-130	6	30	
Chlorobenzene	ug/L	ND	20	20	23.0	24.1	115	121	70-146	5	30	
Chloroethane	ug/L	ND	20	20	21.7	25.1	108	126	70-130	15	30	
Chloroform	ug/L	ND	20	20	23.1	25.0	115	125	70-130	8	30	
Chloromethane	ug/L	ND	20	20	24.2	24.0	121	120	70-130	1	30	

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

Parameter	Units	92269043001		MS		MSD		1567649		Max		
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD RPD	Qual	
cis-1,2-Dichloroethene	ug/L	ND	20	20	24.3	25.0	121	125	70-130	3	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.5	21.4	102	107	70-130	5	30	
Dibromochloromethane	ug/L	ND	20	20	18.6	20.3	93	102	70-130	9	30	
Dibromomethane	ug/L	ND	20	20	23.1	24.3	116	121	70-130	5	30	
Dichlorodifluoromethane	ug/L	ND	20	20	22.2	22.9	111	115	70-130	3	30	
Diisopropyl ether	ug/L	ND	20	20	23.2	23.6	116	118	70-130	2	30	
Ethylbenzene	ug/L	ND	20	20	23.5	24.8	118	124	70-130	5	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	31.3	30.7	156	153	70-130	2	30	M0
m&p-Xylene	ug/L	ND	40	40	46.3	48.5	116	121	70-130	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.6	24.0	118	120	70-130	2	30	
Methylene Chloride	ug/L	ND	20	20	20.4	21.5	102	108	70-130	5	30	
Naphthalene	ug/L	ND	20	20	24.7	23.1	123	116	70-130	6	30	
o-Xylene	ug/L	ND	20	20	23.6	24.0	118	120	70-130	2	30	
p-Isopropyltoluene	ug/L	ND	20	20	23.3	24.4	117	122	70-130	5	30	
Styrene	ug/L	ND	20	20	21.9	22.9	110	115	70-130	4	30	
Tetrachloroethene	ug/L	ND	20	20	24.1	25.1	121	126	70-130	4	30	
Toluene	ug/L	ND	20	20	23.5	24.6	117	123	70-155	5	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	25.5	26.4	128	132	70-130	3	30	M1
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.1	21.2	100	106	70-130	5	30	
Trichloroethene	ug/L	ND	20	20	22.2	23.7	111	118	69-151	6	30	
Trichlorofluoromethane	ug/L	ND	20	20	25.5	26.6	127	133	70-130	4	30	M1
Vinyl acetate	ug/L	ND	40	40	38.5	39.1	96	98	70-130	2	30	
Vinyl chloride	ug/L	ND	20	20	25.4	26.4	127	132	70-130	4	30	M1
1,2-Dichloroethane-d4 (S)	%						98	96	70-130			
4-Bromofluorobenzene (S)	%						105	104	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

QC Batch:	MSV/33557	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92269043011		

METHOD BLANK: 1568063 Matrix: Water

Associated Lab Samples: 92269043011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,1-Dichloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,1-Dichloroethene	ug/L	ND	1.0	09/27/15 22:50	
1,1-Dichloropropene	ug/L	ND	1.0	09/27/15 22:50	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
1,2,3-Trichloropropane	ug/L	ND	1.0	09/27/15 22:50	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	09/27/15 22:50	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/27/15 22:50	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
1,2-Dichloroethane	ug/L	ND	1.0	09/27/15 22:50	
1,2-Dichloropropane	ug/L	ND	1.0	09/27/15 22:50	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
1,3-Dichloropropane	ug/L	ND	1.0	09/27/15 22:50	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	09/27/15 22:50	
2,2-Dichloropropane	ug/L	ND	1.0	09/27/15 22:50	
2-Butanone (MEK)	ug/L	ND	5.0	09/27/15 22:50	
2-Chlorotoluene	ug/L	ND	1.0	09/27/15 22:50	
2-Hexanone	ug/L	ND	5.0	09/27/15 22:50	
4-Chlorotoluene	ug/L	ND	1.0	09/27/15 22:50	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/27/15 22:50	
Acetone	ug/L	ND	25.0	09/27/15 22:50	
Benzene	ug/L	ND	1.0	09/27/15 22:50	
Bromobenzene	ug/L	ND	1.0	09/27/15 22:50	
Bromochloromethane	ug/L	ND	1.0	09/27/15 22:50	
Bromodichloromethane	ug/L	ND	1.0	09/27/15 22:50	
Bromoform	ug/L	ND	1.0	09/27/15 22:50	
Bromomethane	ug/L	ND	2.0	09/27/15 22:50	
Carbon tetrachloride	ug/L	ND	1.0	09/27/15 22:50	
Chlorobenzene	ug/L	ND	1.0	09/27/15 22:50	
Chloroethane	ug/L	ND	1.0	09/27/15 22:50	
Chloroform	ug/L	ND	1.0	09/27/15 22:50	
Chloromethane	ug/L	ND	1.0	09/27/15 22:50	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/27/15 22:50	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/27/15 22:50	
Dibromochloromethane	ug/L	ND	1.0	09/27/15 22:50	
Dibromomethane	ug/L	ND	1.0	09/27/15 22:50	

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

METHOD BLANK: 1568063

Matrix: Water

Associated Lab Samples: 92269043011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/27/15 22:50	
Diisopropyl ether	ug/L	ND	1.0	09/27/15 22:50	
Ethylbenzene	ug/L	ND	1.0	09/27/15 22:50	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/27/15 22:50	
m&p-Xylene	ug/L	ND	2.0	09/27/15 22:50	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/27/15 22:50	
Methylene Chloride	ug/L	ND	2.0	09/27/15 22:50	
Naphthalene	ug/L	ND	1.0	09/27/15 22:50	
o-Xylene	ug/L	ND	1.0	09/27/15 22:50	
p-Isopropyltoluene	ug/L	ND	1.0	09/27/15 22:50	
Styrene	ug/L	ND	1.0	09/27/15 22:50	
Tetrachloroethene	ug/L	ND	1.0	09/27/15 22:50	
Toluene	ug/L	ND	1.0	09/27/15 22:50	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/27/15 22:50	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/27/15 22:50	
Trichloroethene	ug/L	ND	1.0	09/27/15 22:50	
Trichlorofluoromethane	ug/L	ND	1.0	09/27/15 22:50	
Vinyl acetate	ug/L	ND	2.0	09/27/15 22:50	
Vinyl chloride	ug/L	ND	1.0	09/27/15 22:50	
Xylene (Total)	ug/L	ND	2.0	09/27/15 22:50	
1,2-Dichloroethane-d4 (S)	%	92	70-130	09/27/15 22:50	
4-Bromofluorobenzene (S)	%	101	70-130	09/27/15 22:50	
Toluene-d8 (S)	%	102	70-130	09/27/15 22:50	

LABORATORY CONTROL SAMPLE: 1568064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	70-130	
1,1,1-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	70-130	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethane	ug/L	50	52.3	105	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	70-132	
1,1-Dichloropropene	ug/L	50	53.3	107	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.5	109	70-135	
1,2,3-Trichloropropane	ug/L	50	46.2	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.2	108	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	52.8	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	108	70-130	
1,2-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,2-Dichloroethane	ug/L	50	42.9	86	70-130	
1,2-Dichloropropene	ug/L	50	52.3	105	70-130	
1,3-Dichlorobenzene	ug/L	50	54.4	109	70-130	
1,3-Dichloropropane	ug/L	50	54.6	109	70-130	

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

LABORATORY CONTROL SAMPLE: 1568064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1040	104	71-125	
2,2-Dichloropropane	ug/L	50	45.9	92	58-145	
2-Butanone (MEK)	ug/L	100	98.8	99	70-145	
2-Chlorotoluene	ug/L	50	57.8	116	70-130	
2-Hexanone	ug/L	100	95.1	95	70-144	
4-Chlorotoluene	ug/L	50	52.9	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.0	99	70-140	
Acetone	ug/L	100	96.2	96	50-175	
Benzene	ug/L	50	57.2	114	70-130	
Bromobenzene	ug/L	50	54.0	108	70-130	
Bromochloromethane	ug/L	50	56.0	112	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	37.9	76	70-130	
Bromomethane	ug/L	50	33.2	66	54-130	
Carbon tetrachloride	ug/L	50	44.4	89	70-132	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	45.4	91	64-134	
Chloroform	ug/L	50	51.7	103	70-130	
Chloromethane	ug/L	50	38.6	77	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.7	107	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.1	94	70-130	
Dibromochloromethane	ug/L	50	42.6	85	70-130	
Dibromomethane	ug/L	50	54.3	109	70-131	
Dichlorodifluoromethane	ug/L	50	41.9	84	56-130	
Diisopropyl ether	ug/L	50	50.5	101	70-130	
Ethylbenzene	ug/L	50	52.5	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	64.9	130	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	55.5	111	70-130	
Methylene Chloride	ug/L	50	44.8	90	63-130	
Naphthalene	ug/L	50	62.1	124	70-138	
o-Xylene	ug/L	50	52.0	104	70-130	
p-Isopropyltoluene	ug/L	50	50.0	100	70-130	
Styrene	ug/L	50	49.0	98	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	53.8	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	70-132	
Trichloroethene	ug/L	50	47.8	96	70-130	
Trichlorofluoromethane	ug/L	50	47.1	94	62-133	
Vinyl acetate	ug/L	100	94.8	95	66-157	
Vinyl chloride	ug/L	50	53.1	106	50-150	
Xylene (Total)	ug/L	150	154	102	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

MATRIX SPIKE SAMPLE:	1568066						
Parameter	Units	92269304012	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.0	105	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	22.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.6	113	70-130	
1,1-Dichloroethane	ug/L	ND	20	24.1	121	70-130	
1,1-Dichloroethene	ug/L	ND	20	25.6	128	70-166	
1,1-Dichloropropene	ug/L	ND	20	26.5	133	70-130	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	21.0	105	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	18.8	94	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.5	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	16.4	82	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	23.0	115	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	22.5	113	70-130	
1,2-Dichloroethane	ug/L	ND	20	18.5	92	70-130	
1,2-Dichloropropane	ug/L	ND	20	23.6	118	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	23.4	117	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.5	113	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	22.6	113	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	349	87	70-130	
2,2-Dichloropropane	ug/L	ND	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	ND	40	32.9	82	70-130	
2-Chlorotoluene	ug/L	ND	20	25.0	125	70-130	
2-Hexanone	ug/L	ND	40	33.5	84	70-130	
4-Chlorotoluene	ug/L	ND	20	23.0	115	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	34.8	87	70-130	
Acetone	ug/L	ND	40	31.6	79	70-130	
Benzene	ug/L	ND	20	35.9	180	70-148	M1
Bromobenzene	ug/L	ND	20	23.5	117	70-130	
Bromochloromethane	ug/L	ND	20	26.2	131	70-130	M1
Bromodichloromethane	ug/L	ND	20	20.9	105	70-130	
Bromoform	ug/L	ND	20	17.2	86	70-130	
Bromomethane	ug/L	ND	20	15.7	79	70-130	
Carbon tetrachloride	ug/L	ND	20	20.5	103	70-130	
Chlorobenzene	ug/L	ND	20	23.4	117	70-146	
Chloroethane	ug/L	ND	20	26.3	131	70-130	M1
Chloroform	ug/L	ND	20	23.6	118	70-130	
Chloromethane	ug/L	1.6	20	17.1	78	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	24.8	124	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	21.2	106	70-130	
Dibromochloromethane	ug/L	ND	20	19.0	95	70-130	
Dibromomethane	ug/L	ND	20	23.6	118	70-130	
Dichlorodifluoromethane	ug/L	ND	20	20.6	103	70-130	
Diisopropyl ether	ug/L	ND	20	22.6	113	70-130	
Ethylbenzene	ug/L	ND	20	25.2	126	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	26.7	133	70-130	M1
m&p-Xylene	ug/L	ND	40	51.1	128	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	44.0	220	70-130	M1

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

MATRIX SPIKE SAMPLE:	1568066						
Parameter	Units	92269304012	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	ND	20	18.5	92	70-130	
Naphthalene	ug/L	ND	20	23.8	119	70-130	
o-Xylene	ug/L	ND	20	25.0	125	70-130	
p-Isopropyltoluene	ug/L	ND	20	23.0	115	70-130	
Styrene	ug/L	ND	20	22.0	110	70-130	
Tetrachloroethene	ug/L	ND	20	24.0	120	70-130	
Toluene	ug/L	ND	20	41.0	205	70-155 M1	
trans-1,2-Dichloroethene	ug/L	ND	20	26.3	131	70-130 M1	
trans-1,3-Dichloropropene	ug/L	ND	20	20.5	103	70-130	
Trichloroethene	ug/L	ND	20	22.2	111	69-151	
Trichlorofluoromethane	ug/L	ND	20	24.0	120	70-130	
Vinyl acetate	ug/L	ND	40	32.8	82	70-130	
Vinyl chloride	ug/L	ND	20	26.3	132	70-130 M1	
1,2-Dichloroethane-d4 (S)	%				89	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 1568065

Parameter	Units	92269304011	Dup Result	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	30	
1,1,1-Trichloroethane	ug/L	ND	ND	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	ND	ND	30	
1,1-Dichloroethene	ug/L	ND	ND	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	ND	ND	30	
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	19.8	21.4	8	30
2-Chlorotoluene	ug/L	ND	1.4		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

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD

Pace Project No.: 92269043

SAMPLE DUPLICATE: 1568065

Parameter	Units	92269304011 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	104	106	1	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	ND		30	
Chloromethane	ug/L	4.5	4.9	9	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	17.1	17.2	0	30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	43.4	43.7	1	30	
Methyl-tert-butyl ether	ug/L	1.5	1.5	4	30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	3.0	3.0	0	30	
o-Xylene	ug/L	0.86J	.79J		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	12.6	12.5	1	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	43.4	43.7	1	30	
1,2-Dichloroethane-d4 (S)	%	92	92	0		
4-Bromofluorobenzene (S)	%	103	101	2		
Toluene-d8 (S)	%	99	101	2		

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QUALITY CONTROL DATA

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

QC Batch:	MSV/33604	Analysis Method:	EPA 8260B Mod.
QC Batch Method:	EPA 8260B Mod.	Analysis Description:	8260 MSV SIM
Associated Lab Samples: 92269043001, 92269043002, 92269043003, 92269043004, 92269043005, 92269043006, 92269043007, 92269043008, 92269043009, 92269043010, 92269043011, 92269043012, 92269043013, 92269043014			

METHOD BLANK: 1571305 Matrix: Water
Associated Lab Samples: 92269043001, 92269043002, 92269043003, 92269043004, 92269043005, 92269043006, 92269043007,
92269043008, 92269043009, 92269043010, 92269043011, 92269043012, 92269043013, 92269043014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	10/01/15 11:10	
1,2-Dichloroethane-d4 (S)	%	106	50-150	10/01/15 11:10	
Toluene-d8 (S)	%	84	50-150	10/01/15 11:10	

LABORATORY CONTROL SAMPLE: 1571306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	20.5	103	71-125	
1,2-Dichloroethane-d4 (S)	%			104	50-150	
Toluene-d8 (S)	%			85	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1571307 1571308

Parameter	Units	92269043001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	Max Qual
			Result	Conc.	Result	Result	Rec	Conc.	Limits	RPD	RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	19.5	19.9	98	99	50-150	2	30	
1,2-Dichloroethane-d4 (S)	%						107	106	50-150		150	
Toluene-d8 (S)	%						83	86	50-150		150	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.

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

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 39196-25 KOP-FLEX, HANOVER, MD
Pace Project No.: 92269043

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92269043001	MW-35-298	EPA 8260	MSV/33538		
92269043002	MW-100	EPA 8260	MSV/33538		
92269043003	MW-33-295	EPA 8260	MSV/33538		
92269043004	MW-33-235	EPA 8260	MSV/33538		
92269043005	EB-092115	EPA 8260	MSV/33538		
92269043006	MW-31-280	EPA 8260	MSV/33538		
92269043007	MW-28-210	EPA 8260	MSV/33538		
92269043008	MW-28-45	EPA 8260	MSV/33538		
92269043009	MW-25-190	EPA 8260	MSV/33538		
92269043010	EB-092215	EPA 8260	MSV/33538		
92269043011	MW-25-130	EPA 8260	MSV/33557		
92269043012	MW-25-40	EPA 8260	MSV/33538		
92269043013	EB-092315	EPA 8260	MSV/33538		
92269043014	TRIP BLANK	EPA 8260	MSV/33538		
92269043001	MW-35-298	EPA 8260B Mod.	MSV/33604		
92269043002	MW-100	EPA 8260B Mod.	MSV/33604		
92269043003	MW-33-295	EPA 8260B Mod.	MSV/33604		
92269043004	MW-33-235	EPA 8260B Mod.	MSV/33604		
92269043005	EB-092115	EPA 8260B Mod.	MSV/33604		
92269043006	MW-31-280	EPA 8260B Mod.	MSV/33604		
92269043007	MW-28-210	EPA 8260B Mod.	MSV/33604		
92269043008	MW-28-45	EPA 8260B Mod.	MSV/33604		
92269043009	MW-25-190	EPA 8260B Mod.	MSV/33604		
92269043010	EB-092215	EPA 8260B Mod.	MSV/33604		
92269043011	MW-25-130	EPA 8260B Mod.	MSV/33604		
92269043012	MW-25-40	EPA 8260B Mod.	MSV/33604		
92269043013	EB-092315	EPA 8260B Mod.	MSV/33604		
92269043014	TRIP BLANK	EPA 8260B Mod.	MSV/33604		

REPORT OF LABORATORY ANALYSIS

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Client Name: WSP

* Page 2 of 2 is for Internal Use Only

Courier: FedEx UPS USP Cler Commercial Pace Other _____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used: IR Gun T1402 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1402 No Correction

Corrected Cooler Temp.: 3.5 °C

Biological Tissue is Frozen: Yes No NA

Date and Initials of person examining contents: AC 9-24-15

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Time on EB-092315: (110)</u>
-Includes date/time/ID/Analysis Matrix:	<u>wx</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	<u>1/2</u>	Date: <u>9/24/15</u>
SRF Review:	<u>1/2</u>	Date: <u>9/25/15</u>

WO# : 92269043



92269043

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)



WSP CHAIN-OF-CUSTODY RECORD

4362 - 1

WSP Office Address
3530 Dulles Technology Drive, Suite 300, Herndon, VA
Project Name & Location
Kop-Flex, Hanover, MD
Project No. 3116- 25
Sampler's Name Rob Wallace
Signature
Matt Richardson
Signature

WSP Contact Name Eric Johnson
WSP Contact E-mail Eric.Johnson@wspgroup.com
WSP Contact Phone (703) 709 - 6380

Requested Analysis
No 000843
Page 1 of 48 of 48
Requested TAT Standard
Requested Deliverable
 LEVEL II ERIMS EDD
 LEVEL III GISKEY EDD
 LEVEL IV EQUIS EDD

Sample ID	Preservative						Sample Comments
	Comp/Grab	Collection Date	Collection Time	Matrix	No. of Containers	HCl	
MW-35-298	G	9/21/15	0940	Ag	6	X X X X X X	001
MW-100	G	9/21/15	0900	Ag	6	X X X X X X	002
MS/MSD	G	9/21/15	0946	Ag	6	X X X X X X	003
MW-33-295	G	9/21/15	1340	Ag	6	X X X X X X	004
MW-33-295	G	9/21/15	1618	Ag	6	X X X X X X	005
EB-092115	G	9/21/15	1715	Ag	6	X X X X X X	006
MW-31-280	G	9/22/15	0925	Ag	6	X X X X X X	007
MW-28-210	G	9/22/15	1156	Ag	6	X X X X X X	008
MW-28-45	G	9/22/15	1258	Ag	6	X X X X X X	009
MW-25-190	G	9/22/15	1530	Ag	6	X X X X X X	010
EB-092215	G	09/22/15	1625	Ag	6	X X X X X X	011
MW-25-130	G	09/23/15	0911	Ag	6	X X X X X X	012
MW-25-40	G	09/23/15	1025	Ag	6	X X X X X X	013
EB-092315	G	09/23/15	1025	Ag	6	X X X X X X	014
EB-092315	G	09/23/15	1025	Ag	6	X X X X X X	015
Tri-B	Blank						

Reinforced By (Signature)	Date	Time	Received By (Signature)	Date	Time	Laboratory Name	Laboratory Location	Laboratory Contact	Matrix
	9/23/15	1400	Penny Pace	9/24/15	0930	Pittsburgh, PA	Penny Weisbrod		
Reinforced By (Signature)	Date	Time	Received By (Signature)	Date	Time	Method of Shipment	Airbill No.	Shipping Date	No. of Coolers
						FedEx	808912903509	9/23/15	1
Sample Condition (Laboratory Use Only)			Temp in °C	Received on Ice	Sealed Cooler	Sample Intact	Additional Comments		
			3.5	✓	✓	✓			

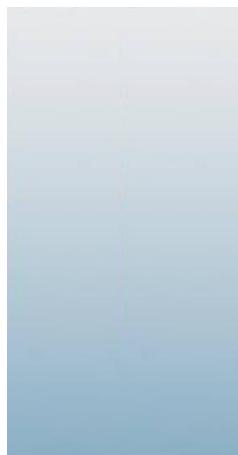
*Use start and stop time/date for composite and air samples. Include single start time and date for all other samples.

Matrix: GW = Groundwater S = Soil SE = Sediment SW = Surface Water WW = Wastewater A = Air W = Wipe B = Bulk Bi = Biota O = Other (detail in comments)
Preservation: I = Ice H = HCl N = HNO₃ S = H₂SO₄ NO = NaOH O = Other (detail in comments)

Enclosure B – Laboratory Report for Residential Well Samples (September 2015)



10/09/15



Technical Report for

WSP

090149-04, Kop-Flex, Hanover, MD

39196-3

Accutest Job Number: JC4725

Sampling Date: 09/24/15

Report to:

**WSP
11190 Sunrise Valley Drive Suite 300
Reston, VA 20190
eric.johnson@wspgroup.com**

ATTN: Eric Johnson

Total number of pages in report: 22



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.

A handwritten signature in black ink that reads "Nancy T. Cole".

Nancy Cole
Laboratory Director

Client Service contact: Mayur Patel 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), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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Sample Summary

WSP

Job No: JC4725

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

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID
JC4725-1	09/24/15	10:44 RW	09/25/15	AQ Water	RW-1231OCM-092415
JC4725-2	09/24/15	12:03 RW	09/25/15	AQ Water	RW-1409BSL-092415
JC4725-3	09/24/15	12:13 RW	09/25/15	AQ Water	RW-1409BSL-092415-F
JC4725-4	09/24/15	15:20 RW	09/25/15	AQ Water	RW-7932AND-092415
JC4725-5	09/24/15	15:20 RW	09/25/15	AQ Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: JC4725
Account: WSP
Project: 090149-04, Kop-Flex, Hanover, MD
Collected: 09/24/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC4725-1 RW-1231OCM-092415

No hits reported in this sample.

JC4725-2 RW-1409BSL-092415

No hits reported in this sample.

JC4725-3 RW-1409BSL-092415-F

No hits reported in this sample.

JC4725-4 RW-7932AND-092415

1,1-Dichloroethane	0.18 J	1.0	0.17	ug/l	SW846 8260C
1,1-Dichloroethene	3.9	1.0	0.51	ug/l	SW846 8260C
1,1,1-Trichloroethane	0.58 J	1.0	0.25	ug/l	SW846 8260C
1,4-Dioxane ^a	2.9	2.0	1.0	ug/l	SW846 8260C BY SIM

JC4725-5 TRIP BLANK

No hits reported in this sample.

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

3

Client Sample ID:	RW-1231OCM-092415	Date Sampled:	09/24/15
Lab Sample ID:	JC4725-1	Date Received:	09/25/15
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C BY SIM		
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C123682.D	1	09/29/15	PS	n/a	n/a	V3C5649
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	1.0	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	113%		36-149%
460-00-4	4-Bromofluorobenzene	99%		34-135%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 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

Page 1 of 2

3

Client Sample ID: RW-1231OCM-092415**Lab Sample ID:** JC4725-1**Matrix:** AQ - Water**Method:** SW846 8260C**Project:** 090149-04, Kop-Flex, Hanover, MD**Date Sampled:** 09/24/15**Date Received:** 09/25/15**Percent Solids:** n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V22164.D	1	10/08/15	DR	n/a	n/a	V4V870
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

3-1
3**Client Sample ID:** RW-1231OCM-092415**Lab Sample ID:** JC4725-1**Date Sampled:** 09/24/15**Matrix:** AQ - Water**Date Received:** 09/25/15**Method:** SW846 8260C**Percent Solids:** n/a**Project:** 090149-04, Kop-Flex, Hanover, MD**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-120%
17060-07-0	1,2-Dichloroethane-D4	99%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3**Client Sample ID:** RW-1409BSL-092415**Lab Sample ID:** JC4725-2**Date Sampled:** 09/24/15**Matrix:** AQ - Water**Date Received:** 09/25/15**Method:** SW846 8260C 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 ^a	3C123683.D	1	09/29/15	PS	n/a	n/a	V3C5649
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	1.0	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	92%		36-149%
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460-00-4	4-Bromofluorobenzene	83%		34-135%
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(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3**Client Sample ID:** RW-1409BSL-092415**Lab Sample ID:** JC4725-2**Matrix:** AQ - Water**Method:** SW846 8260C**Project:** 090149-04, Kop-Flex, Hanover, MD**Date Sampled:** 09/24/15**Date Received:** 09/25/15**Percent Solids:** n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D148809.D	1	10/08/15	BK	n/a	n/a	V2D6250
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-1409BSL-092415	Date Sampled:	09/24/15
Lab Sample ID:	JC4725-2	Date Received:	09/25/15
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	090149-04, Kop-Flex, Hanover, MD		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	108%		73-122%
2037-26-5	Toluene-D8	100%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3**Client Sample ID:** RW-1409BSL-092415-F**Lab Sample ID:** JC4725-3**Date Sampled:** 09/24/15**Matrix:** AQ - Water**Date Received:** 09/25/15**Method:** SW846 8260C 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 ^a	3C123684.D	1	09/29/15	PS	n/a	n/a	V3C5649
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	1.0	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	97%		36-149%
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460-00-4	4-Bromofluorobenzene	88%		34-135%
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(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 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

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3**Client Sample ID:** RW-1409BSL-092415-F**Lab Sample ID:** JC4725-3**Date Sampled:** 09/24/15**Matrix:** AQ - Water**Date Received:** 09/25/15**Method:** SW846 8260C**Percent Solids:** n/a**Project:** 090149-04, Kop-Flex, Hanover, MD

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D148811.D	1	10/08/15	BK	n/a	n/a	V2D6250
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromo(chloromethane)	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3**Client Sample ID:** RW-1409BSL-092415-F**Lab Sample ID:** JC4725-3**Date Sampled:** 09/24/15**Matrix:** AQ - Water**Date Received:** 09/25/15**Method:** SW846 8260C**Percent Solids:** n/a**Project:** 090149-04, Kop-Flex, Hanover, MD**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	108%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	100%		78-117%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3**Client Sample ID:** RW-7932AND-092415**Lab Sample ID:** JC4725-4**Matrix:** AQ - Water**Method:** SW846 8260C BY SIM**Project:** 090149-04, Kop-Flex, Hanover, MD**Date Sampled:** 09/24/15**Date Received:** 09/25/15**Percent Solids:** n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C123685.D	1	09/29/15	PS	n/a	n/a	V3C5649
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	2.9	2.0	1.0	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	89%		36-149%
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460-00-4	4-Bromofluorobenzene	81%		34-135%
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(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 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

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3**Client Sample ID:** RW-7932AND-092415**Lab Sample ID:** JC4725-4**Matrix:** AQ - Water**Method:** SW846 8260C**Project:** 090149-04, Kop-Flex, Hanover, MD**Date Sampled:** 09/24/15**Date Received:** 09/25/15**Percent Solids:** n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D148810.D	1	10/08/15	BK	n/a	n/a	V2D6250
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromo(chloromethane)	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	0.18	1.0	0.17	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	3.9	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3**Client Sample ID:** RW-7932AND-092415**Lab Sample ID:** JC4725-4**Matrix:** AQ - Water**Method:** SW846 8260C**Project:** 090149-04, Kop-Flex, Hanover, MD**Date Sampled:** 09/24/15**Date Received:** 09/25/15**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	0.58	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
	m,p-Xylene	ND	1.0	0.38	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	108%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

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

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Client Sample ID:	TRIP BLANK	Date Sampled:	09/24/15
Lab Sample ID:	JC4725-5	Date Received:	09/25/15
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	090149-04, Kop-Flex, Hanover, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D63405A.D	1	10/08/15	XC	n/a	n/a	V4D2799
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	0.50	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.19	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.37	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.23	ug/l	
75-25-2	Bromoform	ND	1.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.42	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.14	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.19	ug/l	
75-00-3	Chloroethane	ND	1.0	0.34	ug/l	
67-66-3	Chloroform	ND	1.0	0.19	ug/l	
74-87-3	Chloromethane	ND	1.0	0.41	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.19	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.99	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.15	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.23	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.27	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.90	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.17	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.65	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.39	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.15	ug/l	

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Report of Analysis

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3

Client Sample ID:	TRIP BLANK	Date Sampled:	09/24/15
Lab Sample ID:	JC4725-5	Date Received:	09/25/15
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	090149-04, Kop-Flex, Hanover, MD		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.26	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.23	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.27	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.73	ug/l	
91-20-3	Naphthalene	ND	5.0	0.20	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.21	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.18	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.45	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.29	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
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460-00-4	4-Bromofluorobenzene	97%		78-117%

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD

Page of

JC4725: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JC4725 Client: _____ Project: _____
Date / Time Received: 9/25/2015 9:30:00 AM Delivery Method: _____ Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Security	<u>Y or N</u>	<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/> <input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

Cooler Temperature	<u>Y or N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservation	<u>Y or N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/> <input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
P: 732.329.3499

Dayton, New Jersey
www.accutest.com

Sample Integrity - Documentation

- | <u>Y or N</u> | |
|--|--|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Sample Integrity - Condition

- | <u>Y or N</u> | |
|----------------------------------|--|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Condition of sample: | Intact |

Sample Integrity - Instructions

- | <u>Y or N</u> | <u>N/A</u> |
|---|---|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 4. Compositing instructions clear: | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |

JC4725: Chain of Custody
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