

February 15, 2017

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

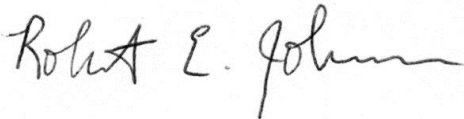
Re: Quarterly Progress Report No. 1
Former Kop-Flex Facility Site, Hanover, Maryland
Administrative Order on Consent, Docket No. RCRA-03-2016-0170 CA

Dear Erich:

On behalf of EMERSUB 16 LLC, a subsidiary of Emerson Electric Co., WSP USA Corp. is submitting this quarterly progress report describing the activities conducted in the fourth quarter 2016 as part of the corrective measures implementation at the Former Kop-Flex Facility Site in Hanover, Maryland. The report also describes the activities planned for the first quarter 2017. This progress report is being submitted to the U.S. Environmental Protection Agency in accordance with the requirement specified in Section IV.C.3 of the Administrative Order on Consent, Docket No. RCRA-03-2016-0170 CA for the site.

If you have any questions, please do not hesitate to contact us at 703-709-6500.

Sincerely yours,



Robert E. Johnson, PhD.
Senior Technical Manager

REJ:rlo

k:\emerson\kop-flex\reporting\status reports\EPA progress reports\cm progress report 1\

Enclosure

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

CERTIFICATION

I certify that the information contained in or accompanying this quarterly progress report is true, accurate, and complete.

As to any portion of this quarterly progress report for which I cannot personally verify accuracy, I certify under penalty of law that this report and all attachments were prepared in accordance with procedures designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, or the immediate supervisor of such person(s), the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature:  _____

Name: Stephen L. Clarke

Title: Vice-President of Environmental Affairs and Real Estate
at Emerson Electric Co., the parent company of
EMERSUB 16, LLC

Quarterly Progress Report No. 1

Former Kop-Flex Facility Site

October 2016 through December 2016

Site Name:	Former Kop-Flex Facility
Site Address:	7565 Harmans Road Hanover, Maryland 21076
Consultant:	WSP USA Corp.
Address:	13530 Dulles Technology Drive, Suite 300 Herndon, Virginia 20171
Phone No.:	(703) 709-6500
Project Coordinator:	Eric Johnson
Alternate:	Lisa Bryda

1.0 Activities Completed During October 2016 – December 2016 Reporting Period

1.1 General

- Pursuant to Section XIII.A of the Administrative Order on Consent (Consent Order) for the site, cost estimates were developed for WSP completing the corrective measures activities specified in the Consent Order. The cost estimates were submitted to the U.S. Environmental Protection Agency (EPA), Region III on January 3, 2017.

1.2 Hydraulic Containment System Construction

- WSP and its subcontractors continued with the construction of the building for the groundwater treatment system, and installation of the water conveyance piping, treatment equipment, and utilities. Construction of the building commenced in early August 2016. Specifically, the following construction work was completed during the October 2016 through December 2016 reporting period:
 - Installation of the water conveyance piping and electrical conduit, and vault boxes for the deep groundwater recovery wells along the southern property boundary;
 - Placement of vault boxes for the shallow groundwater recovery wells and installation of water conveyance laterals from these wells to the main conveyance line;
 - Conducting hydrostatic pressure testing of the water conveyance piping and treated effluent piping from the treatment building to the discharge outfall;
 - Completion of the installation of the walls and roof for the treatment equipment building;
 - Placement and securing of the treatment system components on the concrete pads in the building;
 - Installation of transfer pumps and piping connecting the various treatment system components;
 - Installation of well-head piping inside the vault boxes for both the shallow and deep groundwater recovery wells; and
 - Continuing with the addition of electrical components (including interior and exterior lights) and installation of the gas line to the treatment system building.

Quarterly Progress Report No. 1

Former Kop-Flex Facility Site

October 2016 through December 2016

- During the reporting period, WSP staff continued to participate in weekly construction progress meetings convened by the property owner (Trammell Crow) and its general construction contractor (Glen Arm Building Company).
- For the new and existing monitoring wells, traffic-rated protective covers were set in concrete pads flush with the final surface grade during November 21-22, 2016 and December 13-14, 2016. Given the regrading of the site during development, the top of casing for the majority of the pre-existing monitoring wells had to be adjusted to allow for the placement of the flush-grade protective covers. The location and/or elevation of the new and pre-existing monitoring wells and the recovery wells were surveyed following the installation of the protective covers. The locations of the previous and newly installed monitoring wells are shown in Figure 1.

1.3 Onsite Baseline Groundwater Sampling

- On November 22, 2016, HydraSleeve™ samplers were deployed in all but three of the monitoring wells specified for the collection of water quality data in the Groundwater Monitoring Plan for the site. The samplers placed in these wells were retrieved on December 7 and 8, 2016, which met the minimum 2-week equilibration period. The groundwater samples were analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) SW-846 Test Method 8260B and 1,4-dioxane using modified USEPA SW-846 Test Method 8260B with selective ion monitoring (SIM). Table 1 lists the monitoring wells sampled using the HydraSleeve™, along with the well screen intervals and sampling depths.

After installation of the remaining protective covers and pads in mid-December, HydraSleeve™ samplers were deployed in the three remaining monitoring wells – MW-1D, MW-23D, and MW-41D – on December 14, 2016. The samplers were retrieved on January 2, 2017, and the groundwater samples analyzed for VOCs using SW-846 Test Method 8260B and 1,4-dioxane using modified SW-846 Test Method 8260B with SIM. (See Table 1 for information related to the well construction and sample collection for these wells.)

- In conjunction with the early December 2016 retrieval of the HydraSleeve™ samplers, water samples were collected from the shallow and deep recovery wells at the site on December 6-7, 2016, to gather data on VOC concentrations at these groundwater extraction points. Given the long (30+ foot) screen intervals for the recovery wells, samples were collected using the low-flow sampling method with the pump set at depths believed to correspond to the primary zones for VOC transport. The water samples were analyzed for VOCs using USEPA SW-846 Test Method 8260B and 1,4-dioxane using modified SW-846 Test Method 8260B with SIM.
- During the baseline sampling event, a synoptic round of depth to water measurements was obtained from the recovery wells and the majority of the onsite monitoring wells using an electronic water level indicator. Groundwater elevations were determined from the field measurements and survey information for each well. The elevation data were contoured using geostatistical methods (kriging) to characterize the head variations in both the shallow (unconfined) and deep (confined) portions of the aquifer system.

Groundwater in the shallow zone flows in a generally west-northwest direction across the majority of the site (Figure 2). The relatively high groundwater elevation at the MW-09 location indicates the transient presence of localized southerly flow paths in the eastern portion of the site. Figure 3 depicts the potentiometric surface contours for the confined portion of the Lower Patapsco aquifer

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Former Kop-Flex Facility Site

October 2016 through December 2016

based on the contouring of water level data from the onsite deep monitoring wells. Evaluation of the head contours indicates generally south-southeast flow paths for groundwater in this deeper groundwater zone. Overall, the inferred groundwater flow in both the shallow and deep zones is similar to the flow paths determined from the evaluation of the previous water level data.

- The analytical results for the December 2016 baseline groundwater samples are summarized in Table 2. Copies of the certified laboratory reports for the samples are included in Enclosure A.

The following site-related VOCs were detected above the Maryland Department of the Environment (MDE) groundwater quality standards in samples from multiple monitoring points during the sampling event:

- 1,1,1-trichloroethane (TCA)
- 1,1-dichloroethene (DCE)
- 1,1-dichloroethane (DCA)
- 1,4-dioxane

The analytical results for the primary site-related VOCs listed above are provided in Figure 4 for wells screened in both the shallow (unconfined) and deep (confined) groundwater zones. In the shallow zone, the highest VOC levels were detected in the sample collected from monitoring well MW-16, which is located near the north wall of the South Warehouse in the eastern portion of the loading dock area. Elevated VOC levels (*i.e.*, total concentrations >1 milligram per liter [mg/l]) were also detected in the samples from monitoring wells MW-04 and MW-20 and recovery wells RW-1S and RW-2S. Trace to non-detect levels of the primary VOCs were present in samples from the downgradient monitoring wells, with no detections exceeding the groundwater comparative criteria. Lower VOC concentrations were detected in the groundwater samples collected from the wells completed in the deeper confined zone (Figure 4). For the primary site-related constituents, only 1,1-DCE and 1,4-dioxane were found at levels above the applicable comparative criteria. 1,1-DCE concentrations ranged from below detection limits to 375 µg/l in the sample from monitoring well MW-1D along the southern property boundary. The concentrations of 1,4-dioxane varied from non-detect to greater than 200 µg/l in the samples from monitoring wells MW-1D and MW-16D, and recovery well RW-2D. Overall, the VOC concentrations in the samples from the pre-existing monitoring wells are similar between the December 2016 baseline samples and those collected during previous monitoring events at the site.

2.0 Planned Onsite Activities for Next Reporting Period (January 2017 – March 2017)

- Submit the Use Restriction Implementation Plan and geographical survey coordinates for the restricted areas to the USEPA in accordance with the Consent Order.
- Complete the construction of the treatment equipment building and installation of the water conveyance piping and treatment system.
- Begin the start-up of the hydraulic containment systems in early February 2017.

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Former Kop-Flex Facility Site

October 2016 through December 2016

- Perform groundwater profiling and well installation activities at the Williams-Scotsman property (for which a signed access agreement has already been obtained) to the east of the site.
- Execute an access agreement with Verizon for the performance of groundwater profiling and well installation activities at the Verizon property to the north of the former facility.

3.0 Key Personnel/Facility Changes

During the reporting period, Lisa Bryda replaced Jim Bulman as the Alternate Project Coordinator for WSP.

Figures

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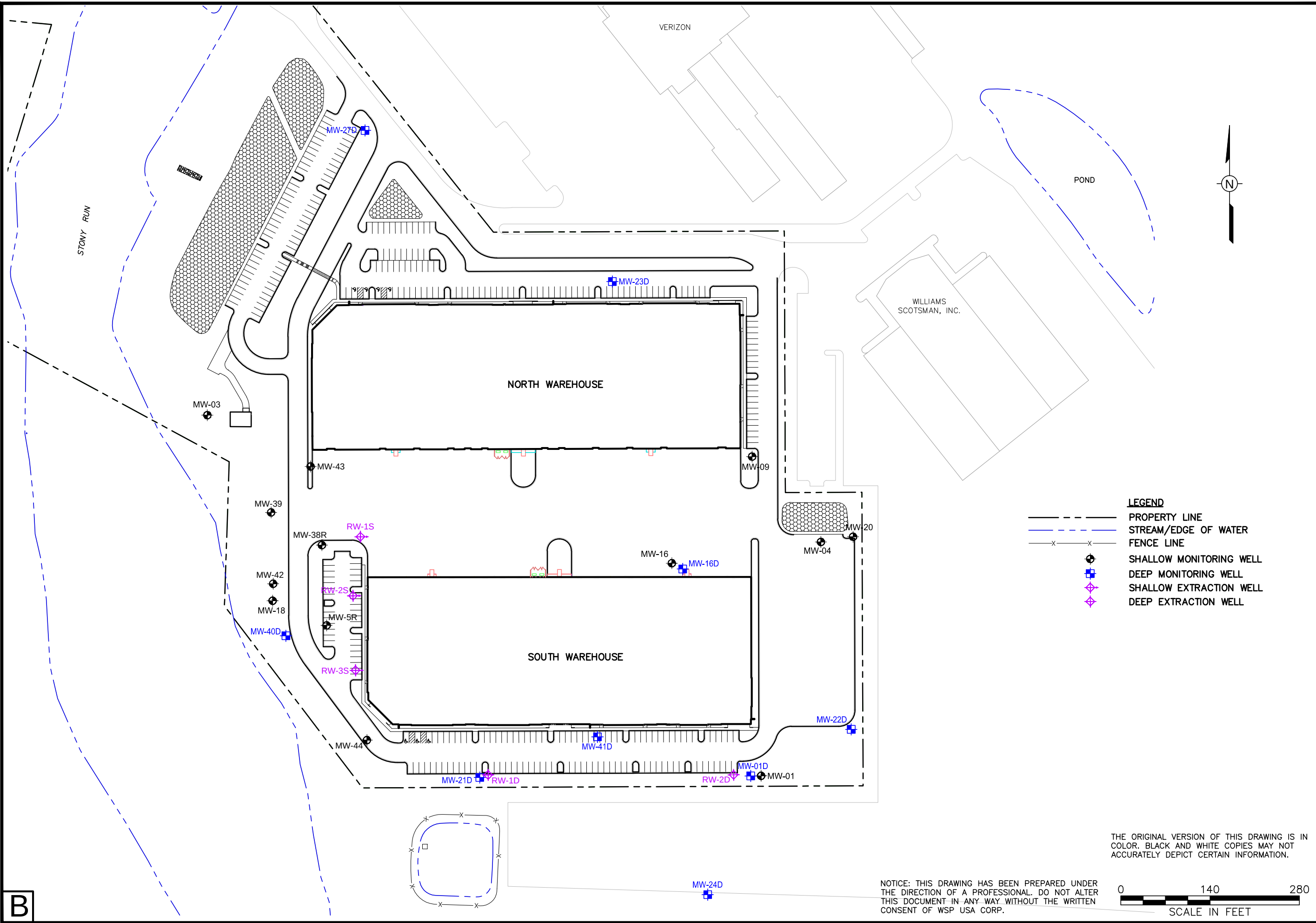


FIGURE 1

GROUNDWATER EXTRACTION WELL AND
MONITORING WELL LOCATIONS

FORMER KOP-FLEX FACILITY SITE
HANOVER, MARYLAND
PREPARED FOR
EMERSUB 16 LLC
ST. LOUIS, MISSOURI

WSP | PARSONS
BRINCKERHOFF

WSP USA Corp.
13530 Dulles Technology Drive, Suite 300
Herndon, Virginia 20171
(703) 709-6500
www.wspgroup.com/usa

Drawn By: EGC

Checked: *RTW 1/17/2017*

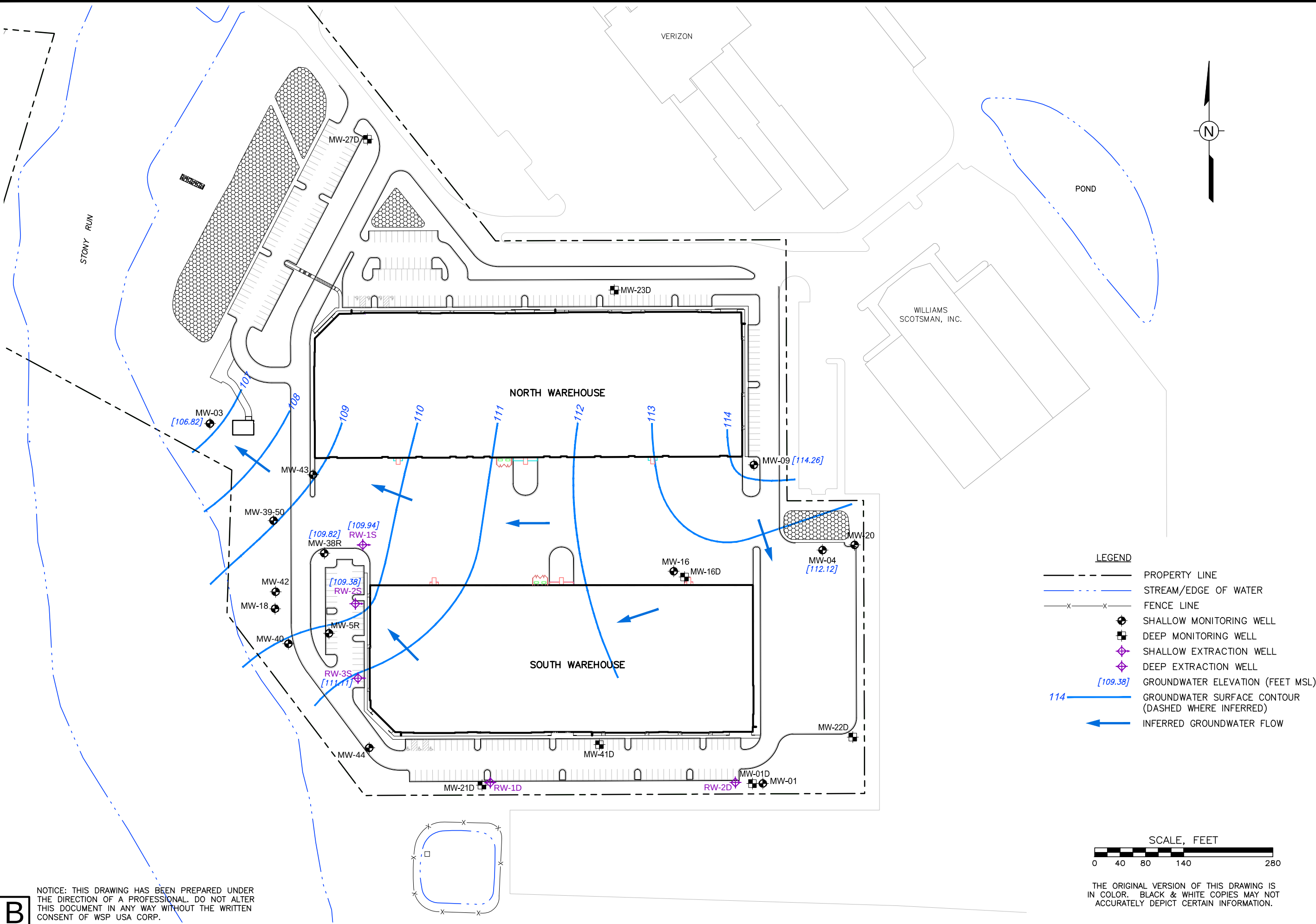
Approved: *REJ 02/13/2017*

DWG Name: 314V0390-011

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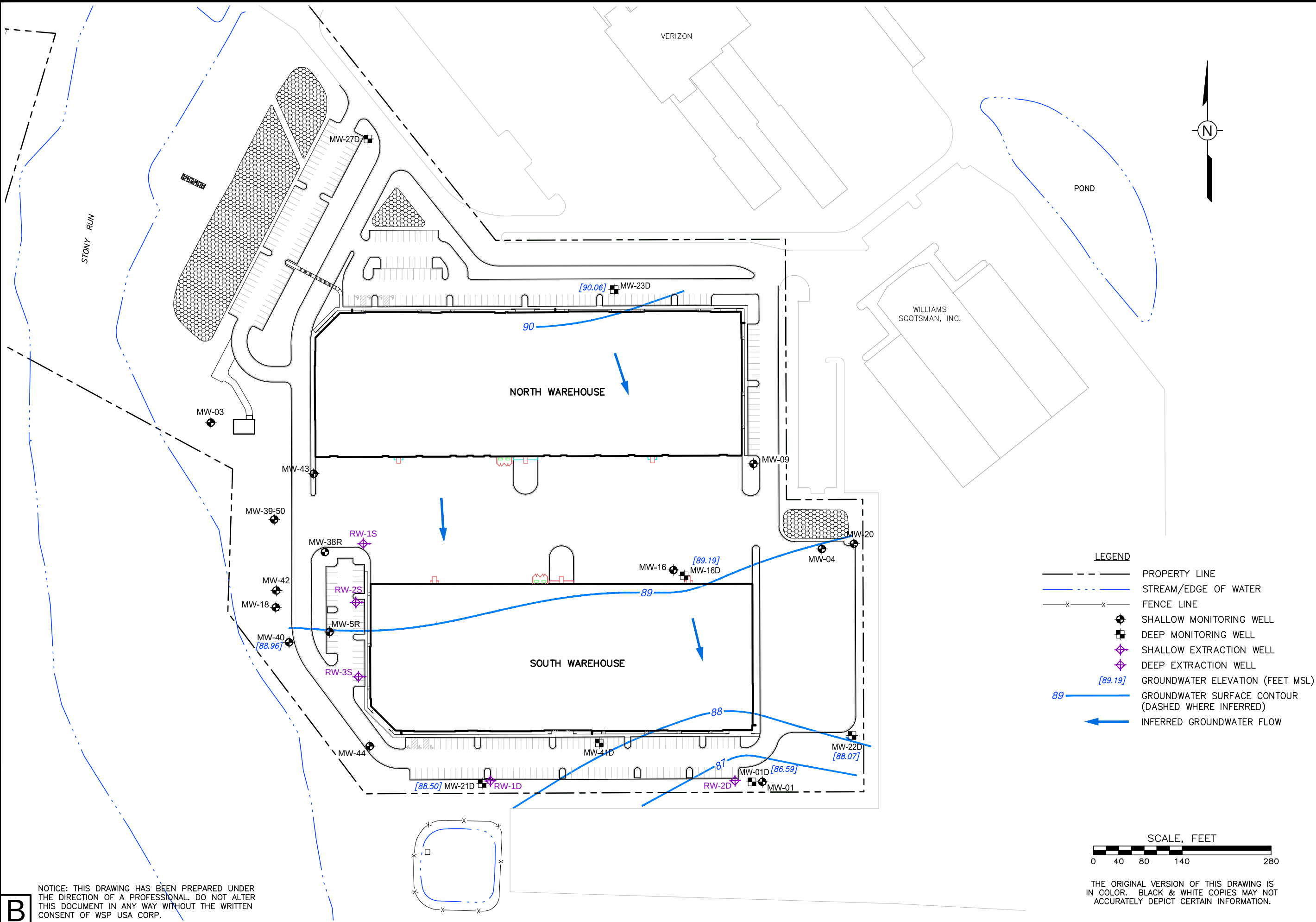


 WSP PARSONS BRINCKERHOFF	FIGURE 2		FORMER KOP-FLEX FACILITY SITE		Drawn By: <i>RA 01272017</i>
	GROUNDWATER SURFACE		HANOVER, MARYLAND		Checked:
	CONTOUR MAP – DECEMBER 2016		PREPARED FOR		Approved:
			EMERSUB 16 LLC		DWG Name: 314P0390-B01
				ST. LOUIS, MISSOURI	

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Drawn By: *RA 01272017*
Checked:
Approved: *REJ 01/30/2017*
DWG Name: 314P0390-B02

FORMER KOP-FLEX FACILITY SITE
HANOVER, MARYLAND
PREPARED FOR
EMERSUB 16 LLC
ST. LOUIS, MISSOURI

FIGURE 3

DEEP GROUNDWATER ELEVATION
CONTOUR MAP - DECEMBER 2016

WSP | **PARSONS**
BRINCKERHOFF
WSP USA Corp.
13530 Dulles Technology Drive, Suite 300
Herndon, Virginia 20171
(703) 709-6500
www.wspgroup.com/usa

Tables

Table 1

**Baseline Monitoring
Well Sampling Information
Former Kop-Flex Facility Site
Hanover, Maryland
December 2016**

Well ID	Top of Casing Elevation (feet MSL)	Depth To Water (feet bgs)	Groundwater Elevation (feet MSL)	Well Depth (feet bgs)	Well Screened Interval (feet bgs)	HydraSleeve Sample Interval (feet bgs)
SHALLOW (UNCONFINED) ZONE						
MW-03	113.6	6.78	106.82	21.7	11.7-21.7	17.7-20.2
MW-04	124.4	12.28	112.12	34.3	24.3-34.3	30.0-32.5
MW-5R	123.5	15.87	107.63	33.0	23.0-33.0	29.0-31.5
MW-09	125.1	10.84	114.26	25.0	15.0-25.0	17.5-20.0
MW-16	124.0	10.92	113.08	50.2	40.2-50.2	42.7-45.2
MW-18	125.1	20.77	104.33	58.3	48.3-58.3	54.0-56.5
MW-20	125.4	14.69	110.71	50.0	45.0-50.0	44.5-46.0
MW-38R	125.4	15.58	109.82	33.3	23.3-33.3	29.0-31.5
MW-39	124.6	20.92	103.68	54.0	44.0-54.0	50.0-52.5
MW-42	125.9	16.18	109.72	33.2	23.2-33.2	29.0-31.5
MW-43	122.8	19.25	103.55	47.5	37.5-47.5	43.0-45.5
MW-44	127.1	14.93	112.17	42.8	32.8-42.8	38.0-40.5
DEEP (CONFINED) ZONE						
MW-1D	129.4	42.81	86.59	112.2	102.2-112.2	108.2-110.7
MW-16D	124.1	34.91	89.19	100.2	90.2-100.2	92.7-95.2
MW-21D	126.3	37.8	88.50	106.0	96.0-106.0	102.0-104.5
MW-22D	128.9	40.78	88.12	114.9	104.9-114.9	111.0-113.5
MW-23D	125.2	35.14	90.06	95.0	85.0-95.0	91.0-93.5
MW-27D	117.2	29.66	87.54	117.3	107.3-117.3	113.0-115.5
MW-40D	124.1	35.14	88.96	95.8	85.8-95.8	91.0-93.5
MW-41D	127.1	41.98	85.12	164.0	154.0-164.0	160.0-162.5

a/ MSL = mean sea level; bgs = below ground surface

Table 2
Baseline Groundwater Sampling Results (a)
Former Kop-Flex Facility Site
Hanover, Maryland
December 2016

Analyte (b)	Groundwater Quality Criteria (ug/L) (c)	SHALLOW GROUNDWATER ZONE												
		Monitoring Wells												
		MW-03 <u>12/8/2016</u>	MW-04 <u>12/7/2016</u>	MW-5R <u>12/7/2016</u>	MW-09 <u>12/8/2016</u>	MW-16 <u>12/8/2016</u>	MW-200 <u>12/8/2016</u>	MW-18 <u>12/7/2016</u>	MW-20 <u>12/7/2016</u>	MW-38R <u>12/7/2016</u>	MW-39 <u>12/7/2006</u>	MW-42 <u>12/7/2016</u>	MW-43 <u>12/7/2016</u>	MW-44 <u>12/7/2016</u>
Acetone	550	25.0 U	250 U	25.0 U	25.0 U	5000 U	3120 U	25.0 U	50.0 U	25.0 U	25.0 U	25.0 U	50.0 U	25.0 U
2-Butanone	700	5.0 U	50 U	5.0 U	5.0 U	1000 U	625 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U
Chloroethane	3.6	1.0 U	10 U	1.0 U	1.0 U	200 U	125 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethane	90	1.0 U	259	1.0 U	4.5	6420	6060	1.0 U	99.7	3.8	1.0 U	1.0 U	15.9	1.0 U
1,2-Dichloroethane	5	1.0 U	10 U	1.0 U	1.0 U	200 U	125 U	1.0 U	5.1	1.0 U	1.0 U	1.0 U	2.1	1.0 U
1,1-Dichloroethene	7	1.0 U	1020	1.0 U	104	26200	24500	1.0 U	173	1.0 U	1.7	1.0 U	171	1.0 U
cis-1,2-Dichloroethene	70	1.0 U	10 U	1.0 U	1.0 U	200 U	125 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,4-Dioxane (p-Dioxane)	6.7 (d)	4.6	576	16.5	95.5	1450	1390	2.0 U	767	18.3	2.5	4.8	237	2.0 U
Methyl-tert-butyl ether	20	1.0 U	10 U	1.0 U	1.0 U	200 U	125 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	9.3	1.0 U
Methylene Chloride	5	1.0 U	10 U	1.0 U	1.0 U	200 U	125 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1,1-Trichloroethane	200	1.0 U	31.7	1.4	1.0 U	4390	4330	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U

a/ U = not detected at a concentration
above the method detection limit
Highlighted number indicates concentration
above the groundwater quality criteria
b/ All concentrations in micrograms per liter (µg/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
e/ MW-200 is a duplicate of MW-16
f/ MW-100 is a duplicate of RW-2D

Table 2
Baseline Groundwater Sampling Results (a)
Former Kop-Flex Facility Site
Hanover, Maryland
December 2016

Analyte (b)	Groundwater Quality Criteria (ug/L) (c)	SHALLOW ZONE			DEEP GROUNDWATER ZONE										
		Recovery Wells			Monitoring Wells								Recovery Wells		
		RW-1S 12/7/2016	RW-2S 12/6/2016	RW-3S 12/6/2016	MW-01D 1/2/2017	MW-16D 12/8/2016	MW-21D 12/7/2016	MW-22D 12/7/2016	MW-23D 1/2/2017	MW-27D 12/7/2016	MW-40D 12/7/2016	MW-41D 1/2/2017	RW-1D 12/6/2016	RW-2D 12/6/2016	MW-100 (f) 12/6/2016
Acetone	550	125.0 U	125.0 U	25.0 U	50.0 U	50.0 U	25.0 U	25.0 U	50.0 U	25.0 U	25.0 U	25.0 U	172	50.0 U	50.0 U
2-Butanone	700	25.0 U	25.0 U	5.0 U	10.0 U	10.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	137	10.0 U	10.0 U
Chloroethane	3.6	5.0 U	5.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,1-Dichloroethane	90	468	198	4.6	72	56.6	2.6	2.5	26.4	1.0 U	2.9	1.0 U	4.4	64	66.5
1,2-Dichloroethane	5	5.0 U	5.0 U	1.0 U	4.7	2.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3	3.3
1,1-Dichloroethene	7	957	971	7.2	375	254	23.4	31.5	140	1.0 U	18.1	1.0 U	39.3	257	278
cis-1,2-Dichloroethene	70	6.3	5.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,4-Dioxane (p-Dioxane)	6.7 (d)	1420	1190	5.9	236	202	18.6	24.5	151	2.0 U	9.4	2.8	34.4	206	220
Methyl-tert-butyl ether	20	5.0 U	5.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2 U	2 U
Methylene Chloride	5	10.0 U	10.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	8.3	1.0 U	1.0 U	1.0 U	2 U	4 U	4 U
1,1,1-Trichloroethane	200	59.3	232	1.4	37.5	20.7	1.0 U	4.1	17.0	1.0 U	1.0 U	1.0 U	1.0 U	26.5	28.6

a/ U = not detected at a concentration
above the method detection limit
Highlighted number indicates concentration
above the groundwater quality criteria
b/ All concentrations in micrograms per liter (µg/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
e/ MW-200 is a duplicate of MW-16
f/ MW-100 is a duplicate of RW-2D

Enclosure A – Certified Laboratory Reports for Baseline Groundwater Samples

December 15, 2016

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

RE: Project: FORMER KOP-FLEX ONSITE
Pace Project No.: 92322711

Dear Eric Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Charlotte Certification IDs

9800 Kinsey 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
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92322711001	MW-5R	Water	12/07/16 12:50	12/09/16 10:07
92322711002	MW-42	Water	12/07/16 13:20	12/09/16 10:07
92322711003	MW-18	Water	12/07/16 13:45	12/09/16 10:07
92322711004	MW-40D	Water	12/07/16 14:05	12/09/16 10:07
92322711005	MW-44	Water	12/07/16 14:30	12/09/16 10:07
92322711006	MW-21D	Water	12/07/16 14:55	12/09/16 10:07
92322711007	MW-22D	Water	12/07/16 15:25	12/09/16 10:07
92322711008	MW-20	Water	12/07/16 15:50	12/09/16 10:07
92322711009	MW-04	Water	12/07/16 16:10	12/09/16 10:07
92322711010	MW-09	Water	12/08/16 07:40	12/09/16 10:07
92322711011	MW-16D	Water	12/08/16 08:10	12/09/16 10:07
92322711012	RW-2D-120616	Water	12/06/16 11:30	12/09/16 10:07
92322711013	RW-1D-120616	Water	12/06/16 13:55	12/09/16 10:07
92322711014	EB-120616	Water	12/06/16 14:10	12/09/16 10:07
92322711015	RW-3S-120616	Water	12/06/16 15:20	12/09/16 10:07
92322711016	RW-2S-120616	Water	12/06/16 16:20	12/09/16 10:07
92322711017	RW-1S-120716	Water	12/07/16 08:35	12/09/16 10:07
92322711018	MW-27D-120716	Water	12/07/16 09:30	12/09/16 10:07
92322711019	MW-39-120716	Water	12/07/16 10:00	12/09/16 10:07
92322711020	MW-43-120716	Water	12/07/16 10:20	12/09/16 10:07
92322711021	MW-38R-120716	Water	12/07/16 10:35	12/09/16 10:07
92322711022	MW-16-120816	Water	12/08/16 08:40	12/09/16 10:07
92322711023	MW-200-120816	Water	12/08/16 08:00	12/09/16 10:07
92322711024	MW-03-120816	Water	12/08/16 09:30	12/09/16 10:07
92322711025	TRIP BLANKS	Water	12/07/16 00:00	12/09/16 10:07
92322711026	MW-100-120616	Water	12/06/16 12:00	12/09/16 10:07

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SAMPLE ANALYTE COUNT

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92322711001	MW-5R	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711002	MW-42	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711003	MW-18	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711004	MW-40D	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711005	MW-44	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711006	MW-21D	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711007	MW-22D	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711008	MW-20	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711009	MW-04	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711010	MW-09	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711011	MW-16D	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711012	RW-2D-120616	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711013	RW-1D-120616	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711014	EB-120616	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711015	RW-3S-120616	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711016	RW-2S-120616	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711017	RW-1S-120716	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711018	MW-27D-120716	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92322711019	MW-39-120716	EPA 8260	ZDO	64	PASI-C

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SAMPLE ANALYTE COUNT

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92322711020	MW-43-120716	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711021	MW-38R-120716	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711022	MW-16-120816	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711023	MW-200-120816	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711024	MW-03-120816	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711025	TRIP BLANKS	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
92322711026	MW-100-120616	EPA 8260B Mod.	DLK	3	PASI-C
		EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-5R		Lab ID: 92322711001		Collected: 12/07/16 12:50		Received: 12/09/16 10:07		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		12/13/16 07:14	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 07:14	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 07:14	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 07:14	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 07:14	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 07:14	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 07:14	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 07:14	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 07:14	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 07:14	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 07:14	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 07:14	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 07:14	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 07:14	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 07:14	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 07:14	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 07:14	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 07:14	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 07:14	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		12/13/16 07:14	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 07:14	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:14	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:14	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:14	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:14	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:14	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:14	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 07:14	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 07:14	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 07:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 07:14	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 07:14	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 07:14	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 07:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 07:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 07:14	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 07:14	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 07:14	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 07:14	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 07:14	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-5R		Lab ID: 92322711001		Collected: 12/07/16 12:50		Received: 12/09/16 10:07		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		12/13/16 07:14	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 07:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:14	120-82-1		
1,1,1-Trichloroethane	1.4	ug/L	1.0	1		12/13/16 07:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 07:14	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 07:14	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 07:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 07:14	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 07:14	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 07:14	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 07:14	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 07:14	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 07:14	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130	1		12/13/16 07:14	460-00-4		
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		12/13/16 07:14	17060-07-0		
Toluene-d8 (S)	111	%	70-130	1		12/13/16 07:14	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	16.5	ug/L	2.0	1		12/12/16 14:27	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	50-150	1		12/12/16 14:27	17060-07-0		
Toluene-d8 (S)	89	%	50-150	1		12/12/16 14:27	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-42		Lab ID: 92322711002	Collected: 12/07/16 13:20	Received: 12/09/16 10:07	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		12/13/16 06:04	67-64-1	
Benzene	ND	ug/L	1.0	1		12/13/16 06:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/13/16 06:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 06:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 06:04	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/13/16 06:04	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/13/16 06:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 06:04	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 06:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 06:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/13/16 06:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/13/16 06:04	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/13/16 06:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 06:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 06:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 06:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 06:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 06:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/13/16 06:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 06:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/13/16 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:04	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 06:04	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 06:04	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 06:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 06:04	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/13/16 06:04	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 06:04	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 06:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 06:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 06:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/13/16 06:04	91-20-3	
Styrene	ND	ug/L	1.0	1		12/13/16 06:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 06:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 06:04	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-42		Lab ID: 92322711002		Collected: 12/07/16 13:20		Received: 12/09/16 10:07		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		12/13/16 06:04	127-18-4	
Toluene		ND	ug/L	1.0	1		12/13/16 06:04	108-88-3	
1,2,3-Trichlorobenzene		ND	ug/L	1.0	1		12/13/16 06:04	87-61-6	
1,2,4-Trichlorobenzene		ND	ug/L	1.0	1		12/13/16 06:04	120-82-1	
1,1,1-Trichloroethane		ND	ug/L	1.0	1		12/13/16 06:04	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	1.0	1		12/13/16 06:04	79-00-5	
Trichloroethene		ND	ug/L	1.0	1		12/13/16 06:04	79-01-6	
Trichlorofluoromethane		ND	ug/L	1.0	1		12/13/16 06:04	75-69-4	
1,2,3-Trichloropropane		ND	ug/L	1.0	1		12/13/16 06:04	96-18-4	
Vinyl acetate		ND	ug/L	2.0	1		12/13/16 06:04	108-05-4	
Vinyl chloride		ND	ug/L	1.0	1		12/13/16 06:04	75-01-4	
Xylene (Total)		ND	ug/L	1.0	1		12/13/16 06:04	1330-20-7	
m&p-Xylene		ND	ug/L	2.0	1		12/13/16 06:04	179601-23-1	
o-Xylene		ND	ug/L	1.0	1		12/13/16 06:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)		101	%	70-130	1		12/13/16 06:04	460-00-4	
1,2-Dichloroethane-d4 (S)		94	%	70-130	1		12/13/16 06:04	17060-07-0	
Toluene-d8 (S)		107	%	70-130	1		12/13/16 06:04	2037-26-5	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)		4.8	ug/L	2.0	1		12/12/16 14:45	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)		101	%	50-150	1		12/12/16 14:45	17060-07-0	
Toluene-d8 (S)		90	%	50-150	1		12/12/16 14:45	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-18		Lab ID: 92322711003		Collected: 12/07/16 13:45		Received: 12/09/16 10:07		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			12/12/16 23:57	67-64-1	
Benzene	ND	ug/L	1.0	1			12/12/16 23:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1			12/12/16 23:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1			12/12/16 23:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1			12/12/16 23:57	75-27-4	
Bromoform	ND	ug/L	1.0	1			12/12/16 23:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1			12/12/16 23:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1			12/12/16 23:57	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1			12/12/16 23:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1			12/12/16 23:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1			12/12/16 23:57	75-00-3	
Chloroform	ND	ug/L	1.0	1			12/12/16 23:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1			12/12/16 23:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1			12/12/16 23:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1			12/12/16 23:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1			12/12/16 23:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1			12/12/16 23:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1			12/12/16 23:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1			12/12/16 23:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1			12/12/16 23:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1			12/12/16 23:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1			12/12/16 23:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1			12/12/16 23:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1			12/12/16 23:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1			12/12/16 23:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1			12/12/16 23:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1			12/12/16 23:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1			12/12/16 23:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1			12/12/16 23:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1			12/12/16 23:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1			12/12/16 23:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1			12/12/16 23:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1			12/12/16 23:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1			12/12/16 23:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1			12/12/16 23:57	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1			12/12/16 23:57	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1			12/12/16 23:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1			12/12/16 23:57	87-68-3	
2-Hexanone	ND	ug/L	5.0	1			12/12/16 23:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1			12/12/16 23:57	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1			12/12/16 23:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1			12/12/16 23:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1			12/12/16 23:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	1			12/12/16 23:57	91-20-3	
Styrene	ND	ug/L	1.0	1			12/12/16 23:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1			12/12/16 23:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1			12/12/16 23:57	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-18		Lab ID: 92322711003		Collected: 12/07/16 13:45		Received: 12/09/16 10:07		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		12/12/16 23:57	127-18-4		
Toluene	ND	ug/L	1.0	1		12/12/16 23:57	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/12/16 23:57	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/12/16 23:57	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/12/16 23:57	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/12/16 23:57	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/12/16 23:57	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/12/16 23:57	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/12/16 23:57	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/12/16 23:57	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/12/16 23:57	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/12/16 23:57	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/12/16 23:57	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/12/16 23:57	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130	1		12/12/16 23:57	460-00-4		
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		12/12/16 23:57	17060-07-0		
Toluene-d8 (S)	108	%	70-130	1		12/12/16 23:57	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		12/12/16 15:04	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	50-150	1		12/12/16 15:04	17060-07-0		
Toluene-d8 (S)	89	%	50-150	1		12/12/16 15:04	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-40D		Lab ID: 92322711004		Collected: 12/07/16 14:05		Received: 12/09/16 10:07		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			12/13/16 07:49	67-64-1	
Benzene	ND	ug/L	1.0	1			12/13/16 07:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	1			12/13/16 07:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1			12/13/16 07:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1			12/13/16 07:49	75-27-4	
Bromoform	ND	ug/L	1.0	1			12/13/16 07:49	75-25-2	
Bromomethane	ND	ug/L	2.0	1			12/13/16 07:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1			12/13/16 07:49	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1			12/13/16 07:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1			12/13/16 07:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1			12/13/16 07:49	75-00-3	
Chloroform	ND	ug/L	1.0	1			12/13/16 07:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1			12/13/16 07:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 07:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 07:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1			12/13/16 07:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1			12/13/16 07:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1			12/13/16 07:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1			12/13/16 07:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 07:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 07:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 07:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1			12/13/16 07:49	75-71-8	
1,1-Dichloroethane	2.9	ug/L	1.0	1			12/13/16 07:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1			12/13/16 07:49	107-06-2	
1,1-Dichloroethene	18.1	ug/L	1.0	1			12/13/16 07:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 07:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 07:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 07:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1			12/13/16 07:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 07:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1			12/13/16 07:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 07:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 07:49	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1			12/13/16 07:49	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1			12/13/16 07:49	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1			12/13/16 07:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1			12/13/16 07:49	87-68-3	
2-Hexanone	ND	ug/L	5.0	1			12/13/16 07:49	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1			12/13/16 07:49	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1			12/13/16 07:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1			12/13/16 07:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1			12/13/16 07:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	1			12/13/16 07:49	91-20-3	
Styrene	ND	ug/L	1.0	1			12/13/16 07:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 07:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 07:49	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-40D		Lab ID: 92322711004		Collected: 12/07/16 14:05		Received: 12/09/16 10:07		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		12/13/16 07:49	127-18-4	
Toluene		ND	ug/L	1.0	1		12/13/16 07:49	108-88-3	
1,2,3-Trichlorobenzene		ND	ug/L	1.0	1		12/13/16 07:49	87-61-6	
1,2,4-Trichlorobenzene		ND	ug/L	1.0	1		12/13/16 07:49	120-82-1	
1,1,1-Trichloroethane		ND	ug/L	1.0	1		12/13/16 07:49	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	1.0	1		12/13/16 07:49	79-00-5	
Trichloroethene		ND	ug/L	1.0	1		12/13/16 07:49	79-01-6	
Trichlorofluoromethane		ND	ug/L	1.0	1		12/13/16 07:49	75-69-4	
1,2,3-Trichloropropane		ND	ug/L	1.0	1		12/13/16 07:49	96-18-4	
Vinyl acetate		ND	ug/L	2.0	1		12/13/16 07:49	108-05-4	
Vinyl chloride		ND	ug/L	1.0	1		12/13/16 07:49	75-01-4	
Xylene (Total)		ND	ug/L	1.0	1		12/13/16 07:49	1330-20-7	
m&p-Xylene		ND	ug/L	2.0	1		12/13/16 07:49	179601-23-1	
o-Xylene		ND	ug/L	1.0	1		12/13/16 07:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)		101	%	70-130	1		12/13/16 07:49	460-00-4	
1,2-Dichloroethane-d4 (S)		93	%	70-130	1		12/13/16 07:49	17060-07-0	
Toluene-d8 (S)		104	%	70-130	1		12/13/16 07:49	2037-26-5	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)		9.4	ug/L	2.0	1		12/12/16 15:23	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)		104	%	50-150	1		12/12/16 15:23	17060-07-0	
Toluene-d8 (S)		91	%	50-150	1		12/12/16 15:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-44		Lab ID: 92322711005		Collected: 12/07/16 14:30		Received: 12/09/16 10:07		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			12/13/16 06:21	67-64-1	
Benzene	ND	ug/L	1.0	1			12/13/16 06:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	1			12/13/16 06:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1			12/13/16 06:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1			12/13/16 06:21	75-27-4	
Bromoform	ND	ug/L	1.0	1			12/13/16 06:21	75-25-2	
Bromomethane	ND	ug/L	2.0	1			12/13/16 06:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1			12/13/16 06:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1			12/13/16 06:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1			12/13/16 06:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1			12/13/16 06:21	75-00-3	
Chloroform	ND	ug/L	1.0	1			12/13/16 06:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1			12/13/16 06:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 06:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 06:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1			12/13/16 06:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1			12/13/16 06:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1			12/13/16 06:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1			12/13/16 06:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 06:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 06:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 06:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1			12/13/16 06:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1			12/13/16 06:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1			12/13/16 06:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1			12/13/16 06:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 06:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 06:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 06:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1			12/13/16 06:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 06:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1			12/13/16 06:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 06:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 06:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1			12/13/16 06:21	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1			12/13/16 06:21	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1			12/13/16 06:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1			12/13/16 06:21	87-68-3	
2-Hexanone	ND	ug/L	5.0	1			12/13/16 06:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1			12/13/16 06:21	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1			12/13/16 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1			12/13/16 06:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1			12/13/16 06:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	1			12/13/16 06:21	91-20-3	
Styrene	ND	ug/L	1.0	1			12/13/16 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 06:21	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-44		Lab ID: 92322711005		Collected: 12/07/16 14:30		Received: 12/09/16 10:07		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		12/13/16 06:21	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 06:21	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:21	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:21	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 06:21	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 06:21	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 06:21	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 06:21	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 06:21	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 06:21	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 06:21	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 06:21	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 06:21	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 06:21	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	1		12/13/16 06:21	460-00-4		
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		12/13/16 06:21	17060-07-0		
Toluene-d8 (S)	107	%	70-130	1		12/13/16 06:21	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		12/12/16 15:41	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	50-150	1		12/12/16 15:41	17060-07-0		
Toluene-d8 (S)	89	%	50-150	1		12/12/16 15:41	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-21D		Lab ID: 92322711006		Collected: 12/07/16 14:55		Received: 12/09/16 10:07		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			12/13/16 00:14	67-64-1	M1
Benzene	ND	ug/L	1.0	1			12/13/16 00:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1			12/13/16 00:14	108-86-1	M1
Bromochloromethane	ND	ug/L	1.0	1			12/13/16 00:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1			12/13/16 00:14	75-27-4	
Bromoform	ND	ug/L	1.0	1			12/13/16 00:14	75-25-2	M1
Bromomethane	ND	ug/L	2.0	1			12/13/16 00:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1			12/13/16 00:14	78-93-3	M1
Carbon tetrachloride	ND	ug/L	1.0	1			12/13/16 00:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1			12/13/16 00:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1			12/13/16 00:14	75-00-3	
Chloroform	ND	ug/L	1.0	1			12/13/16 00:14	67-66-3	
Chloromethane	ND	ug/L	1.0	1			12/13/16 00:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 00:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 00:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1			12/13/16 00:14	96-12-8	M1
Dibromochloromethane	ND	ug/L	1.0	1			12/13/16 00:14	124-48-1	M1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1			12/13/16 00:14	106-93-4	M1
Dibromomethane	ND	ug/L	1.0	1			12/13/16 00:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 00:14	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 00:14	541-73-1	M1
1,4-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 00:14	106-46-7	M1
Dichlorodifluoromethane	ND	ug/L	1.0	1			12/13/16 00:14	75-71-8	
1,1-Dichloroethane	2.6	ug/L	1.0	1			12/13/16 00:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1			12/13/16 00:14	107-06-2	
1,1-Dichloroethene	23.4	ug/L	1.0	1			12/13/16 00:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 00:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 00:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 00:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1			12/13/16 00:14	142-28-9	M1
2,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 00:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1			12/13/16 00:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 00:14	10061-01-5	M1
trans-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 00:14	10061-02-6	M1
Diisopropyl ether	ND	ug/L	1.0	1			12/13/16 00:14	108-20-3	M1
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1			12/13/16 00:14	123-91-1	L3,M0
Ethylbenzene	ND	ug/L	1.0	1			12/13/16 00:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1			12/13/16 00:14	87-68-3	
2-Hexanone	ND	ug/L	5.0	1			12/13/16 00:14	591-78-6	M1
p-Isopropyltoluene	ND	ug/L	1.0	1			12/13/16 00:14	99-87-6	M1
Methylene Chloride	ND	ug/L	2.0	1			12/13/16 00:14	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1			12/13/16 00:14	108-10-1	M1
Methyl-tert-butyl ether	ND	ug/L	1.0	1			12/13/16 00:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	1			12/13/16 00:14	91-20-3	M1
Styrene	ND	ug/L	1.0	1			12/13/16 00:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 00:14	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 00:14	79-34-5	M1

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-21D		Lab ID: 92322711006		Collected: 12/07/16 14:55		Received: 12/09/16 10:07		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		12/13/16 00:14	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 00:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:14	87-61-6	M1	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:14	120-82-1	M1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 00:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 00:14	79-00-5	M1	
Trichloroethene	ND	ug/L	1.0	1		12/13/16 00:14	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 00:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 00:14	96-18-4	M1	
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 00:14	108-05-4	M1	
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 00:14	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 00:14	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 00:14	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 00:14	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130	1		12/13/16 00:14	460-00-4		
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		12/13/16 00:14	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/13/16 00:14	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	18.6	ug/L	2.0	1		12/12/16 16:00	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	50-150	1		12/12/16 16:00	17060-07-0		
Toluene-d8 (S)	90	%	50-150	1		12/12/16 16:00	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-22D		Lab ID: 92322711007		Collected: 12/07/16 15:25		Received: 12/09/16 10:07		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		12/13/16 03:09	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 03:09	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 03:09	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 03:09	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 03:09	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 03:09	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 03:09	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 03:09	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 03:09	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 03:09	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 03:09	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 03:09	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 03:09	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 03:09	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 03:09	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 03:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 03:09	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 03:09	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 03:09	75-71-8		
1,1-Dichloroethane	2.5	ug/L	1.0	1		12/13/16 03:09	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 03:09	107-06-2		
1,1-Dichloroethene	31.5	ug/L	1.0	1		12/13/16 03:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 03:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 03:09	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 03:09	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 03:09	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 03:09	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 03:09	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 03:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 03:09	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 03:09	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 03:09	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 03:09	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 03:09	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 03:09	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 03:09	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 03:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 03:09	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 03:09	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 03:09	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 03:09	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 03:09	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 03:09	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-22D		Lab ID: 92322711007		Collected: 12/07/16 15:25		Received: 12/09/16 10:07		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		12/13/16 03:09	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 03:09	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 03:09	120-82-1		
1,1,1-Trichloroethane	4.1	ug/L	1.0	1		12/13/16 03:09	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 03:09	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 03:09	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 03:09	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 03:09	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 03:09	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 03:09	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 03:09	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 03:09	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 03:09	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	1		12/13/16 03:09	460-00-4		
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		12/13/16 03:09	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/13/16 03:09	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	24.5	ug/L	2.0	1		12/12/16 16:19	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	50-150	1		12/12/16 16:19	17060-07-0		
Toluene-d8 (S)	91	%	50-150	1		12/12/16 16:19	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-20		Lab ID: 92322711008		Collected: 12/07/16 15:50		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		12/13/16 04:54	67-64-1		
Benzene	ND	ug/L	2.0	2		12/13/16 04:54	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		12/13/16 04:54	108-86-1		
Bromochloromethane	ND	ug/L	2.0	2		12/13/16 04:54	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		12/13/16 04:54	75-27-4		
Bromoform	ND	ug/L	2.0	2		12/13/16 04:54	75-25-2		
Bromomethane	ND	ug/L	4.0	2		12/13/16 04:54	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		12/13/16 04:54	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		12/13/16 04:54	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		12/13/16 04:54	108-90-7		
Chloroethane	ND	ug/L	2.0	2		12/13/16 04:54	75-00-3		
Chloroform	ND	ug/L	2.0	2		12/13/16 04:54	67-66-3		
Chloromethane	ND	ug/L	2.0	2		12/13/16 04:54	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 04:54	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 04:54	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		12/13/16 04:54	96-12-8		
Dibromochloromethane	ND	ug/L	2.0	2		12/13/16 04:54	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		12/13/16 04:54	106-93-4		
Dibromomethane	ND	ug/L	2.0	2		12/13/16 04:54	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 04:54	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 04:54	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 04:54	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.0	2		12/13/16 04:54	75-71-8		
1,1-Dichloroethane	99.7	ug/L	2.0	2		12/13/16 04:54	75-34-3		
1,2-Dichloroethane	5.1	ug/L	2.0	2		12/13/16 04:54	107-06-2		
1,1-Dichloroethene	173	ug/L	2.0	2		12/13/16 04:54	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 04:54	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 04:54	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 04:54	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		12/13/16 04:54	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 04:54	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.0	2		12/13/16 04:54	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 04:54	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 04:54	10061-02-6		
Diisopropyl ether	ND	ug/L	2.0	2		12/13/16 04:54	108-20-3		
1,4-Dioxane (p-Dioxane)	581	ug/L	300	2		12/13/16 04:54	123-91-1	L1	
Ethylbenzene	ND	ug/L	2.0	2		12/13/16 04:54	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		12/13/16 04:54	87-68-3		
2-Hexanone	ND	ug/L	10.0	2		12/13/16 04:54	591-78-6		
p-Isopropyltoluene	ND	ug/L	2.0	2		12/13/16 04:54	99-87-6		
Methylene Chloride	ND	ug/L	4.0	2		12/13/16 04:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		12/13/16 04:54	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	2.0	2		12/13/16 04:54	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		12/13/16 04:54	91-20-3		
Styrene	ND	ug/L	2.0	2		12/13/16 04:54	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 04:54	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 04:54	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-20		Lab ID: 92322711008		Collected: 12/07/16 15:50		Received: 12/09/16 10:07		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene		ND	ug/L	2.0	2		12/13/16 04:54	127-18-4	
Toluene		ND	ug/L	2.0	2		12/13/16 04:54	108-88-3	
1,2,3-Trichlorobenzene		ND	ug/L	2.0	2		12/13/16 04:54	87-61-6	
1,2,4-Trichlorobenzene		ND	ug/L	2.0	2		12/13/16 04:54	120-82-1	
1,1,1-Trichloroethane		ND	ug/L	2.0	2		12/13/16 04:54	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	2.0	2		12/13/16 04:54	79-00-5	
Trichloroethene		ND	ug/L	2.0	2		12/13/16 04:54	79-01-6	
Trichlorofluoromethane		ND	ug/L	2.0	2		12/13/16 04:54	75-69-4	
1,2,3-Trichloropropane		ND	ug/L	2.0	2		12/13/16 04:54	96-18-4	
Vinyl acetate		ND	ug/L	4.0	2		12/13/16 04:54	108-05-4	
Vinyl chloride		ND	ug/L	2.0	2		12/13/16 04:54	75-01-4	
Xylene (Total)		ND	ug/L	2.0	2		12/13/16 04:54	1330-20-7	
m&p-Xylene		ND	ug/L	4.0	2		12/13/16 04:54	179601-23-1	
o-Xylene		ND	ug/L	2.0	2		12/13/16 04:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)		100	%	70-130	2		12/13/16 04:54	460-00-4	
1,2-Dichloroethane-d4 (S)		96	%	70-130	2		12/13/16 04:54	17060-07-0	
Toluene-d8 (S)		109	%	70-130	2		12/13/16 04:54	2037-26-5	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)		767	ug/L	20.0	10		12/12/16 16:38	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)		102	%	50-150	10		12/12/16 16:38	17060-07-0	
Toluene-d8 (S)		90	%	50-150	10		12/12/16 16:38	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-04		Lab ID: 92322711009		Collected: 12/07/16 16:10		Received: 12/09/16 10:07		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		12/13/16 17:32	67-64-1		
Benzene	ND	ug/L	10.0	10		12/13/16 17:32	71-43-2		
Bromobenzene	ND	ug/L	10.0	10		12/13/16 17:32	108-86-1		
Bromochloromethane	ND	ug/L	10.0	10		12/13/16 17:32	74-97-5		
Bromodichloromethane	ND	ug/L	10.0	10		12/13/16 17:32	75-27-4		
Bromoform	ND	ug/L	10.0	10		12/13/16 17:32	75-25-2		
Bromomethane	ND	ug/L	20.0	10		12/13/16 17:32	74-83-9		
2-Butanone (MEK)	ND	ug/L	50.0	10		12/13/16 17:32	78-93-3		
Carbon tetrachloride	ND	ug/L	10.0	10		12/13/16 17:32	56-23-5		
Chlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	108-90-7		
Chloroethane	ND	ug/L	10.0	10		12/13/16 17:32	75-00-3		
Chloroform	ND	ug/L	10.0	10		12/13/16 17:32	67-66-3		
Chloromethane	ND	ug/L	10.0	10		12/13/16 17:32	74-87-3		
2-Chlorotoluene	ND	ug/L	10.0	10		12/13/16 17:32	95-49-8		
4-Chlorotoluene	ND	ug/L	10.0	10		12/13/16 17:32	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	10		12/13/16 17:32	96-12-8		
Dibromochloromethane	ND	ug/L	10.0	10		12/13/16 17:32	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		12/13/16 17:32	106-93-4		
Dibromomethane	ND	ug/L	10.0	10		12/13/16 17:32	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	106-46-7		
Dichlorodifluoromethane	ND	ug/L	10.0	10		12/13/16 17:32	75-71-8		
1,1-Dichloroethane	259	ug/L	10.0	10		12/13/16 17:32	75-34-3		
1,2-Dichloroethane	ND	ug/L	10.0	10		12/13/16 17:32	107-06-2		
1,1-Dichloroethene	1020	ug/L	10.0	10		12/13/16 17:32	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		12/13/16 17:32	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		12/13/16 17:32	156-60-5		
1,2-Dichloropropane	ND	ug/L	10.0	10		12/13/16 17:32	78-87-5		
1,3-Dichloropropane	ND	ug/L	10.0	10		12/13/16 17:32	142-28-9		
2,2-Dichloropropane	ND	ug/L	10.0	10		12/13/16 17:32	594-20-7		
1,1-Dichloropropene	ND	ug/L	10.0	10		12/13/16 17:32	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	10.0	10		12/13/16 17:32	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	10.0	10		12/13/16 17:32	10061-02-6		
Diisopropyl ether	ND	ug/L	10.0	10		12/13/16 17:32	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	10		12/13/16 17:32	123-91-1	L1	
Ethylbenzene	ND	ug/L	10.0	10		12/13/16 17:32	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		12/13/16 17:32	87-68-3		
2-Hexanone	ND	ug/L	50.0	10		12/13/16 17:32	591-78-6		
p-Isopropyltoluene	ND	ug/L	10.0	10		12/13/16 17:32	99-87-6		
Methylene Chloride	ND	ug/L	20.0	10		12/13/16 17:32	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		12/13/16 17:32	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	10.0	10		12/13/16 17:32	1634-04-4		
Naphthalene	ND	ug/L	10.0	10		12/13/16 17:32	91-20-3		
Styrene	ND	ug/L	10.0	10		12/13/16 17:32	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		12/13/16 17:32	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		12/13/16 17:32	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-04		Lab ID: 92322711009		Collected: 12/07/16 16:10		Received: 12/09/16 10:07		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		12/13/16 17:32	127-18-4		
Toluene	ND	ug/L	10.0	10		12/13/16 17:32	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		12/13/16 17:32	120-82-1		
1,1,1-Trichloroethane	31.7	ug/L	10.0	10		12/13/16 17:32	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	10.0	10		12/13/16 17:32	79-00-5		
Trichloroethene	ND	ug/L	10.0	10		12/13/16 17:32	79-01-6		
Trichlorofluoromethane	ND	ug/L	10.0	10		12/13/16 17:32	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	10.0	10		12/13/16 17:32	96-18-4		
Vinyl acetate	ND	ug/L	20.0	10		12/13/16 17:32	108-05-4		
Vinyl chloride	ND	ug/L	10.0	10		12/13/16 17:32	75-01-4		
Xylene (Total)	ND	ug/L	10.0	10		12/13/16 17:32	1330-20-7		
m&p-Xylene	ND	ug/L	20.0	10		12/13/16 17:32	179601-23-1		
o-Xylene	ND	ug/L	10.0	10		12/13/16 17:32	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130	10		12/13/16 17:32	460-00-4		
1,2-Dichloroethane-d4 (S)	94	%	70-130	10		12/13/16 17:32	17060-07-0		
Toluene-d8 (S)	110	%	70-130	10		12/13/16 17:32	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	576	ug/L	20.0	10		12/13/16 12:42	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	50-150	1		12/12/16 16:56	17060-07-0		
Toluene-d8 (S)	87	%	50-150	1		12/12/16 16:56	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-09		Lab ID: 92322711010		Collected: 12/08/16 07:40		Received: 12/09/16 10:07		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			12/13/16 18:07	67-64-1	
Benzene	ND	ug/L	1.0	1			12/13/16 18:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	1			12/13/16 18:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1			12/13/16 18:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1			12/13/16 18:07	75-27-4	
Bromoform	ND	ug/L	1.0	1			12/13/16 18:07	75-25-2	
Bromomethane	ND	ug/L	2.0	1			12/13/16 18:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1			12/13/16 18:07	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1			12/13/16 18:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1			12/13/16 18:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1			12/13/16 18:07	75-00-3	
Chloroform	ND	ug/L	1.0	1			12/13/16 18:07	67-66-3	
Chloromethane	ND	ug/L	1.0	1			12/13/16 18:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 18:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1			12/13/16 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1			12/13/16 18:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1			12/13/16 18:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1			12/13/16 18:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	1			12/13/16 18:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 18:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 18:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1			12/13/16 18:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1			12/13/16 18:07	75-71-8	
1,1-Dichloroethane	4.5	ug/L	1.0	1			12/13/16 18:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1			12/13/16 18:07	107-06-2	
1,1-Dichloroethene	104	ug/L	1.0	1			12/13/16 18:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 18:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1			12/13/16 18:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 18:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1			12/13/16 18:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1			12/13/16 18:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1			12/13/16 18:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 18:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1			12/13/16 18:07	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1			12/13/16 18:07	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1			12/13/16 18:07	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1			12/13/16 18:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1			12/13/16 18:07	87-68-3	
2-Hexanone	ND	ug/L	5.0	1			12/13/16 18:07	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1			12/13/16 18:07	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1			12/13/16 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1			12/13/16 18:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1			12/13/16 18:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	1			12/13/16 18:07	91-20-3	
Styrene	ND	ug/L	1.0	1			12/13/16 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1			12/13/16 18:07	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-09		Lab ID: 92322711010		Collected: 12/08/16 07:40		Received: 12/09/16 10:07		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		12/13/16 18:07	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 18:07	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:07	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 18:07	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 18:07	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 18:07	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 18:07	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 18:07	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 18:07	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 18:07	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 18:07	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 18:07	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 18:07	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130	1		12/13/16 18:07	460-00-4		
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		12/13/16 18:07	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/13/16 18:07	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	95.5	ug/L	5.0	2.5		12/12/16 17:15	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	50-150	2.5		12/12/16 17:15	17060-07-0		
Toluene-d8 (S)	88	%	50-150	2.5		12/12/16 17:15	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-16D		Lab ID: 92322711011		Collected: 12/08/16 08:10		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	50.0	2		12/13/16 17:14	67-64-1		
Benzene	ND	ug/L	2.0	2		12/13/16 17:14	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		12/13/16 17:14	108-86-1	M1	
Bromochloromethane	ND	ug/L	2.0	2		12/13/16 17:14	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		12/13/16 17:14	75-27-4		
Bromoform	ND	ug/L	2.0	2		12/13/16 17:14	75-25-2	M1	
Bromomethane	ND	ug/L	4.0	2		12/13/16 17:14	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		12/13/16 17:14	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		12/13/16 17:14	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	108-90-7		
Chloroethane	ND	ug/L	2.0	2		12/13/16 17:14	75-00-3		
Chloroform	ND	ug/L	2.0	2		12/13/16 17:14	67-66-3		
Chloromethane	ND	ug/L	2.0	2		12/13/16 17:14	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 17:14	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 17:14	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		12/13/16 17:14	96-12-8	M1	
Dibromochloromethane	ND	ug/L	2.0	2		12/13/16 17:14	124-48-1	M1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		12/13/16 17:14	106-93-4	M1	
Dibromomethane	ND	ug/L	2.0	2		12/13/16 17:14	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	95-50-1	M1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	541-73-1	M1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	106-46-7	M1	
Dichlorodifluoromethane	ND	ug/L	2.0	2		12/13/16 17:14	75-71-8		
1,1-Dichloroethane	56.6	ug/L	2.0	2		12/13/16 17:14	75-34-3	M1	
1,2-Dichloroethane	2.9	ug/L	2.0	2		12/13/16 17:14	107-06-2		
1,1-Dichloroethene	254	ug/L	2.0	2		12/13/16 17:14	75-35-4	M1	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 17:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 17:14	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 17:14	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		12/13/16 17:14	142-28-9	M1	
2,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 17:14	594-20-7	M1	
1,1-Dichloropropene	ND	ug/L	2.0	2		12/13/16 17:14	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 17:14	10061-01-5	M1	
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 17:14	10061-02-6	M1	
Diisopropyl ether	ND	ug/L	2.0	2		12/13/16 17:14	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2		12/13/16 17:14	123-91-1	L3,M0	
Ethylbenzene	ND	ug/L	2.0	2		12/13/16 17:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		12/13/16 17:14	87-68-3	M1	
2-Hexanone	ND	ug/L	10.0	2		12/13/16 17:14	591-78-6	M1	
p-Isopropyltoluene	ND	ug/L	2.0	2		12/13/16 17:14	99-87-6	M1	
Methylene Chloride	ND	ug/L	4.0	2		12/13/16 17:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		12/13/16 17:14	108-10-1	M1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		12/13/16 17:14	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		12/13/16 17:14	91-20-3	M1	
Styrene	ND	ug/L	2.0	2		12/13/16 17:14	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 17:14	630-20-6	M1	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 17:14	79-34-5	M1	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-16D		Lab ID: 92322711011		Collected: 12/08/16 08:10		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		12/13/16 17:14	127-18-4		
Toluene	ND	ug/L	2.0	2		12/13/16 17:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	87-61-6	M1	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		12/13/16 17:14	120-82-1	M1	
1,1,1-Trichloroethane	20.7	ug/L	2.0	2		12/13/16 17:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	2.0	2		12/13/16 17:14	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		12/13/16 17:14	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		12/13/16 17:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.0	2		12/13/16 17:14	96-18-4	M1	
Vinyl acetate	ND	ug/L	4.0	2		12/13/16 17:14	108-05-4	M1	
Vinyl chloride	ND	ug/L	2.0	2		12/13/16 17:14	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		12/13/16 17:14	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		12/13/16 17:14	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		12/13/16 17:14	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130	2		12/13/16 17:14	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%	70-130	2		12/13/16 17:14	17060-07-0		
Toluene-d8 (S)	107	%	70-130	2		12/13/16 17:14	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	202	ug/L	10.0	5		12/12/16 17:34	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	50-150	5		12/12/16 17:34	17060-07-0		
Toluene-d8 (S)	88	%	50-150	5		12/12/16 17:34	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-2D-120616		Lab ID: 92322711012		Collected: 12/06/16 11:30		Received: 12/09/16 10:07		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2			12/14/16 10:51	67-64-1	
Benzene	ND	ug/L	2.0	2			12/14/16 10:51	71-43-2	
Bromobenzene	ND	ug/L	2.0	2			12/14/16 10:51	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2			12/14/16 10:51	74-97-5	M1
Bromodichloromethane	ND	ug/L	2.0	2			12/14/16 10:51	75-27-4	
Bromoform	ND	ug/L	2.0	2			12/14/16 10:51	75-25-2	
Bromomethane	ND	ug/L	4.0	2			12/14/16 10:51	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	10.0	2			12/14/16 10:51	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	2			12/14/16 10:51	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2			12/14/16 10:51	108-90-7	
Chloroethane	ND	ug/L	2.0	2			12/14/16 10:51	75-00-3	M1
Chloroform	ND	ug/L	2.0	2			12/14/16 10:51	67-66-3	
Chloromethane	ND	ug/L	2.0	2			12/14/16 10:51	74-87-3	M1
2-Chlorotoluene	ND	ug/L	2.0	2			12/14/16 10:51	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2			12/14/16 10:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2			12/14/16 10:51	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2			12/14/16 10:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2			12/14/16 10:51	106-93-4	
Dibromomethane	ND	ug/L	2.0	2			12/14/16 10:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2			12/14/16 10:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2			12/14/16 10:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2			12/14/16 10:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2			12/14/16 10:51	75-71-8	
1,1-Dichloroethane	64.0	ug/L	2.0	2			12/14/16 10:51	75-34-3	
1,2-Dichloroethane	3.3	ug/L	2.0	2			12/14/16 10:51	107-06-2	
1,1-Dichloroethene	257	ug/L	2.0	2			12/14/16 10:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2			12/14/16 10:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2			12/14/16 10:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	2			12/14/16 10:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2			12/14/16 10:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	2			12/14/16 10:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2			12/14/16 10:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	2			12/14/16 10:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	2			12/14/16 10:51	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	2			12/14/16 10:51	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2			12/14/16 10:51	123-91-1	L3,M0, R1
Ethylbenzene	ND	ug/L	2.0	2			12/14/16 10:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2			12/14/16 10:51	87-68-3	
2-Hexanone	ND	ug/L	10.0	2			12/14/16 10:51	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	2			12/14/16 10:51	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2			12/14/16 10:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2			12/14/16 10:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2			12/14/16 10:51	1634-04-4	
Naphthalene	ND	ug/L	2.0	2			12/14/16 10:51	91-20-3	
Styrene	ND	ug/L	2.0	2			12/14/16 10:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2			12/14/16 10:51	630-20-6	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-2D-120616		Lab ID: 92322711012		Collected: 12/06/16 11:30		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		12/14/16 10:51	79-34-5		
Tetrachloroethene	ND	ug/L	2.0	2		12/14/16 10:51	127-18-4		
Toluene	ND	ug/L	2.0	2		12/14/16 10:51	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		12/14/16 10:51	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		12/14/16 10:51	120-82-1		
1,1,1-Trichloroethane	26.5	ug/L	2.0	2		12/14/16 10:51	71-55-6	M1	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		12/14/16 10:51	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		12/14/16 10:51	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		12/14/16 10:51	75-69-4	M1	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		12/14/16 10:51	96-18-4		
Vinyl acetate	ND	ug/L	4.0	2		12/14/16 10:51	108-05-4		
Vinyl chloride	ND	ug/L	2.0	2		12/14/16 10:51	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		12/14/16 10:51	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		12/14/16 10:51	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		12/14/16 10:51	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130	2		12/14/16 10:51	460-00-4		
1,2-Dichloroethane-d4 (S)	94	%	70-130	2		12/14/16 10:51	17060-07-0		
Toluene-d8 (S)	107	%	70-130	2		12/14/16 10:51	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	206	ug/L	5.0	2.5		12/12/16 23:11	123-91-1	M1	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%	50-150	2.5		12/12/16 23:11	17060-07-0		
Toluene-d8 (S)	78	%	50-150	2.5		12/12/16 23:11	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-1D-120616		Lab ID: 92322711013		Collected: 12/06/16 13:55		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	172	ug/L	25.0	1		12/13/16 18:42	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 18:42	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 18:42	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 18:42	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 18:42	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 18:42	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 18:42	74-83-9		
2-Butanone (MEK)	137	ug/L	5.0	1		12/13/16 18:42	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 18:42	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 18:42	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 18:42	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 18:42	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 18:42	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 18:42	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 18:42	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 18:42	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 18:42	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 18:42	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 18:42	75-71-8		
1,1-Dichloroethane	4.4	ug/L	1.0	1		12/13/16 18:42	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 18:42	107-06-2		
1,1-Dichloroethene	39.3	ug/L	1.0	1		12/13/16 18:42	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 18:42	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 18:42	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 18:42	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 18:42	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 18:42	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 18:42	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 18:42	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 18:42	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 18:42	108-20-3		
1,4-Dioxane (p-Dioxane)	506	ug/L	150	1		12/13/16 18:42	123-91-1	L1	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 18:42	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 18:42	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 18:42	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 18:42	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 18:42	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 18:42	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 18:42	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 18:42	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 18:42	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 18:42	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 18:42	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-1D-120616		Lab ID: 92322711013		Collected: 12/06/16 13:55		Received: 12/09/16 10:07		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		12/13/16 18:42	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 18:42	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 18:42	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 18:42	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 18:42	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 18:42	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 18:42	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 18:42	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 18:42	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 18:42	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 18:42	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 18:42	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 18:42	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130	1		12/13/16 18:42	460-00-4		
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		12/13/16 18:42	17060-07-0		
Toluene-d8 (S)	108	%	70-130	1		12/13/16 18:42	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	34.4	ug/L	2.0	1		12/13/16 14:53	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	86	%	50-150	1		12/13/16 14:53	17060-07-0		
Toluene-d8 (S)	78	%	50-150	1		12/13/16 14:53	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: EB-120616		Lab ID: 92322711014		Collected: 12/06/16 14:10		Received: 12/09/16 10:07		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		12/12/16 15:14	67-64-1		
Benzene	ND	ug/L	1.0	1		12/12/16 15:14	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/12/16 15:14	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/12/16 15:14	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/12/16 15:14	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/12/16 15:14	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/12/16 15:14	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/12/16 15:14	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/12/16 15:14	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/12/16 15:14	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/12/16 15:14	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/12/16 15:14	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/12/16 15:14	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/12/16 15:14	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/12/16 15:14	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/12/16 15:14	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/12/16 15:14	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/12/16 15:14	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/12/16 15:14	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		12/12/16 15:14	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/12/16 15:14	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		12/12/16 15:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/12/16 15:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/12/16 15:14	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/12/16 15:14	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/12/16 15:14	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/12/16 15:14	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/12/16 15:14	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/12/16 15:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/12/16 15:14	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/12/16 15:14	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/12/16 15:14	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/12/16 15:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/12/16 15:14	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/12/16 15:14	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/12/16 15:14	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/12/16 15:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/12/16 15:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/12/16 15:14	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/12/16 15:14	91-20-3		
Styrene	ND	ug/L	1.0	1		12/12/16 15:14	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/12/16 15:14	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/12/16 15:14	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: EB-120616		Lab ID: 92322711014		Collected: 12/06/16 14:10		Received: 12/09/16 10:07		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		12/12/16 15:14	127-18-4		
Toluene	ND	ug/L	1.0	1		12/12/16 15:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/12/16 15:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/12/16 15:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/12/16 15:14	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/12/16 15:14	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/12/16 15:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/12/16 15:14	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/12/16 15:14	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/12/16 15:14	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/12/16 15:14	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/12/16 15:14	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/12/16 15:14	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	1		12/12/16 15:14	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		12/12/16 15:14	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/12/16 15:14	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		12/12/16 18:49	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	50-150	1		12/12/16 18:49	17060-07-0		
Toluene-d8 (S)	86	%	50-150	1		12/12/16 18:49	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-3S-120616		Lab ID: 92322711015		Collected: 12/06/16 15:20		Received: 12/09/16 10:07		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		12/14/16 10:34	67-64-1		
Benzene	ND	ug/L	1.0	1		12/14/16 10:34	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/14/16 10:34	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/14/16 10:34	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/14/16 10:34	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/14/16 10:34	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/14/16 10:34	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/14/16 10:34	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/14/16 10:34	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/14/16 10:34	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/14/16 10:34	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/14/16 10:34	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/14/16 10:34	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/14/16 10:34	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/14/16 10:34	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/14/16 10:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/14/16 10:34	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/14/16 10:34	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/14/16 10:34	75-71-8		
1,1-Dichloroethane	4.6	ug/L	1.0	1		12/14/16 10:34	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/14/16 10:34	107-06-2		
1,1-Dichloroethene	7.2	ug/L	1.0	1		12/14/16 10:34	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/14/16 10:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/14/16 10:34	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/14/16 10:34	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/14/16 10:34	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/14/16 10:34	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/14/16 10:34	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/14/16 10:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/14/16 10:34	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/14/16 10:34	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/14/16 10:34	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/14/16 10:34	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/14/16 10:34	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/14/16 10:34	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/14/16 10:34	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/14/16 10:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/14/16 10:34	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/14/16 10:34	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/14/16 10:34	91-20-3		
Styrene	ND	ug/L	1.0	1		12/14/16 10:34	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/14/16 10:34	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/14/16 10:34	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-3S-120616		Lab ID: 92322711015		Collected: 12/06/16 15:20		Received: 12/09/16 10:07		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		12/14/16 10:34	127-18-4		
Toluene	ND	ug/L	1.0	1		12/14/16 10:34	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/14/16 10:34	120-82-1		
1,1,1-Trichloroethane	1.4	ug/L	1.0	1		12/14/16 10:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/14/16 10:34	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/14/16 10:34	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/14/16 10:34	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/14/16 10:34	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/14/16 10:34	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/14/16 10:34	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/14/16 10:34	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/14/16 10:34	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/14/16 10:34	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130	1		12/14/16 10:34	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		12/14/16 10:34	17060-07-0		
Toluene-d8 (S)	110	%	70-130	1		12/14/16 10:34	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	5.9	ug/L	2.0	1		12/12/16 19:08	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	50-150	1		12/12/16 19:08	17060-07-0		
Toluene-d8 (S)	85	%	50-150	1		12/12/16 19:08	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-2S-120616		Lab ID: 92322711016		Collected: 12/06/16 16:20		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		12/14/16 05:10	67-64-1		
Benzene	ND	ug/L	5.0	5		12/14/16 05:10	71-43-2		
Bromobenzene	ND	ug/L	5.0	5		12/14/16 05:10	108-86-1		
Bromochloromethane	ND	ug/L	5.0	5		12/14/16 05:10	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	5		12/14/16 05:10	75-27-4		
Bromoform	ND	ug/L	5.0	5		12/14/16 05:10	75-25-2		
Bromomethane	ND	ug/L	10.0	5		12/14/16 05:10	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	5		12/14/16 05:10	78-93-3		
Carbon tetrachloride	ND	ug/L	5.0	5		12/14/16 05:10	56-23-5		
Chlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	108-90-7		
Chloroethane	ND	ug/L	5.0	5		12/14/16 05:10	75-00-3		
Chloroform	ND	ug/L	5.0	5		12/14/16 05:10	67-66-3		
Chloromethane	ND	ug/L	5.0	5		12/14/16 05:10	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	5		12/14/16 05:10	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	5		12/14/16 05:10	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		12/14/16 05:10	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	5		12/14/16 05:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		12/14/16 05:10	106-93-4		
Dibromomethane	ND	ug/L	5.0	5		12/14/16 05:10	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	5		12/14/16 05:10	75-71-8		
1,1-Dichloroethane	198	ug/L	5.0	5		12/14/16 05:10	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	5		12/14/16 05:10	107-06-2		
1,1-Dichloroethene	971	ug/L	5.0	5		12/14/16 05:10	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		12/14/16 05:10	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		12/14/16 05:10	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	5		12/14/16 05:10	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	5		12/14/16 05:10	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	5		12/14/16 05:10	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	5		12/14/16 05:10	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		12/14/16 05:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		12/14/16 05:10	10061-02-6		
Diisopropyl ether	ND	ug/L	5.0	5		12/14/16 05:10	108-20-3		
1,4-Dioxane (p-Dioxane)	884	ug/L	750	5		12/14/16 05:10	123-91-1	L1	
Ethylbenzene	ND	ug/L	5.0	5		12/14/16 05:10	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		12/14/16 05:10	87-68-3		
2-Hexanone	ND	ug/L	25.0	5		12/14/16 05:10	591-78-6		
p-Isopropyltoluene	ND	ug/L	5.0	5		12/14/16 05:10	99-87-6		
Methylene Chloride	ND	ug/L	10.0	5		12/14/16 05:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		12/14/16 05:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	5.0	5		12/14/16 05:10	1634-04-4		
Naphthalene	ND	ug/L	5.0	5		12/14/16 05:10	91-20-3		
Styrene	ND	ug/L	5.0	5		12/14/16 05:10	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		12/14/16 05:10	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		12/14/16 05:10	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-2S-120616		Lab ID: 92322711016		Collected: 12/06/16 16:20		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	5		12/14/16 05:10	127-18-4		
Toluene	ND	ug/L	5.0	5		12/14/16 05:10	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		12/14/16 05:10	120-82-1		
1,1,1-Trichloroethane	232	ug/L	5.0	5		12/14/16 05:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	5		12/14/16 05:10	79-00-5		
Trichloroethene	ND	ug/L	5.0	5		12/14/16 05:10	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	5		12/14/16 05:10	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	5		12/14/16 05:10	96-18-4		
Vinyl acetate	ND	ug/L	10.0	5		12/14/16 05:10	108-05-4		
Vinyl chloride	ND	ug/L	5.0	5		12/14/16 05:10	75-01-4		
Xylene (Total)	ND	ug/L	5.0	5		12/14/16 05:10	1330-20-7		
m&p-Xylene	ND	ug/L	10.0	5		12/14/16 05:10	179601-23-1		
o-Xylene	ND	ug/L	5.0	5		12/14/16 05:10	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130	5		12/14/16 05:10	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%	70-130	5		12/14/16 05:10	17060-07-0		
Toluene-d8 (S)	105	%	70-130	5		12/14/16 05:10	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	1190	ug/L	50.0	25		12/13/16 13:01	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	50-150	1		12/12/16 19:26	17060-07-0		
Toluene-d8 (S)	84	%	50-150	1		12/12/16 19:26	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-1S-120716		Lab ID: 92322711017		Collected: 12/07/16 08:35		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	125	5		12/14/16 17:28	67-64-1		
Benzene	ND	ug/L	5.0	5		12/14/16 17:28	71-43-2		
Bromobenzene	ND	ug/L	5.0	5		12/14/16 17:28	108-86-1		
Bromochloromethane	ND	ug/L	5.0	5		12/14/16 17:28	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	5		12/14/16 17:28	75-27-4		
Bromoform	ND	ug/L	5.0	5		12/14/16 17:28	75-25-2		
Bromomethane	ND	ug/L	10.0	5		12/14/16 17:28	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	5		12/14/16 17:28	78-93-3		
Carbon tetrachloride	ND	ug/L	5.0	5		12/14/16 17:28	56-23-5		
Chlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	108-90-7		
Chloroethane	ND	ug/L	5.0	5		12/14/16 17:28	75-00-3		
Chloroform	ND	ug/L	5.0	5		12/14/16 17:28	67-66-3		
Chloromethane	ND	ug/L	5.0	5		12/14/16 17:28	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	5		12/14/16 17:28	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	5		12/14/16 17:28	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		12/14/16 17:28	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	5		12/14/16 17:28	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		12/14/16 17:28	106-93-4		
Dibromomethane	ND	ug/L	5.0	5		12/14/16 17:28	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	5		12/14/16 17:28	75-71-8		
1,1-Dichloroethane	468	ug/L	5.0	5		12/14/16 17:28	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	5		12/14/16 17:28	107-06-2		
1,1-Dichloroethene	957	ug/L	5.0	5		12/14/16 17:28	75-35-4		
cis-1,2-Dichloroethene	6.3	ug/L	5.0	5		12/14/16 17:28	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		12/14/16 17:28	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	5		12/14/16 17:28	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	5		12/14/16 17:28	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	5		12/14/16 17:28	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	5		12/14/16 17:28	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		12/14/16 17:28	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		12/14/16 17:28	10061-02-6		
Diisopropyl ether	ND	ug/L	5.0	5		12/14/16 17:28	108-20-3		
1,4-Dioxane (p-Dioxane)	905	ug/L	750	5		12/14/16 17:28	123-91-1	L1	
Ethylbenzene	ND	ug/L	5.0	5		12/14/16 17:28	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		12/14/16 17:28	87-68-3		
2-Hexanone	ND	ug/L	25.0	5		12/14/16 17:28	591-78-6		
p-Isopropyltoluene	ND	ug/L	5.0	5		12/14/16 17:28	99-87-6		
Methylene Chloride	ND	ug/L	10.0	5		12/14/16 17:28	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		12/14/16 17:28	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	5.0	5		12/14/16 17:28	1634-04-4		
Naphthalene	ND	ug/L	5.0	5		12/14/16 17:28	91-20-3		
Styrene	ND	ug/L	5.0	5		12/14/16 17:28	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		12/14/16 17:28	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		12/14/16 17:28	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: RW-1S-120716		Lab ID: 92322711017		Collected: 12/07/16 08:35		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	5		12/14/16 17:28	127-18-4		
Toluene	ND	ug/L	5.0	5		12/14/16 17:28	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		12/14/16 17:28	120-82-1		
1,1,1-Trichloroethane	59.3	ug/L	5.0	5		12/14/16 17:28	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	5		12/14/16 17:28	79-00-5		
Trichloroethene	ND	ug/L	5.0	5		12/14/16 17:28	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	5		12/14/16 17:28	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	5		12/14/16 17:28	96-18-4		
Vinyl acetate	ND	ug/L	10.0	5		12/14/16 17:28	108-05-4		
Vinyl chloride	ND	ug/L	5.0	5		12/14/16 17:28	75-01-4		
Xylene (Total)	ND	ug/L	5.0	5		12/14/16 17:28	1330-20-7		
m&p-Xylene	ND	ug/L	10.0	5		12/14/16 17:28	179601-23-1		
o-Xylene	ND	ug/L	5.0	5		12/14/16 17:28	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130	5		12/14/16 17:28	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%	70-130	5		12/14/16 17:28	17060-07-0		
Toluene-d8 (S)	105	%	70-130	5		12/14/16 17:28	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	1420	ug/L	50.0	25		12/13/16 13:20	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	50-150	1		12/12/16 19:45	17060-07-0		
Toluene-d8 (S)	84	%	50-150	1		12/12/16 19:45	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-27D-120716		Lab ID: 92322711018		Collected: 12/07/16 09:30		Received: 12/09/16 10:07		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		12/13/16 06:39	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 06:39	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 06:39	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 06:39	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 06:39	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 06:39	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 06:39	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 06:39	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 06:39	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 06:39	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 06:39	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 06:39	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 06:39	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 06:39	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 06:39	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 06:39	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 06:39	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 06:39	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 06:39	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		12/13/16 06:39	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 06:39	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:39	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:39	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 06:39	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:39	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:39	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 06:39	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:39	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:39	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 06:39	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 06:39	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 06:39	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 06:39	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 06:39	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 06:39	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 06:39	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 06:39	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 06:39	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 06:39	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 06:39	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 06:39	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 06:39	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 06:39	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-27D-120716		Lab ID: 92322711018		Collected: 12/07/16 09:30		Received: 12/09/16 10:07		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		12/13/16 06:39	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 06:39	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 06:39	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 06:39	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 06:39	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 06:39	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 06:39	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 06:39	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 06:39	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 06:39	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 06:39	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 06:39	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 06:39	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130	1		12/13/16 06:39	460-00-4		
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		12/13/16 06:39	17060-07-0		
Toluene-d8 (S)	109	%	70-130	1		12/13/16 06:39	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		12/13/16 16:26	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%	50-150	1		12/13/16 16:26	17060-07-0		
Toluene-d8 (S)	78	%	50-150	1		12/13/16 16:26	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-39-120716		Lab ID: 92322711019		Collected: 12/07/16 10:00		Received: 12/09/16 10:07		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		12/13/16 02:34	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 02:34	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 02:34	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 02:34	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 02:34	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 02:34	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 02:34	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 02:34	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 02:34	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 02:34	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 02:34	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 02:34	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 02:34	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 02:34	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 02:34	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 02:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 02:34	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 02:34	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 02:34	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		12/13/16 02:34	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 02:34	107-06-2		
1,1-Dichloroethene	1.7	ug/L	1.0	1		12/13/16 02:34	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 02:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 02:34	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 02:34	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 02:34	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 02:34	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 02:34	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 02:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 02:34	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 02:34	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 02:34	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 02:34	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 02:34	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 02:34	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 02:34	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 02:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 02:34	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 02:34	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 02:34	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 02:34	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 02:34	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 02:34	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-39-120716		Lab ID: 92322711019		Collected: 12/07/16 10:00		Received: 12/09/16 10:07		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		12/13/16 02:34	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 02:34	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 02:34	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 02:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 02:34	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 02:34	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 02:34	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 02:34	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 02:34	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 02:34	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 02:34	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 02:34	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 02:34	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130	1		12/13/16 02:34	460-00-4		
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		12/13/16 02:34	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/13/16 02:34	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	2.5	ug/L	2.0	1		12/13/16 16:45	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%	50-150	1		12/13/16 16:45	17060-07-0		
Toluene-d8 (S)	78	%	50-150	1		12/13/16 16:45	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-43-120716		Lab ID: 92322711020		Collected: 12/07/16 10:20		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		12/13/16 16:57	67-64-1		
Benzene	ND	ug/L	2.0	2		12/13/16 16:57	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		12/13/16 16:57	108-86-1		
Bromochloromethane	ND	ug/L	2.0	2		12/13/16 16:57	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		12/13/16 16:57	75-27-4		
Bromoform	ND	ug/L	2.0	2		12/13/16 16:57	75-25-2		
Bromomethane	ND	ug/L	4.0	2		12/13/16 16:57	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		12/13/16 16:57	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		12/13/16 16:57	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	108-90-7		
Chloroethane	ND	ug/L	2.0	2		12/13/16 16:57	75-00-3		
Chloroform	ND	ug/L	2.0	2		12/13/16 16:57	67-66-3		
Chloromethane	ND	ug/L	2.0	2		12/13/16 16:57	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 16:57	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		12/13/16 16:57	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		12/13/16 16:57	96-12-8		
Dibromochloromethane	ND	ug/L	2.0	2		12/13/16 16:57	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		12/13/16 16:57	106-93-4		
Dibromomethane	ND	ug/L	2.0	2		12/13/16 16:57	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.0	2		12/13/16 16:57	75-71-8		
1,1-Dichloroethane	15.9	ug/L	2.0	2		12/13/16 16:57	75-34-3		
1,2-Dichloroethane	2.1	ug/L	2.0	2		12/13/16 16:57	107-06-2		
1,1-Dichloroethene	171	ug/L	2.0	2		12/13/16 16:57	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 16:57	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		12/13/16 16:57	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 16:57	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		12/13/16 16:57	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.0	2		12/13/16 16:57	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.0	2		12/13/16 16:57	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 16:57	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		12/13/16 16:57	10061-02-6		
Diisopropyl ether	ND	ug/L	2.0	2		12/13/16 16:57	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2		12/13/16 16:57	123-91-1	L3	
Ethylbenzene	ND	ug/L	2.0	2		12/13/16 16:57	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		12/13/16 16:57	87-68-3		
2-Hexanone	ND	ug/L	10.0	2		12/13/16 16:57	591-78-6		
p-Isopropyltoluene	ND	ug/L	2.0	2		12/13/16 16:57	99-87-6		
Methylene Chloride	ND	ug/L	4.0	2		12/13/16 16:57	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		12/13/16 16:57	108-10-1		
Methyl-tert-butyl ether	9.3	ug/L	2.0	2		12/13/16 16:57	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		12/13/16 16:57	91-20-3		
Styrene	ND	ug/L	2.0	2		12/13/16 16:57	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 16:57	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		12/13/16 16:57	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-43-120716		Lab ID: 92322711020		Collected: 12/07/16 10:20		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		12/13/16 16:57	127-18-4		
Toluene	ND	ug/L	2.0	2		12/13/16 16:57	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		12/13/16 16:57	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	2.0	2		12/13/16 16:57	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	2.0	2		12/13/16 16:57	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		12/13/16 16:57	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		12/13/16 16:57	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.0	2		12/13/16 16:57	96-18-4		
Vinyl acetate	ND	ug/L	4.0	2		12/13/16 16:57	108-05-4		
Vinyl chloride	ND	ug/L	2.0	2		12/13/16 16:57	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		12/13/16 16:57	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		12/13/16 16:57	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		12/13/16 16:57	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130	2		12/13/16 16:57	460-00-4		
1,2-Dichloroethane-d4 (S)	97	%	70-130	2		12/13/16 16:57	17060-07-0		
Toluene-d8 (S)	106	%	70-130	2		12/13/16 16:57	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	237	ug/L	10.0	5		12/13/16 13:38	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%	50-150	1		12/13/16 00:07	17060-07-0		
Toluene-d8 (S)	77	%	50-150	1		12/13/16 00:07	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-38R-120716		Lab ID: 92322711021		Collected: 12/07/16 10:35		Received: 12/09/16 10:07		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		12/13/16 07:31	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 07:31	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 07:31	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 07:31	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 07:31	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 07:31	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 07:31	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 07:31	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 07:31	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 07:31	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 07:31	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 07:31	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 07:31	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 07:31	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 07:31	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 07:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 07:31	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 07:31	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 07:31	75-71-8		
1,1-Dichloroethane	3.8	ug/L	1.0	1		12/13/16 07:31	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 07:31	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 07:31	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:31	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:31	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 07:31	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:31	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 07:31	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 07:31	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 07:31	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 07:31	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 07:31	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 07:31	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 07:31	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 07:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 07:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 07:31	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 07:31	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 07:31	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 07:31	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 07:31	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-38R-120716		Lab ID: 92322711021		Collected: 12/07/16 10:35		Received: 12/09/16 10:07		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		12/13/16 07:31	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 07:31	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 07:31	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 07:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 07:31	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 07:31	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 07:31	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 07:31	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 07:31	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 07:31	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 07:31	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 07:31	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 07:31	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130	1		12/13/16 07:31	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		12/13/16 07:31	17060-07-0		
Toluene-d8 (S)	106	%	70-130	1		12/13/16 07:31	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	18.3	ug/L	2.0	1		12/13/16 15:12	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%	50-150	1		12/13/16 15:12	17060-07-0		
Toluene-d8 (S)	78	%	50-150	1		12/13/16 15:12	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-16-120816		Lab ID: 92322711022		Collected: 12/08/16 08:40		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	5000	200		12/13/16 17:49	67-64-1		
Benzene	ND	ug/L	200	200		12/13/16 17:49	71-43-2		
Bromobenzene	ND	ug/L	200	200		12/13/16 17:49	108-86-1		
Bromochloromethane	ND	ug/L	200	200		12/13/16 17:49	74-97-5		
Bromodichloromethane	ND	ug/L	200	200		12/13/16 17:49	75-27-4		
Bromoform	ND	ug/L	200	200		12/13/16 17:49	75-25-2		
Bromomethane	ND	ug/L	400	200		12/13/16 17:49	74-83-9		
2-Butanone (MEK)	ND	ug/L	1000	200		12/13/16 17:49	78-93-3		
Carbon tetrachloride	ND	ug/L	200	200		12/13/16 17:49	56-23-5		
Chlorobenzene	ND	ug/L	200	200		12/13/16 17:49	108-90-7		
Chloroethane	ND	ug/L	200	200		12/13/16 17:49	75-00-3		
Chloroform	ND	ug/L	200	200		12/13/16 17:49	67-66-3		
Chloromethane	ND	ug/L	200	200		12/13/16 17:49	74-87-3		
2-Chlorotoluene	ND	ug/L	200	200		12/13/16 17:49	95-49-8		
4-Chlorotoluene	ND	ug/L	200	200		12/13/16 17:49	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	400	200		12/13/16 17:49	96-12-8		
Dibromochloromethane	ND	ug/L	200	200		12/13/16 17:49	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	200	200		12/13/16 17:49	106-93-4		
Dibromomethane	ND	ug/L	200	200		12/13/16 17:49	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	200	200		12/13/16 17:49	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	200	200		12/13/16 17:49	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	200	200		12/13/16 17:49	106-46-7		
Dichlorodifluoromethane	ND	ug/L	200	200		12/13/16 17:49	75-71-8		
1,1-Dichloroethane	6420	ug/L	200	200		12/13/16 17:49	75-34-3		
1,2-Dichloroethane	ND	ug/L	200	200		12/13/16 17:49	107-06-2		
1,1-Dichloroethene	26200	ug/L	200	200		12/13/16 17:49	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	200	200		12/13/16 17:49	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	200	200		12/13/16 17:49	156-60-5		
1,2-Dichloropropane	ND	ug/L	200	200		12/13/16 17:49	78-87-5		
1,3-Dichloropropane	ND	ug/L	200	200		12/13/16 17:49	142-28-9		
2,2-Dichloropropane	ND	ug/L	200	200		12/13/16 17:49	594-20-7		
1,1-Dichloropropene	ND	ug/L	200	200		12/13/16 17:49	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	200	200		12/13/16 17:49	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	200	200		12/13/16 17:49	10061-02-6		
Diisopropyl ether	ND	ug/L	200	200		12/13/16 17:49	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	30000	200		12/13/16 17:49	123-91-1	L3	
Ethylbenzene	ND	ug/L	200	200		12/13/16 17:49	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	200	200		12/13/16 17:49	87-68-3		
2-Hexanone	ND	ug/L	1000	200		12/13/16 17:49	591-78-6		
p-Isopropyltoluene	ND	ug/L	200	200		12/13/16 17:49	99-87-6		
Methylene Chloride	ND	ug/L	400	200		12/13/16 17:49	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	200		12/13/16 17:49	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	200	200		12/13/16 17:49	1634-04-4		
Naphthalene	ND	ug/L	200	200		12/13/16 17:49	91-20-3		
Styrene	ND	ug/L	200	200		12/13/16 17:49	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	200	200		12/13/16 17:49	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	200	200		12/13/16 17:49	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-16-120816		Lab ID: 92322711022		Collected: 12/08/16 08:40		Received: 12/09/16 10:07		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene		ND	ug/L	200	200		12/13/16 17:49	127-18-4	
Toluene		ND	ug/L	200	200		12/13/16 17:49	108-88-3	
1,2,3-Trichlorobenzene		ND	ug/L	200	200		12/13/16 17:49	87-61-6	
1,2,4-Trichlorobenzene		ND	ug/L	200	200		12/13/16 17:49	120-82-1	
1,1,1-Trichloroethane		4390	ug/L	200	200		12/13/16 17:49	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	200	200		12/13/16 17:49	79-00-5	
Trichloroethene		ND	ug/L	200	200		12/13/16 17:49	79-01-6	
Trichlorofluoromethane		ND	ug/L	200	200		12/13/16 17:49	75-69-4	
1,2,3-Trichloropropane		ND	ug/L	200	200		12/13/16 17:49	96-18-4	
Vinyl acetate		ND	ug/L	400	200		12/13/16 17:49	108-05-4	
Vinyl chloride		ND	ug/L	200	200		12/13/16 17:49	75-01-4	
Xylene (Total)		ND	ug/L	200	200		12/13/16 17:49	1330-20-7	
m&p-Xylene		ND	ug/L	400	200		12/13/16 17:49	179601-23-1	
o-Xylene		ND	ug/L	200	200		12/13/16 17:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)		101	%	70-130	200		12/13/16 17:49	460-00-4	
1,2-Dichloroethane-d4 (S)		97	%	70-130	200		12/13/16 17:49	17060-07-0	
Toluene-d8 (S)		110	%	70-130	200		12/13/16 17:49	2037-26-5	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)		1450	ug/L	40.0	20		12/13/16 13:57	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)		88	%	50-150	5		12/13/16 00:45	17060-07-0	
Toluene-d8 (S)		77	%	50-150	5		12/13/16 00:45	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-200-120816		Lab ID: 92322711023		Collected: 12/08/16 08:00		Received: 12/09/16 10:07		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	3120	125		12/13/16 16:40	67-64-1		
Benzene	ND	ug/L	125	125		12/13/16 16:40	71-43-2		
Bromobenzene	ND	ug/L	125	125		12/13/16 16:40	108-86-1		
Bromochloromethane	ND	ug/L	125	125		12/13/16 16:40	74-97-5		
Bromodichloromethane	ND	ug/L	125	125		12/13/16 16:40	75-27-4		
Bromoform	ND	ug/L	125	125		12/13/16 16:40	75-25-2		
Bromomethane	ND	ug/L	250	125		12/13/16 16:40	74-83-9		
2-Butanone (MEK)	ND	ug/L	625	125		12/13/16 16:40	78-93-3		
Carbon tetrachloride	ND	ug/L	125	125		12/13/16 16:40	56-23-5		
Chlorobenzene	ND	ug/L	125	125		12/13/16 16:40	108-90-7		
Chloroethane	ND	ug/L	125	125		12/13/16 16:40	75-00-3		
Chloroform	ND	ug/L	125	125		12/13/16 16:40	67-66-3		
Chloromethane	ND	ug/L	125	125		12/13/16 16:40	74-87-3		
2-Chlorotoluene	ND	ug/L	125	125		12/13/16 16:40	95-49-8		
4-Chlorotoluene	ND	ug/L	125	125		12/13/16 16:40	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	250	125		12/13/16 16:40	96-12-8		
Dibromochloromethane	ND	ug/L	125	125		12/13/16 16:40	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	125	125		12/13/16 16:40	106-93-4		
Dibromomethane	ND	ug/L	125	125		12/13/16 16:40	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	125	125		12/13/16 16:40	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	125	125		12/13/16 16:40	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	125	125		12/13/16 16:40	106-46-7		
Dichlorodifluoromethane	ND	ug/L	125	125		12/13/16 16:40	75-71-8		
1,1-Dichloroethane	6060	ug/L	125	125		12/13/16 16:40	75-34-3		
1,2-Dichloroethane	ND	ug/L	125	125		12/13/16 16:40	107-06-2		
1,1-Dichloroethene	24500	ug/L	125	125		12/13/16 16:40	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	125	125		12/13/16 16:40	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	125	125		12/13/16 16:40	156-60-5		
1,2-Dichloropropane	ND	ug/L	125	125		12/13/16 16:40	78-87-5		
1,3-Dichloropropane	ND	ug/L	125	125		12/13/16 16:40	142-28-9		
2,2-Dichloropropane	ND	ug/L	125	125		12/13/16 16:40	594-20-7		
1,1-Dichloropropene	ND	ug/L	125	125		12/13/16 16:40	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	125	125		12/13/16 16:40	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	125	125		12/13/16 16:40	10061-02-6		
Diisopropyl ether	ND	ug/L	125	125		12/13/16 16:40	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	18800	125		12/13/16 16:40	123-91-1	L3	
Ethylbenzene	ND	ug/L	125	125		12/13/16 16:40	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	125	125		12/13/16 16:40	87-68-3		
2-Hexanone	ND	ug/L	625	125		12/13/16 16:40	591-78-6		
p-Isopropyltoluene	ND	ug/L	125	125		12/13/16 16:40	99-87-6		
Methylene Chloride	ND	ug/L	250	125		12/13/16 16:40	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	625	125		12/13/16 16:40	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	125	125		12/13/16 16:40	1634-04-4		
Naphthalene	ND	ug/L	125	125		12/13/16 16:40	91-20-3		
Styrene	ND	ug/L	125	125		12/13/16 16:40	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	125	125		12/13/16 16:40	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	125	125		12/13/16 16:40	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-200-120816		Lab ID: 92322711023		Collected: 12/08/16 08:00		Received: 12/09/16 10:07		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	125	125		12/13/16 16:40	127-18-4		
Toluene	ND	ug/L	125	125		12/13/16 16:40	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	125	125		12/13/16 16:40	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	125	125		12/13/16 16:40	120-82-1		
1,1,1-Trichloroethane	4330	ug/L	125	125		12/13/16 16:40	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	125	125		12/13/16 16:40	79-00-5		
Trichloroethene	ND	ug/L	125	125		12/13/16 16:40	79-01-6		
Trichlorofluoromethane	ND	ug/L	125	125		12/13/16 16:40	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	125	125		12/13/16 16:40	96-18-4		
Vinyl acetate	ND	ug/L	250	125		12/13/16 16:40	108-05-4		
Vinyl chloride	ND	ug/L	125	125		12/13/16 16:40	75-01-4		
Xylene (Total)	ND	ug/L	125	125		12/13/16 16:40	1330-20-7		
m&p-Xylene	ND	ug/L	250	125		12/13/16 16:40	179601-23-1		
o-Xylene	ND	ug/L	125	125		12/13/16 16:40	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130	125		12/13/16 16:40	460-00-4		
1,2-Dichloroethane-d4 (S)	94	%	70-130	125		12/13/16 16:40	17060-07-0		
Toluene-d8 (S)	104	%	70-130	125		12/13/16 16:40	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	1390	ug/L	40.0	20		12/13/16 14:16	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	81	%	50-150	10		12/13/16 01:03	17060-07-0		
Toluene-d8 (S)	77	%	50-150	10		12/13/16 01:03	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-03-120816		Lab ID: 92322711024		Collected: 12/08/16 09:30		Received: 12/09/16 10:07		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		12/13/16 00:32	67-64-1		
Benzene	ND	ug/L	1.0	1		12/13/16 00:32	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		12/13/16 00:32	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		12/13/16 00:32	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		12/13/16 00:32	75-27-4		
Bromoform	ND	ug/L	1.0	1		12/13/16 00:32	75-25-2		
Bromomethane	ND	ug/L	2.0	1		12/13/16 00:32	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		12/13/16 00:32	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		12/13/16 00:32	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	108-90-7		
Chloroethane	ND	ug/L	1.0	1		12/13/16 00:32	75-00-3		
Chloroform	ND	ug/L	1.0	1		12/13/16 00:32	67-66-3		
Chloromethane	ND	ug/L	1.0	1		12/13/16 00:32	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 00:32	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		12/13/16 00:32	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/13/16 00:32	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		12/13/16 00:32	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/13/16 00:32	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		12/13/16 00:32	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/13/16 00:32	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		12/13/16 00:32	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		12/13/16 00:32	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		12/13/16 00:32	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 00:32	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/13/16 00:32	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 00:32	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		12/13/16 00:32	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		12/13/16 00:32	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		12/13/16 00:32	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 00:32	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/13/16 00:32	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		12/13/16 00:32	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/13/16 00:32	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		12/13/16 00:32	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/13/16 00:32	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		12/13/16 00:32	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		12/13/16 00:32	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		12/13/16 00:32	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/13/16 00:32	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/13/16 00:32	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		12/13/16 00:32	91-20-3		
Styrene	ND	ug/L	1.0	1		12/13/16 00:32	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 00:32	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/13/16 00:32	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-03-120816		Lab ID: 92322711024		Collected: 12/08/16 09:30		Received: 12/09/16 10:07		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		12/13/16 00:32	127-18-4		
Toluene	ND	ug/L	1.0	1		12/13/16 00:32	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/13/16 00:32	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/13/16 00:32	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/13/16 00:32	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		12/13/16 00:32	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		12/13/16 00:32	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/13/16 00:32	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		12/13/16 00:32	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		12/13/16 00:32	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		12/13/16 00:32	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		12/13/16 00:32	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		12/13/16 00:32	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130	1		12/13/16 00:32	460-00-4		
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		12/13/16 00:32	17060-07-0		
Toluene-d8 (S)	107	%	70-130	1		12/13/16 00:32	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	4.6	ug/L	2.0	1		12/13/16 15:30	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	86	%	50-150	1		12/13/16 15:30	17060-07-0		
Toluene-d8 (S)	77	%	50-150	1		12/13/16 15:30	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: TRIP BLANKS		Lab ID: 92322711025	Collected: 12/07/16 00:00	Received: 12/09/16 10:07	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		12/12/16 23:40	67-64-1	
Benzene	ND	ug/L	1.0	1		12/12/16 23:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/12/16 23:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/12/16 23:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/12/16 23:40	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/12/16 23:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/12/16 23:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/12/16 23:40	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/12/16 23:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/12/16 23:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/12/16 23:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/12/16 23:40	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/12/16 23:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/12/16 23:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/12/16 23:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		12/12/16 23:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/12/16 23:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/12/16 23:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/12/16 23:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 23:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 23:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/12/16 23:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/12/16 23:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/12/16 23:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/12/16 23:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/12/16 23:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/12/16 23:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/12/16 23:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/12/16 23:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/12/16 23:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/12/16 23:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/12/16 23:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/12/16 23:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/12/16 23:40	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/12/16 23:40	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		12/12/16 23:40	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		12/12/16 23:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/12/16 23:40	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/12/16 23:40	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/12/16 23:40	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/12/16 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/12/16 23:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/12/16 23:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/12/16 23:40	91-20-3	
Styrene	ND	ug/L	1.0	1		12/12/16 23:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/12/16 23:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/12/16 23:40	79-34-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: TRIP BLANKS		Lab ID: 92322711025		Collected: 12/07/16 00:00		Received: 12/09/16 10:07		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		12/12/16 23:40	127-18-4	
Toluene		ND	ug/L	1.0	1		12/12/16 23:40	108-88-3	
1,2,3-Trichlorobenzene		ND	ug/L	1.0	1		12/12/16 23:40	87-61-6	
1,2,4-Trichlorobenzene		ND	ug/L	1.0	1		12/12/16 23:40	120-82-1	
1,1,1-Trichloroethane		ND	ug/L	1.0	1		12/12/16 23:40	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	1.0	1		12/12/16 23:40	79-00-5	
Trichloroethene		ND	ug/L	1.0	1		12/12/16 23:40	79-01-6	
Trichlorofluoromethane		ND	ug/L	1.0	1		12/12/16 23:40	75-69-4	
1,2,3-Trichloropropane		ND	ug/L	1.0	1		12/12/16 23:40	96-18-4	
Vinyl acetate		ND	ug/L	2.0	1		12/12/16 23:40	108-05-4	
Vinyl chloride		ND	ug/L	1.0	1		12/12/16 23:40	75-01-4	
Xylene (Total)		ND	ug/L	1.0	1		12/12/16 23:40	1330-20-7	
m&p-Xylene		ND	ug/L	2.0	1		12/12/16 23:40	179601-23-1	
o-Xylene		ND	ug/L	1.0	1		12/12/16 23:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)		102	%	70-130	1		12/12/16 23:40	460-00-4	
1,2-Dichloroethane-d4 (S)		93	%	70-130	1		12/12/16 23:40	17060-07-0	
Toluene-d8 (S)		106	%	70-130	1		12/12/16 23:40	2037-26-5	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)		ND	ug/L	2.0	1		12/12/16 22:34	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)		84	%	50-150	1		12/12/16 22:34	17060-07-0	
Toluene-d8 (S)		78	%	50-150	1		12/12/16 22:34	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-100-120616		Lab ID: 92322711026		Collected: 12/06/16 12:00		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		12/14/16 17:45	67-64-1		
Benzene	ND	ug/L	2.0	2		12/14/16 17:45	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		12/14/16 17:45	108-86-1		
Bromochloromethane	ND	ug/L	2.0	2		12/14/16 17:45	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		12/14/16 17:45	75-27-4		
Bromoform	ND	ug/L	2.0	2		12/14/16 17:45	75-25-2		
Bromomethane	ND	ug/L	4.0	2		12/14/16 17:45	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		12/14/16 17:45	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		12/14/16 17:45	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	108-90-7		
Chloroethane	ND	ug/L	2.0	2		12/14/16 17:45	75-00-3		
Chloroform	ND	ug/L	2.0	2		12/14/16 17:45	67-66-3		
Chloromethane	ND	ug/L	2.0	2		12/14/16 17:45	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		12/14/16 17:45	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		12/14/16 17:45	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		12/14/16 17:45	96-12-8		
Dibromochloromethane	ND	ug/L	2.0	2		12/14/16 17:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		12/14/16 17:45	106-93-4		
Dibromomethane	ND	ug/L	2.0	2		12/14/16 17:45	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.0	2		12/14/16 17:45	75-71-8		
1,1-Dichloroethane	66.5	ug/L	2.0	2		12/14/16 17:45	75-34-3		
1,2-Dichloroethane	3.3	ug/L	2.0	2		12/14/16 17:45	107-06-2		
1,1-Dichloroethene	278	ug/L	2.0	2		12/14/16 17:45	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		12/14/16 17:45	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		12/14/16 17:45	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		12/14/16 17:45	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		12/14/16 17:45	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.0	2		12/14/16 17:45	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.0	2		12/14/16 17:45	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		12/14/16 17:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		12/14/16 17:45	10061-02-6		
Diisopropyl ether	ND	ug/L	2.0	2		12/14/16 17:45	108-20-3		
1,4-Dioxane (p-Dioxane)	661	ug/L	300	2		12/14/16 17:45	123-91-1	L1	
Ethylbenzene	ND	ug/L	2.0	2		12/14/16 17:45	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		12/14/16 17:45	87-68-3		
2-Hexanone	ND	ug/L	10.0	2		12/14/16 17:45	591-78-6		
p-Isopropyltoluene	ND	ug/L	2.0	2		12/14/16 17:45	99-87-6		
Methylene Chloride	ND	ug/L	4.0	2		12/14/16 17:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		12/14/16 17:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	2.0	2		12/14/16 17:45	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		12/14/16 17:45	91-20-3		
Styrene	ND	ug/L	2.0	2		12/14/16 17:45	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		12/14/16 17:45	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		12/14/16 17:45	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Sample: MW-100-120616		Lab ID: 92322711026		Collected: 12/06/16 12:00		Received: 12/09/16 10:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		12/14/16 17:45	127-18-4		
Toluene	ND	ug/L	2.0	2		12/14/16 17:45	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		12/14/16 17:45	120-82-1		
1,1,1-Trichloroethane	28.6	ug/L	2.0	2		12/14/16 17:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	2.0	2		12/14/16 17:45	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		12/14/16 17:45	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		12/14/16 17:45	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.0	2		12/14/16 17:45	96-18-4		
Vinyl acetate	ND	ug/L	4.0	2		12/14/16 17:45	108-05-4		
Vinyl chloride	ND	ug/L	2.0	2		12/14/16 17:45	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		12/14/16 17:45	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		12/14/16 17:45	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		12/14/16 17:45	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	2		12/14/16 17:45	460-00-4		
1,2-Dichloroethane-d4 (S)	94	%	70-130	2		12/14/16 17:45	17060-07-0		
Toluene-d8 (S)	107	%	70-130	2		12/14/16 17:45	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	220	ug/L	5.0	2.5		12/13/16 01:41	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%	50-150	2.5		12/13/16 01:41	17060-07-0		
Toluene-d8 (S)	78	%	50-150	2.5		12/13/16 01:41	2037-26-5		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340452	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92322711014		

METHOD BLANK: 1888247 Matrix: Water

Associated Lab Samples: 92322711014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,1-Dichloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,1-Dichloroethene	ug/L	ND	1.0	12/12/16 11:28	
1,1-Dichloropropene	ug/L	ND	1.0	12/12/16 11:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/12/16 11:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/12/16 11:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/12/16 11:28	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
1,2-Dichloroethane	ug/L	ND	1.0	12/12/16 11:28	
1,2-Dichloropropane	ug/L	ND	1.0	12/12/16 11:28	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
1,3-Dichloropropane	ug/L	ND	1.0	12/12/16 11:28	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/12/16 11:28	
2,2-Dichloropropane	ug/L	ND	1.0	12/12/16 11:28	
2-Butanone (MEK)	ug/L	ND	5.0	12/12/16 11:28	
2-Chlorotoluene	ug/L	ND	1.0	12/12/16 11:28	
2-Hexanone	ug/L	ND	5.0	12/12/16 11:28	
4-Chlorotoluene	ug/L	ND	1.0	12/12/16 11:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/12/16 11:28	
Acetone	ug/L	ND	25.0	12/12/16 11:28	
Benzene	ug/L	ND	1.0	12/12/16 11:28	
Bromobenzene	ug/L	ND	1.0	12/12/16 11:28	
Bromochloromethane	ug/L	ND	1.0	12/12/16 11:28	
Bromodichloromethane	ug/L	ND	1.0	12/12/16 11:28	
Bromoform	ug/L	ND	1.0	12/12/16 11:28	
Bromomethane	ug/L	ND	2.0	12/12/16 11:28	
Carbon tetrachloride	ug/L	ND	1.0	12/12/16 11:28	
Chlorobenzene	ug/L	ND	1.0	12/12/16 11:28	
Chloroethane	ug/L	ND	1.0	12/12/16 11:28	
Chloroform	ug/L	ND	1.0	12/12/16 11:28	
Chloromethane	ug/L	ND	1.0	12/12/16 11:28	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 11:28	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 11:28	
Dibromochloromethane	ug/L	ND	1.0	12/12/16 11:28	
Dibromomethane	ug/L	ND	1.0	12/12/16 11:28	

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

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1888247

Matrix: Water

Associated Lab Samples: 92322711014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/12/16 11:28	
Diisopropyl ether	ug/L	ND	1.0	12/12/16 11:28	
Ethylbenzene	ug/L	ND	1.0	12/12/16 11:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/12/16 11:28	
m&p-Xylene	ug/L	ND	2.0	12/12/16 11:28	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/12/16 11:28	
Methylene Chloride	ug/L	ND	2.0	12/12/16 11:28	
Naphthalene	ug/L	ND	1.0	12/12/16 11:28	
o-Xylene	ug/L	ND	1.0	12/12/16 11:28	
p-Isopropyltoluene	ug/L	ND	1.0	12/12/16 11:28	
Styrene	ug/L	ND	1.0	12/12/16 11:28	
Tetrachloroethene	ug/L	ND	1.0	12/12/16 11:28	
Toluene	ug/L	ND	1.0	12/12/16 11:28	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 11:28	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 11:28	
Trichloroethene	ug/L	ND	1.0	12/12/16 11:28	
Trichlorofluoromethane	ug/L	ND	1.0	12/12/16 11:28	
Vinyl acetate	ug/L	ND	2.0	12/12/16 11:28	
Vinyl chloride	ug/L	ND	1.0	12/12/16 11:28	
Xylene (Total)	ug/L	ND	1.0	12/12/16 11:28	
1,2-Dichloroethane-d4 (S)	%	99	70-130	12/12/16 11:28	
4-Bromofluorobenzene (S)	%	102	70-130	12/12/16 11:28	
Toluene-d8 (S)	%	111	70-130	12/12/16 11:28	

LABORATORY CONTROL SAMPLE: 1888248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.4	101	70-130	
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	70-130	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethene	ug/L	50	58.6	117	70-132	
1,1-Dichloropropene	ug/L	50	55.4	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.1	100	70-135	
1,2,3-Trichloropropane	ug/L	50	46.4	93	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	44.8	90	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
1,2-Dichloropropane	ug/L	50	55.6	111	70-130	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,3-Dichloropropane	ug/L	50	53.8	108	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1888248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1260	126	71-125	L0
2,2-Dichloropropane	ug/L	50	56.3	113	58-145	
2-Butanone (MEK)	ug/L	100	90.8	91	70-145	
2-Chlorotoluene	ug/L	50	54.9	110	70-130	
2-Hexanone	ug/L	100	90.4	90	70-144	
4-Chlorotoluene	ug/L	50	53.4	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.0	94	70-140	
Acetone	ug/L	100	80.0	80	50-175	
Benzene	ug/L	50	58.6	117	70-130	
Bromobenzene	ug/L	50	53.0	106	70-130	
Bromochloromethane	ug/L	50	54.6	109	70-130	
Bromodichloromethane	ug/L	50	55.7	111	70-130	
Bromoform	ug/L	50	45.7	91	70-130	
Bromomethane	ug/L	50	46.8	94	54-130	
Carbon tetrachloride	ug/L	50	51.8	104	70-132	
Chlorobenzene	ug/L	50	55.7	111	70-130	
Chloroethane	ug/L	50	58.3	117	64-134	
Chloroform	ug/L	50	53.7	107	70-130	
Chloromethane	ug/L	50	51.9	104	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.2	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dibromomethane	ug/L	50	51.2	102	70-131	
Dichlorodifluoromethane	ug/L	50	52.8	106	56-130	
Diisopropyl ether	ug/L	50	52.5	105	70-130	
Ethylbenzene	ug/L	50	55.6	111	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.0	114	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	57.8	116	70-130	
Methylene Chloride	ug/L	50	52.4	105	63-130	
Naphthalene	ug/L	50	50.3	101	70-138	
o-Xylene	ug/L	50	53.5	107	70-130	
p-Isopropyltoluene	ug/L	50	52.8	106	70-130	
Styrene	ug/L	50	54.3	109	70-130	
Tetrachloroethene	ug/L	50	50.6	101	70-130	
Toluene	ug/L	50	55.6	111	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.6	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	56.6	113	70-132	
Trichloroethene	ug/L	50	53.5	107	70-130	
Trichlorofluoromethane	ug/L	50	57.6	115	62-133	
Vinyl acetate	ug/L	100	97.7	98	66-157	
Vinyl chloride	ug/L	50	52.0	104	50-150	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE:		1888249	92322779004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
1,1,1,2-Tetrachloroethane	ug/L	ND	20	18.9	95	70-130		
1,1,1-Trichloroethane	ug/L	ND	20	24.2	121	70-130		
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.0	95	70-130		
1,1,2-Trichloroethane	ug/L	ND	20	21.5	108	70-130		
1,1-Dichloroethane	ug/L	ND	20	24.2	121	70-130		
1,1-Dichloroethene	ug/L	ND	20	25.5	128	70-166		
1,1-Dichloropropene	ug/L	ND	20	22.9	115	70-130		
1,2,3-Trichlorobenzene	ug/L	ND	20	19.3	96	70-130		
1,2,3-Trichloropropane	ug/L	ND	20	18.6	93	70-130		
1,2,4-Trichlorobenzene	ug/L	ND	20	20.0	100	70-130		
1,2-Dibromo-3-chloropropane	ug/L	ND	20	17.2	86	70-130		
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.8	109	70-130		
1,2-Dichlorobenzene	ug/L	ND	20	21.8	109	70-130		
1,2-Dichloroethane	ug/L	ND	20	21.9	109	70-130		
1,2-Dichloropropane	ug/L	ND	20	22.8	114	70-130		
1,3-Dichlorobenzene	ug/L	ND	20	21.8	109	70-130		
1,3-Dichloropropane	ug/L	ND	20	20.7	103	70-130		
1,4-Dichlorobenzene	ug/L	ND	20	21.4	107	70-130		
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	224	56	70-130	MO	
2,2-Dichloropropane	ug/L	ND	20	22.2	111	70-130		
2-Butanone (MEK)	ug/L	ND	40	40.1	100	70-130		
2-Chlorotoluene	ug/L	ND	20	23.1	116	70-130		
2-Hexanone	ug/L	ND	40	35.8	89	70-130		
4-Chlorotoluene	ug/L	ND	20	22.4	112	70-130		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	37.6	94	70-130		
Acetone	ug/L	ND	40	35.8	85	70-130		
Benzene	ug/L	ND	20	25.8	129	70-148		
Bromobenzene	ug/L	ND	20	21.6	108	70-130		
Bromochloromethane	ug/L	ND	20	25.2	126	70-130		
Bromodichloromethane	ug/L	ND	20	23.5	117	70-130		
Bromoform	ug/L	ND	20	16.7	83	70-130		
Bromomethane	ug/L	ND	20	17.7	89	70-130		
Carbon tetrachloride	ug/L	ND	20	22.4	112	70-130		
Chlorobenzene	ug/L	ND	20	22.8	114	70-146		
Chloroethane	ug/L	ND	20	25.2	126	70-130		
Chloroform	ug/L	ND	20	24.0	120	70-130		
Chloromethane	ug/L	ND	20	23.5	118	70-130		
cis-1,2-Dichloroethene	ug/L	ND	20	24.0	120	70-130		
cis-1,3-Dichloropropene	ug/L	ND	20	19.9	100	70-130		
Dibromochloromethane	ug/L	ND	20	19.2	96	70-130		
Dibromomethane	ug/L	ND	20	21.9	109	70-130		
Dichlorodifluoromethane	ug/L	ND	20	24.6	123	70-130		
Diisopropyl ether	ug/L	ND	20	21.7	109	70-130		
Ethylbenzene	ug/L	ND	20	24.0	120	70-130		
Hexachloro-1,3-butadiene	ug/L	ND	20	21.5	107	70-130		
m&p-Xylene	ug/L	ND	40	48.4	121	70-130		
Methyl-tert-butyl ether	ug/L	ND	20	22.7	113	70-130		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE: 1888249		92322779004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Methylene Chloride	ug/L	ND	20	22.7	114	70-130	
Naphthalene	ug/L	ND	20	18.2	91	70-130	
o-Xylene	ug/L	ND	20	23.4	117	70-130	
p-Isopropyltoluene	ug/L	ND	20	21.6	108	70-130	
Styrene	ug/L	ND	20	23.2	116	70-130	
Tetrachloroethene	ug/L	ND	20	20.4	102	70-130	
Toluene	ug/L	ND	20	24.7	124	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	25.1	126	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	19.6	98	70-130	
Trichloroethene	ug/L	ND	20	23.1	115	69-151	
Trichlorofluoromethane	ug/L	ND	20	28.2	141	70-130	M1
Vinyl acetate	ug/L	ND	40	35.7	89	70-130	
Vinyl chloride	ug/L	ND	20	23.9	119	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1888250

Parameter	Units	92322842001	Dup	RPD	Max	
		Result	Result		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	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

SAMPLE DUPLICATE: 1888250

Parameter	Units	92322842001 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	97	98	0		
4-Bromofluorobenzene (S)	%	99	102	3		
Toluene-d8 (S)	%	108	109	1		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340465	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples: 92322711003, 92322711006, 92322711007, 92322711008, 92322711019, 92322711024, 92322711025			

METHOD BLANK:	1888305	Matrix:	Water
Associated Lab Samples: 92322711003, 92322711006, 92322711007, 92322711008, 92322711019, 92322711024, 92322711025			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,1-Dichloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,1-Dichloroethene	ug/L	ND	1.0	12/12/16 23:05	
1,1-Dichloropropene	ug/L	ND	1.0	12/12/16 23:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/12/16 23:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/12/16 23:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/12/16 23:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
1,2-Dichloroethane	ug/L	ND	1.0	12/12/16 23:05	
1,2-Dichloropropane	ug/L	ND	1.0	12/12/16 23:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
1,3-Dichloropropane	ug/L	ND	1.0	12/12/16 23:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/12/16 23:05	
2,2-Dichloropropane	ug/L	ND	1.0	12/12/16 23:05	
2-Butanone (MEK)	ug/L	ND	5.0	12/12/16 23:05	
2-Chlorotoluene	ug/L	ND	1.0	12/12/16 23:05	
2-Hexanone	ug/L	ND	5.0	12/12/16 23:05	
4-Chlorotoluene	ug/L	ND	1.0	12/12/16 23:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/12/16 23:05	
Acetone	ug/L	ND	25.0	12/12/16 23:05	
Benzene	ug/L	ND	1.0	12/12/16 23:05	
Bromobenzene	ug/L	ND	1.0	12/12/16 23:05	
Bromochloromethane	ug/L	ND	1.0	12/12/16 23:05	
Bromodichloromethane	ug/L	ND	1.0	12/12/16 23:05	
Bromoform	ug/L	ND	1.0	12/12/16 23:05	
Bromomethane	ug/L	ND	2.0	12/12/16 23:05	
Carbon tetrachloride	ug/L	ND	1.0	12/12/16 23:05	
Chlorobenzene	ug/L	ND	1.0	12/12/16 23:05	
Chloroethane	ug/L	ND	1.0	12/12/16 23:05	
Chloroform	ug/L	ND	1.0	12/12/16 23:05	
Chloromethane	ug/L	ND	1.0	12/12/16 23:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 23:05	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 23:05	
Dibromochloromethane	ug/L	ND	1.0	12/12/16 23:05	
Dibromomethane	ug/L	ND	1.0	12/12/16 23:05	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1888305

Matrix: Water

Associated Lab Samples: 92322711003, 92322711006, 92322711007, 92322711008, 92322711019, 92322711024, 92322711025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/12/16 23:05	
Diisopropyl ether	ug/L	ND	1.0	12/12/16 23:05	
Ethylbenzene	ug/L	ND	1.0	12/12/16 23:05	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/12/16 23:05	
m&p-Xylene	ug/L	ND	2.0	12/12/16 23:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/12/16 23:05	
Methylene Chloride	ug/L	ND	2.0	12/12/16 23:05	
Naphthalene	ug/L	ND	1.0	12/12/16 23:05	
o-Xylene	ug/L	ND	1.0	12/12/16 23:05	
p-Isopropyltoluene	ug/L	ND	1.0	12/12/16 23:05	
Styrene	ug/L	ND	1.0	12/12/16 23:05	
Tetrachloroethene	ug/L	ND	1.0	12/12/16 23:05	
Toluene	ug/L	ND	1.0	12/12/16 23:05	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 23:05	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 23:05	
Trichloroethene	ug/L	ND	1.0	12/12/16 23:05	
Trichlorofluoromethane	ug/L	ND	1.0	12/12/16 23:05	
Vinyl acetate	ug/L	ND	2.0	12/12/16 23:05	
Vinyl chloride	ug/L	ND	1.0	12/12/16 23:05	
Xylene (Total)	ug/L	ND	1.0	12/12/16 23:05	
1,2-Dichloroethane-d4 (S)	%	93	70-130	12/12/16 23:05	
4-Bromofluorobenzene (S)	%	100	70-130	12/12/16 23:05	
Toluene-d8 (S)	%	105	70-130	12/12/16 23:05	

LABORATORY CONTROL SAMPLE: 1888306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	70-130	
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	53.1	106	70-130	
1,1-Dichloroethene	ug/L	50	56.0	112	70-132	
1,1-Dichloropropene	ug/L	50	53.2	106	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.6	99	70-135	
1,2,3-Trichloropropane	ug/L	50	45.0	90	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.2	102	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.2	86	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	70-130	
1,2-Dichloropropane	ug/L	50	55.5	111	70-130	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,3-Dichloropropane	ug/L	50	52.6	105	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1888306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1360	136	71-125	L0
2,2-Dichloropropane	ug/L	50	52.4	105	58-145	
2-Butanone (MEK)	ug/L	100	94.0	94	70-145	
2-Chlorotoluene	ug/L	50	52.1	104	70-130	
2-Hexanone	ug/L	100	87.1	87	70-144	
4-Chlorotoluene	ug/L	50	51.2	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.7	92	70-140	
Acetone	ug/L	100	83.4	83	50-175	
Benzene	ug/L	50	56.7	113	70-130	
Bromobenzene	ug/L	50	50.5	101	70-130	
Bromochloromethane	ug/L	50	54.8	110	70-130	
Bromodichloromethane	ug/L	50	56.2	112	70-130	
Bromoform	ug/L	50	42.4	85	70-130	
Bromomethane	ug/L	50	46.4	93	54-130	
Carbon tetrachloride	ug/L	50	48.8	98	70-132	
Chlorobenzene	ug/L	50	53.5	107	70-130	
Chloroethane	ug/L	50	56.8	114	64-134	
Chloroform	ug/L	50	53.1	106	70-130	
Chloromethane	ug/L	50	53.1	106	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.1	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.8	104	70-130	
Dibromochloromethane	ug/L	50	46.9	94	70-130	
Dibromomethane	ug/L	50	51.2	102	70-131	
Dichlorodifluoromethane	ug/L	50	50.2	100	56-130	
Diisopropyl ether	ug/L	50	52.5	105	70-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.5	105	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	57.1	114	70-130	
Methylene Chloride	ug/L	50	52.7	105	63-130	
Naphthalene	ug/L	50	48.1	96	70-138	
o-Xylene	ug/L	50	51.1	102	70-130	
p-Isopropyltoluene	ug/L	50	48.6	97	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	47.1	94	70-130	
Toluene	ug/L	50	54.8	110	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.7	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.6	109	70-132	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	55.3	111	62-133	
Vinyl acetate	ug/L	100	94.3	94	66-157	
Vinyl chloride	ug/L	50	50.0	100	50-150	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE:	1888880	92322711006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	12.7	64	70-130	M1
1,1,1-Trichloroethane	ug/L	ND	20	16.5	82	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	12.2	61	70-130	M1
1,1,2-Trichloroethane	ug/L	ND	20	13.7	68	70-130	M1
1,1-Dichloroethane	ug/L	2.6	20	17.8	76	70-130	
1,1-Dichloroethene	ug/L	23.4	20	38.8	77	70-166	
1,1-Dichloropropene	ug/L	ND	20	14.6	73	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	13.1	65	70-130	M1
1,2,3-Trichloropropane	ug/L	ND	20	12.3	62	70-130	M1
1,2,4-Trichlorobenzene	ug/L	ND	20	13.3	67	70-130	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	20	11.7	59	70-130	M1
1,2-Dibromoethane (EDB)	ug/L	ND	20	13.1	66	70-130	M1
1,2-Dichlorobenzene	ug/L	ND	20	13.9	69	70-130	M1
1,2-Dichloroethane	ug/L	ND	20	14.2	70	70-130	
1,2-Dichloropropane	ug/L	ND	20	14.4	72	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	13.7	68	70-130	M1
1,3-Dichloropropane	ug/L	ND	20	12.8	64	70-130	M1
1,4-Dichlorobenzene	ug/L	ND	20	13.8	69	70-130	M1
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	799	200	70-130	M0
2,2-Dichloropropane	ug/L	ND	20	16.2	81	70-130	
2-Butanone (MEK)	ug/L	ND	40	27.5	69	70-130	M1
2-Chlorotoluene	ug/L	ND	20	14.8	74	70-130	
2-Hexanone	ug/L	ND	40	25.8	65	70-130	M1
4-Chlorotoluene	ug/L	ND	20	14.2	71	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	25.3	63	70-130	M1
Acetone	ug/L	ND	40	25.2	63	70-130	M1
Benzene	ug/L	ND	20	16.0	80	70-148	
Bromobenzene	ug/L	ND	20	13.7	69	70-130	M1
Bromochloromethane	ug/L	ND	20	15.0	75	70-130	
Bromodichloromethane	ug/L	ND	20	15.0	75	70-130	
Bromoform	ug/L	ND	20	11.9	59	70-130	M1
Bromomethane	ug/L	ND	20	16.9	84	70-130	
Carbon tetrachloride	ug/L	ND	20	15.5	77	70-130	
Chlorobenzene	ug/L	ND	20	14.8	74	70-146	
Chloroethane	ug/L	ND	20	16.4	82	70-130	
Chloroform	ug/L	ND	20	14.7	74	70-130	
Chloromethane	ug/L	ND	20	16.2	81	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	15.3	77	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	12.8	64	70-130	M1
Dibromochloromethane	ug/L	ND	20	12.8	64	70-130	M1
Dibromomethane	ug/L	ND	20	14.3	72	70-130	
Dichlorodifluoromethane	ug/L	ND	20	15.7	78	70-130	
Diisopropyl ether	ug/L	ND	20	13.7	69	70-130	M1
Ethylbenzene	ug/L	ND	20	15.2	76	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	15.4	77	70-130	
m&p-Xylene	ug/L	ND	40	30.8	77	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	14.4	72	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE: 1888880		92322711006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Methylene Chloride	ug/L	ND	20	13.8	69	70-130	M1
Naphthalene	ug/L	ND	20	12.5	62	70-130	M1
o-Xylene	ug/L	ND	20	14.8	74	70-130	
p-Isopropyltoluene	ug/L	ND	20	13.6	68	70-130	M1
Styrene	ug/L	ND	20	14.3	71	70-130	
Tetrachloroethene	ug/L	ND	20	14.1	71	70-130	
Toluene	ug/L	ND	20	16.0	80	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	15.2	76	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	13.0	65	70-130	M1
Trichloroethene	ug/L	ND	20	14.6	73	69-151	
Trichlorofluoromethane	ug/L	ND	20	19.0	95	70-130	
Vinyl acetate	ug/L	ND	40	25.9	65	70-130	M1
Vinyl chloride	ug/L	ND	20	15.6	78	70-130	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1888879

Parameter	Units	92322711003	Dup	RPD	Max	
		Result	Result		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	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

SAMPLE DUPLICATE: 1888879

Parameter	Units	92322711003 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	.38J		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	96	95	0		
4-Bromofluorobenzene (S)	%	103	102	1		
Toluene-d8 (S)	%	108	109	1		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340466	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92322711001, 92322711002, 92322711004, 92322711005, 92322711018, 92322711021		

METHOD BLANK:	1888321	Matrix:	Water
Associated Lab Samples:	92322711001, 92322711002, 92322711004, 92322711005, 92322711018, 92322711021		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,1-Dichloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,1-Dichloroethene	ug/L	ND	1.0	12/12/16 23:22	
1,1-Dichloropropene	ug/L	ND	1.0	12/12/16 23:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/12/16 23:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/12/16 23:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/12/16 23:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
1,2-Dichloroethane	ug/L	ND	1.0	12/12/16 23:22	
1,2-Dichloropropane	ug/L	ND	1.0	12/12/16 23:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
1,3-Dichloropropane	ug/L	ND	1.0	12/12/16 23:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/12/16 23:22	
2,2-Dichloropropane	ug/L	ND	1.0	12/12/16 23:22	
2-Butanone (MEK)	ug/L	ND	5.0	12/12/16 23:22	
2-Chlorotoluene	ug/L	ND	1.0	12/12/16 23:22	
2-Hexanone	ug/L	ND	5.0	12/12/16 23:22	
4-Chlorotoluene	ug/L	ND	1.0	12/12/16 23:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/12/16 23:22	
Acetone	ug/L	ND	25.0	12/12/16 23:22	
Benzene	ug/L	ND	1.0	12/12/16 23:22	
Bromobenzene	ug/L	ND	1.0	12/12/16 23:22	
Bromochloromethane	ug/L	ND	1.0	12/12/16 23:22	
Bromodichloromethane	ug/L	ND	1.0	12/12/16 23:22	
Bromoform	ug/L	ND	1.0	12/12/16 23:22	
Bromomethane	ug/L	ND	2.0	12/12/16 23:22	
Carbon tetrachloride	ug/L	ND	1.0	12/12/16 23:22	
Chlorobenzene	ug/L	ND	1.0	12/12/16 23:22	
Chloroethane	ug/L	ND	1.0	12/12/16 23:22	
Chloroform	ug/L	ND	1.0	12/12/16 23:22	
Chloromethane	ug/L	ND	1.0	12/12/16 23:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 23:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 23:22	
Dibromochloromethane	ug/L	ND	1.0	12/12/16 23:22	
Dibromomethane	ug/L	ND	1.0	12/12/16 23:22	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1888321

Matrix: Water

Associated Lab Samples: 92322711001, 92322711002, 92322711004, 92322711005, 92322711018, 92322711021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/12/16 23:22	
Diisopropyl ether	ug/L	ND	1.0	12/12/16 23:22	
Ethylbenzene	ug/L	ND	1.0	12/12/16 23:22	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/12/16 23:22	
m&p-Xylene	ug/L	ND	2.0	12/12/16 23:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/12/16 23:22	
Methylene Chloride	ug/L	ND	2.0	12/12/16 23:22	
Naphthalene	ug/L	ND	1.0	12/12/16 23:22	
o-Xylene	ug/L	ND	1.0	12/12/16 23:22	
p-Isopropyltoluene	ug/L	ND	1.0	12/12/16 23:22	
Styrene	ug/L	ND	1.0	12/12/16 23:22	
Tetrachloroethene	ug/L	ND	1.0	12/12/16 23:22	
Toluene	ug/L	ND	1.0	12/12/16 23:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/12/16 23:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/12/16 23:22	
Trichloroethene	ug/L	ND	1.0	12/12/16 23:22	
Trichlorofluoromethane	ug/L	ND	1.0	12/12/16 23:22	
Vinyl acetate	ug/L	ND	2.0	12/12/16 23:22	
Vinyl chloride	ug/L	ND	1.0	12/12/16 23:22	
Xylene (Total)	ug/L	ND	1.0	12/12/16 23:22	
1,2-Dichloroethane-d4 (S)	%	93	70-130	12/12/16 23:22	
4-Bromofluorobenzene (S)	%	101	70-130	12/12/16 23:22	
Toluene-d8 (S)	%	105	70-130	12/12/16 23:22	

LABORATORY CONTROL SAMPLE: 1888322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,2-Trichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethene	ug/L	50	51.5	103	70-132	
1,1-Dichloropropene	ug/L	50	49.6	99	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.2	98	70-135	
1,2,3-Trichloropropane	ug/L	50	45.4	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	42.9	86	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,2-Dichloroethane	ug/L	50	49.2	98	70-130	
1,2-Dichloropropane	ug/L	50	54.6	109	70-130	
1,3-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,3-Dichloropropane	ug/L	50	51.7	103	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1888322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1470	147	71-125	L0
2,2-Dichloropropane	ug/L	50	48.6	97	58-145	
2-Butanone (MEK)	ug/L	100	95.1	95	70-145	
2-Chlorotoluene	ug/L	50	51.9	104	70-130	
2-Hexanone	ug/L	100	92.4	92	70-144	
4-Chlorotoluene	ug/L	50	50.8	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.1	96	70-140	
Acetone	ug/L	100	87.8	88	50-175	
Benzene	ug/L	50	55.6	111	70-130	
Bromobenzene	ug/L	50	48.2	96	70-130	
Bromochloromethane	ug/L	50	54.1	108	70-130	
Bromodichloromethane	ug/L	50	55.3	111	70-130	
Bromoform	ug/L	50	42.9	86	70-130	
Bromomethane	ug/L	50	46.5	93	54-130	
Carbon tetrachloride	ug/L	50	46.3	93	70-132	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	51.8	104	64-134	
Chloroform	ug/L	50	51.1	102	70-130	
Chloromethane	ug/L	50	49.7	99	64-130	
cis-1,2-Dichloroethene	ug/L	50	51.0	102	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	70-130	
Dibromochloromethane	ug/L	50	46.6	93	70-130	
Dibromomethane	ug/L	50	50.5	101	70-131	
Dichlorodifluoromethane	ug/L	50	45.8	92	56-130	
Diisopropyl ether	ug/L	50	51.5	103	70-130	
Ethylbenzene	ug/L	50	52.0	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.4	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	56.1	112	70-130	
Methylene Chloride	ug/L	50	50.7	101	63-130	
Naphthalene	ug/L	50	48.7	97	70-138	
o-Xylene	ug/L	50	50.9	102	70-130	
p-Isopropyltoluene	ug/L	50	47.2	94	70-130	
Styrene	ug/L	50	51.8	104	70-130	
Tetrachloroethene	ug/L	50	46.9	94	70-130	
Toluene	ug/L	50	53.6	107	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.2	108	70-132	
Trichloroethene	ug/L	50	50.0	100	70-130	
Trichlorofluoromethane	ug/L	50	51.1	102	62-133	
Vinyl acetate	ug/L	100	93.3	93	66-157	
Vinyl chloride	ug/L	50	45.6	91	50-150	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			1888323	1888324								
Parameter	Units	92322858003	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
		Result	Spike	Spike						Result	Result	
			Conc.	Conc.					Limits			
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	18.8	20.4	94	102	70-130	8	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	24.9	25.8	124	129	70-130	4	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.6	20.1	93	100	70-130	8	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.4	23.0	107	115	70-130	7	30	
1,1-Dichloroethane	ug/L	ND	20	20	24.7	25.0	124	125	70-130	1	30	
1,1-Dichloroethene	ug/L	ND	20	20	26.9	27.9	134	139	70-166	4	30	
1,1-Dichloropropene	ug/L	ND	20	20	23.1	23.5	115	117	70-130	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	17.7	19.3	89	96	70-130	9	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.3	20.0	92	100	70-130	9	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	18.1	19.6	91	98	70-130	8	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	16.3	18.2	82	91	70-130	11	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	21.1	21.5	106	108	70-130	2	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.4	22.0	102	110	70-130	8	30	
1,2-Dichloroethane	ug/L	ND	20	20	22.1	23.1	110	115	70-130	5	30	
1,2-Dichloropropane	ug/L	ND	20	20	22.5	24.2	112	121	70-130	8	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.7	22.0	104	110	70-130	6	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.4	20.7	102	104	70-130	2	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.3	21.7	102	109	70-130	7	30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	400	404	633	101	158	70-130	44	30	M0,R1
2,2-Dichloropropane	ug/L	ND	20	20	18.5	19.9	93	100	70-130	7	30	
2-Butanone (MEK)	ug/L	ND	40	40	43.4	46.2	109	116	70-130	6	30	
2-Chlorotoluene	ug/L	ND	20	20	22.0	23.8	110	119	70-130	8	30	
2-Hexanone	ug/L	ND	40	40	37.0	40.7	92	102	70-130	10	30	
4-Chlorotoluene	ug/L	ND	20	20	21.1	22.6	105	113	70-130	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	38.5	42.1	96	105	70-130	9	30	
Acetone	ug/L	ND	40	40	41.6	43.5	104	109	70-130	4	30	
Benzene	ug/L	4.3	20	20	30.7	31.9	132	138	70-148	4	30	
Bromobenzene	ug/L	ND	20	20	20.1	21.1	100	106	70-130	5	30	
Bromochloromethane	ug/L	ND	20	20	25.2	25.7	126	128	70-130	2	30	
Bromodichloromethane	ug/L	ND	20	20	23.6	24.7	118	124	70-130	5	30	
Bromoform	ug/L	ND	20	20	16.4	17.5	82	88	70-130	7	30	
Bromomethane	ug/L	ND	20	20	20.7	23.7	104	119	70-130	13	30	
Carbon tetrachloride	ug/L	ND	20	20	22.5	25.0	112	125	70-130	11	30	
Chlorobenzene	ug/L	ND	20	20	22.7	23.9	113	119	70-146	5	30	
Chloroethane	ug/L	ND	20	20	25.9	26.8	130	134	70-130	4	30	M1
Chloroform	ug/L	ND	20	20	23.7	25.3	118	126	70-130	7	30	
Chloromethane	ug/L	ND	20	20	26.8	27.4	134	137	70-130	2	30	M1
cis-1,2-Dichloroethene	ug/L	ND	20	20	24.5	25.1	122	126	70-130	3	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.5	20.1	92	101	70-130	8	30	
Dibromochloromethane	ug/L	ND	20	20	19.1	19.5	95	98	70-130	2	30	
Dibromomethane	ug/L	ND	20	20	22.2	23.3	111	117	70-130	5	30	
Dichlorodifluoromethane	ug/L	ND	20	20	25.0	25.4	125	127	70-130	2	30	
Diisopropyl ether	ug/L	ND	20	20	21.3	22.5	107	112	70-130	5	30	
Ethylbenzene	ug/L	ND	20	20	23.8	25.0	119	125	70-130	5	30	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1888323 1888324											
Parameter	Units	92322858003		MS	MSD	MS		MSD	% Rec		Max
		Result	Conc.	Spike	Spike	Result	Result	Conc.	% Rec	Limits	RPD
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	17.4	19.9	87	99	70-130	13
m&p-Xylene	ug/L	ND	40	40	40	48.3	49.7	121	124	70-130	3
Methyl-tert-butyl ether	ug/L	ND	20	20	20	21.8	22.7	109	113	70-130	4
Methylene Chloride	ug/L	ND	20	20	20	23.2	24.1	116	121	70-130	4
Naphthalene	ug/L	ND	20	20	20	16.7	18.3	83	92	70-130	9
o-Xylene	ug/L	ND	20	20	20	23.2	24.0	116	120	70-130	3
p-Isopropyltoluene	ug/L	ND	20	20	20	19.4	21.9	97	109	70-130	12
Styrene	ug/L	ND	20	20	20	22.7	23.5	113	117	70-130	3
Tetrachloroethene	ug/L	ND	20	20	20	20.6	20.9	103	105	70-130	2
Toluene	ug/L	ND	20	20	20	24.0	26.0	120	130	70-155	8
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	25.6	26.6	128	133	70-130	4
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	18.6	20.6	93	103	70-130	10
Trichloroethene	ug/L	ND	20	20	20	22.5	24.3	113	121	69-151	7
Trichlorofluoromethane	ug/L	ND	20	20	20	29.0	30.0	145	150	70-130	3
Vinyl acetate	ug/L	ND	40	40	40	26.5	28.2	66	71	70-130	6
Vinyl chloride	ug/L	ND	20	20	20	24.9	25.7	125	128	70-130	3
1,2-Dichloroethane-d4 (S)	%							100	96	70-130	
4-Bromofluorobenzene (S)	%							105	100	70-130	
Toluene-d8 (S)	%							99	100	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340602	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples: 92322711009, 92322711010, 92322711011, 92322711013, 92322711020, 92322711022, 92322711023			

METHOD BLANK:	1888927	Matrix:	Water
Associated Lab Samples: 92322711009, 92322711010, 92322711011, 92322711013, 92322711020, 92322711022, 92322711023			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,1-Dichloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,1-Dichloroethene	ug/L	ND	1.0	12/13/16 12:54	
1,1-Dichloropropene	ug/L	ND	1.0	12/13/16 12:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/13/16 12:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/13/16 12:54	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/13/16 12:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
1,2-Dichloroethane	ug/L	ND	1.0	12/13/16 12:54	
1,2-Dichloropropane	ug/L	ND	1.0	12/13/16 12:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
1,3-Dichloropropane	ug/L	ND	1.0	12/13/16 12:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/13/16 12:54	
2,2-Dichloropropane	ug/L	ND	1.0	12/13/16 12:54	
2-Butanone (MEK)	ug/L	ND	5.0	12/13/16 12:54	
2-Chlorotoluene	ug/L	ND	1.0	12/13/16 12:54	
2-Hexanone	ug/L	ND	5.0	12/13/16 12:54	
4-Chlorotoluene	ug/L	ND	1.0	12/13/16 12:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/13/16 12:54	
Acetone	ug/L	ND	25.0	12/13/16 12:54	
Benzene	ug/L	ND	1.0	12/13/16 12:54	
Bromobenzene	ug/L	ND	1.0	12/13/16 12:54	
Bromochloromethane	ug/L	ND	1.0	12/13/16 12:54	
Bromodichloromethane	ug/L	ND	1.0	12/13/16 12:54	
Bromoform	ug/L	ND	1.0	12/13/16 12:54	
Bromomethane	ug/L	ND	2.0	12/13/16 12:54	
Carbon tetrachloride	ug/L	ND	1.0	12/13/16 12:54	
Chlorobenzene	ug/L	ND	1.0	12/13/16 12:54	
Chloroethane	ug/L	ND	1.0	12/13/16 12:54	
Chloroform	ug/L	ND	1.0	12/13/16 12:54	
Chloromethane	ug/L	ND	1.0	12/13/16 12:54	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/13/16 12:54	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/13/16 12:54	
Dibromochloromethane	ug/L	ND	1.0	12/13/16 12:54	
Dibromomethane	ug/L	ND	1.0	12/13/16 12:54	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1888927

Matrix: Water

Associated Lab Samples: 92322711009, 92322711010, 92322711011, 92322711013, 92322711020, 92322711022, 92322711023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/13/16 12:54	
Diisopropyl ether	ug/L	ND	1.0	12/13/16 12:54	
Ethylbenzene	ug/L	ND	1.0	12/13/16 12:54	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/13/16 12:54	
m&p-Xylene	ug/L	ND	2.0	12/13/16 12:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/13/16 12:54	
Methylene Chloride	ug/L	ND	2.0	12/13/16 12:54	
Naphthalene	ug/L	ND	1.0	12/13/16 12:54	
o-Xylene	ug/L	ND	1.0	12/13/16 12:54	
p-Isopropyltoluene	ug/L	ND	1.0	12/13/16 12:54	
Styrene	ug/L	ND	1.0	12/13/16 12:54	
Tetrachloroethene	ug/L	ND	1.0	12/13/16 12:54	
Toluene	ug/L	ND	1.0	12/13/16 12:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/13/16 12:54	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/13/16 12:54	
Trichloroethene	ug/L	ND	1.0	12/13/16 12:54	
Trichlorofluoromethane	ug/L	ND	1.0	12/13/16 12:54	
Vinyl acetate	ug/L	ND	2.0	12/13/16 12:54	
Vinyl chloride	ug/L	ND	1.0	12/13/16 12:54	
Xylene (Total)	ug/L	ND	1.0	12/13/16 12:54	
1,2-Dichloroethane-d4 (S)	%	96	70-130	12/13/16 12:54	
4-Bromofluorobenzene (S)	%	103	70-130	12/13/16 12:54	
Toluene-d8 (S)	%	106	70-130	12/13/16 12:54	

LABORATORY CONTROL SAMPLE: 1888928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	58.1	116	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	70-130	
1,1,2-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1-Dichloroethane	ug/L	50	55.6	111	70-130	
1,1-Dichloroethene	ug/L	50	61.2	122	70-132	
1,1-Dichloropropene	ug/L	50	56.3	113	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.1	94	70-135	
1,2,3-Trichloropropane	ug/L	50	46.4	93	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	42.7	85	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	70-130	
1,2-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,2-Dichloroethane	ug/L	50	51.9	104	70-130	
1,2-Dichloropropane	ug/L	50	56.5	113	70-130	
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,3-Dichloropropane	ug/L	50	53.6	107	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1888928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1510	151	71-125	L0
2,2-Dichloropropane	ug/L	50	58.1	116	58-145	
2-Butanone (MEK)	ug/L	100	107	107	70-145	
2-Chlorotoluene	ug/L	50	51.9	104	70-130	
2-Hexanone	ug/L	100	96.1	96	70-144	
4-Chlorotoluene	ug/L	50	51.0	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.4	94	70-140	
Acetone	ug/L	100	97.2	97	50-175	
Benzene	ug/L	50	58.5	117	70-130	
Bromobenzene	ug/L	50	47.8	96	70-130	
Bromochloromethane	ug/L	50	57.5	115	70-130	
Bromodichloromethane	ug/L	50	56.0	112	70-130	
Bromoform	ug/L	50	43.6	87	70-130	
Bromomethane	ug/L	50	54.4	109	54-130	
Carbon tetrachloride	ug/L	50	52.3	105	70-132	
Chlorobenzene	ug/L	50	54.3	109	70-130	
Chloroethane	ug/L	50	58.8	118	64-134	
Chloroform	ug/L	50	55.5	111	70-130	
Chloromethane	ug/L	50	57.7	115	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.3	113	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dibromomethane	ug/L	50	52.1	104	70-131	
Dichlorodifluoromethane	ug/L	50	52.4	105	56-130	
Diisopropyl ether	ug/L	50	54.2	108	70-130	
Ethylbenzene	ug/L	50	54.5	109	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	58.2	116	70-130	
Methylene Chloride	ug/L	50	55.1	110	63-130	
Naphthalene	ug/L	50	46.0	92	70-138	
o-Xylene	ug/L	50	54.3	109	70-130	
p-Isopropyltoluene	ug/L	50	48.2	96	70-130	
Styrene	ug/L	50	55.8	112	70-130	
Tetrachloroethene	ug/L	50	49.7	99	70-130	
Toluene	ug/L	50	54.2	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	59.0	118	70-130	
trans-1,3-Dichloropropene	ug/L	50	55.6	111	70-132	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	59.7	119	62-133	
Vinyl acetate	ug/L	100	101	101	66-157	
Vinyl chloride	ug/L	50	53.1	106	50-150	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1888929 1888930											
Parameter	Units	92322711011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	40	40	25.8	27.3	65	68	70-130	5	30 M1
1,1,1-Trichloroethane	ug/L	20.7	40	40	53.3	54.4	81	84	70-130	2	30
1,1,2,2-Tetrachloroethane	ug/L	ND	40	40	24.6	26.4	62	66	70-130	7	30 M1
1,1,2-Trichloroethane	ug/L	ND	40	40	29.0	31.1	73	78	70-130	7	30
1,1-Dichloroethane	ug/L	56.6	40	40	82.0	84.1	64	69	70-130	3	30 M1
1,1-Dichloroethene	ug/L	254	40	40	248	257	-16	6	70-166	4	30 M1
1,1-Dichloropropene	ug/L	ND	40	40	30.8	31.2	77	78	70-130	1	30
1,2,3-Trichlorobenzene	ug/L	ND	40	40	25.1	25.4	63	64	70-130	1	30 M1
1,2,3-Trichloropropane	ug/L	ND	40	40	24.5	25.2	61	63	70-130	3	30 M1
1,2,4-Trichlorobenzene	ug/L	ND	40	40	26.2	26.0	65	65	70-130	1	30 M1
1,2-Dibromo-3-chloropropane	ug/L	ND	40	40	23.0	23.5	57	59	70-130	2	30 M1
1,2-Dibromoethane (EDB)	ug/L	ND	40	40	26.9	27.8	67	69	70-130	3	30 M1
1,2-Dichlorobenzene	ug/L	ND	40	40	27.4	27.7	69	69	70-130	1	30 M1
1,2-Dichloroethane	ug/L	2.9	40	40	30.9	31.4	70	71	70-130	2	30
1,2-Dichloropropane	ug/L	ND	40	40	30.6	31.6	77	79	70-130	3	30
1,3-Dichlorobenzene	ug/L	ND	40	40	27.7	28.7	69	72	70-130	3	30 M1
1,3-Dichloropropane	ug/L	ND	40	40	27.3	28.8	68	72	70-130	5	30 M1
1,4-Dichlorobenzene	ug/L	ND	40	40	27.5	28.0	69	70	70-130	2	30 M1
1,4-Dioxane (p-Dioxane)	ug/L	ND	800	800	1150	1360	144	170	70-130	17	30 M0
2,2-Dichloropropane	ug/L	ND	40	40	27.5	27.7	69	69	70-130	1	30 M1
2-Butanone (MEK)	ug/L	ND	80	80	58.1	60.8	73	76	70-130	4	30
2-Chlorotoluene	ug/L	ND	40	40	30.2	30.3	75	76	70-130	0	30
2-Hexanone	ug/L	ND	80	80	50.6	52.5	63	66	70-130	4	30 M1
4-Chlorotoluene	ug/L	ND	40	40	28.9	29.1	72	73	70-130	1	30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	80	80	52.9	55.0	66	69	70-130	4	30 M1
Acetone	ug/L	ND	80	80	59.0	60.3	74	75	70-130	2	30
Benzene	ug/L	ND	40	40	32.4	34.3	81	86	70-148	6	30
Bromobenzene	ug/L	ND	40	40	26.6	26.9	66	67	70-130	1	30 M1
Bromochloromethane	ug/L	ND	40	40	32.5	33.2	81	83	70-130	2	30
Bromodichloromethane	ug/L	ND	40	40	29.9	31.6	75	79	70-130	6	30
Bromoform	ug/L	ND	40	40	24.1	25.3	60	63	70-130	5	30 M1
Bromomethane	ug/L	ND	40	40	30.1	30.6	75	76	70-130	2	30
Carbon tetrachloride	ug/L	ND	40	40	29.5	31.4	74	78	70-130	6	30
Chlorobenzene	ug/L	ND	40	40	30.3	31.2	76	78	70-146	3	30
Chloroethane	ug/L	ND	40	40	33.5	34.4	84	86	70-130	3	30
Chloroform	ug/L	ND	40	40	29.7	31.9	74	80	70-130	7	30
Chloromethane	ug/L	ND	40	40	35.8	36.7	89	92	70-130	2	30
cis-1,2-Dichloroethene	ug/L	ND	40	40	31.4	32.1	78	80	70-130	2	30
cis-1,3-Dichloropropene	ug/L	ND	40	40	25.4	26.8	63	67	70-130	5	30 M1
Dibromochloromethane	ug/L	ND	40	40	25.1	26.5	63	66	70-130	5	30 M1
Dibromomethane	ug/L	ND	40	40	28.1	31.4	70	78	70-130	11	30
Dichlorodifluoromethane	ug/L	ND	40	40	32.7	33.7	82	84	70-130	3	30
Diisopropyl ether	ug/L	ND	40	40	28.4	28.6	71	72	70-130	1	30
Ethylbenzene	ug/L	ND	40	40	31.4	31.9	78	80	70-130	2	30

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1888929 1888930											
Parameter	Units	92322711011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Hexachloro-1,3-butadiene	ug/L	ND	40	40	27.6	29.6	69	74	70-130	7	30 M1
m&p-Xylene	ug/L	ND	80	80	62.6	65.4	78	82	70-130	4	30
Methyl-tert-butyl ether	ug/L	ND	40	40	30.2	29.7	74	73	70-130	2	30
Methylene Chloride	ug/L	ND	40	40	32.6	33.1	79	81	70-130	2	30
Naphthalene	ug/L	ND	40	40	24.3	24.8	61	62	70-130	2	30 M1
o-Xylene	ug/L	ND	40	40	30.2	31.6	75	79	70-130	5	30
p-Isopropyltoluene	ug/L	ND	40	40	26.0	26.5	65	66	70-130	2	30 M1
Styrene	ug/L	ND	40	40	29.1	29.8	73	75	70-130	2	30
Tetrachloroethene	ug/L	ND	40	40	29.0	28.5	72	71	70-130	2	30
Toluene	ug/L	ND	40	40	31.7	33.1	79	83	70-155	4	30
trans-1,2-Dichloroethene	ug/L	ND	40	40	32.6	33.9	81	85	70-130	4	30
trans-1,3-Dichloropropene	ug/L	ND	40	40	25.9	27.1	65	68	70-130	4	30 M1
Trichloroethene	ug/L	ND	40	40	31.2	31.9	78	80	69-151	2	30
Trichlorofluoromethane	ug/L	ND	40	40	37.4	38.8	94	97	70-130	3	30
Vinyl acetate	ug/L	ND	80	80	45.6	47.4	57	59	70-130	4	30 M1
Vinyl chloride	ug/L	ND	40	40	30.5	30.5	76	76	70-130	0	30
1,2-Dichloroethane-d4 (S)	%						96	98	70-130		
4-Bromofluorobenzene (S)	%						104	104	70-130		
Toluene-d8 (S)	%						100	100	70-130		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340638	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92322711012, 92322711015, 92322711016		

METHOD BLANK: 1889287 Matrix: Water

Associated Lab Samples: 92322711012, 92322711015, 92322711016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,1-Dichloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,1-Dichloroethene	ug/L	ND	1.0	12/14/16 01:05	
1,1-Dichloropropene	ug/L	ND	1.0	12/14/16 01:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/14/16 01:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/14/16 01:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/14/16 01:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
1,2-Dichloroethane	ug/L	ND	1.0	12/14/16 01:05	
1,2-Dichloropropane	ug/L	ND	1.0	12/14/16 01:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
1,3-Dichloropropane	ug/L	ND	1.0	12/14/16 01:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/14/16 01:05	
2,2-Dichloropropane	ug/L	ND	1.0	12/14/16 01:05	
2-Butanone (MEK)	ug/L	ND	5.0	12/14/16 01:05	
2-Chlorotoluene	ug/L	ND	1.0	12/14/16 01:05	
2-Hexanone	ug/L	ND	5.0	12/14/16 01:05	
4-Chlorotoluene	ug/L	ND	1.0	12/14/16 01:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/14/16 01:05	
Acetone	ug/L	ND	25.0	12/14/16 01:05	
Benzene	ug/L	ND	1.0	12/14/16 01:05	
Bromobenzene	ug/L	ND	1.0	12/14/16 01:05	
Bromochloromethane	ug/L	ND	1.0	12/14/16 01:05	
Bromodichloromethane	ug/L	ND	1.0	12/14/16 01:05	
Bromoform	ug/L	ND	1.0	12/14/16 01:05	
Bromomethane	ug/L	ND	2.0	12/14/16 01:05	
Carbon tetrachloride	ug/L	ND	1.0	12/14/16 01:05	
Chlorobenzene	ug/L	ND	1.0	12/14/16 01:05	
Chloroethane	ug/L	ND	1.0	12/14/16 01:05	
Chloroform	ug/L	ND	1.0	12/14/16 01:05	
Chloromethane	ug/L	ND	1.0	12/14/16 01:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/14/16 01:05	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/14/16 01:05	
Dibromochloromethane	ug/L	ND	1.0	12/14/16 01:05	
Dibromomethane	ug/L	ND	1.0	12/14/16 01:05	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1889287

Matrix: Water

Associated Lab Samples: 92322711012, 92322711015, 92322711016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/14/16 01:05	
Diisopropyl ether	ug/L	ND	1.0	12/14/16 01:05	
Ethylbenzene	ug/L	ND	1.0	12/14/16 01:05	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/14/16 01:05	
m&p-Xylene	ug/L	ND	2.0	12/14/16 01:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/14/16 01:05	
Methylene Chloride	ug/L	ND	2.0	12/14/16 01:05	
Naphthalene	ug/L	ND	1.0	12/14/16 01:05	
o-Xylene	ug/L	ND	1.0	12/14/16 01:05	
p-Isopropyltoluene	ug/L	ND	1.0	12/14/16 01:05	
Styrene	ug/L	ND	1.0	12/14/16 01:05	
Tetrachloroethene	ug/L	ND	1.0	12/14/16 01:05	
Toluene	ug/L	ND	1.0	12/14/16 01:05	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/14/16 01:05	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/14/16 01:05	
Trichloroethene	ug/L	ND	1.0	12/14/16 01:05	
Trichlorofluoromethane	ug/L	ND	1.0	12/14/16 01:05	
Vinyl acetate	ug/L	ND	2.0	12/14/16 01:05	
Vinyl chloride	ug/L	ND	1.0	12/14/16 01:05	
Xylene (Total)	ug/L	ND	1.0	12/14/16 01:05	
1,2-Dichloroethane-d4 (S)	%	94	70-130	12/14/16 01:05	
4-Bromofluorobenzene (S)	%	102	70-130	12/14/16 01:05	
Toluene-d8 (S)	%	109	70-130	12/14/16 01:05	

LABORATORY CONTROL SAMPLE: 1889288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.4	99	70-130	
1,1,2-Trichloroethane	ug/L	50	56.1	112	70-130	
1,1-Dichloroethane	ug/L	50	55.7	111	70-130	
1,1-Dichloroethene	ug/L	50	58.5	117	70-132	
1,1-Dichloropropene	ug/L	50	55.0	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.6	95	70-135	
1,2,3-Trichloropropane	ug/L	50	48.2	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	45.9	92	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	70-130	
1,2-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,2-Dichloroethane	ug/L	50	53.7	107	70-130	
1,2-Dichloropropane	ug/L	50	56.3	113	70-130	
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,3-Dichloropropane	ug/L	50	54.2	108	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1889288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1330	133	71-125	L0
2,2-Dichloropropane	ug/L	50	51.6	103	58-145	
2-Butanone (MEK)	ug/L	100	119	119	70-145	
2-Chlorotoluene	ug/L	50	51.4	103	70-130	
2-Hexanone	ug/L	100	103	103	70-144	
4-Chlorotoluene	ug/L	50	50.9	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-140	
Acetone	ug/L	100	108	108	50-175	
Benzene	ug/L	50	57.7	115	70-130	
Bromobenzene	ug/L	50	47.3	95	70-130	
Bromochloromethane	ug/L	50	57.9	116	70-130	
Bromodichloromethane	ug/L	50	57.3	115	70-130	
Bromoform	ug/L	50	44.2	88	70-130	
Bromomethane	ug/L	50	55.8	112	54-130	
Carbon tetrachloride	ug/L	50	50.8	102	70-132	
Chlorobenzene	ug/L	50	54.3	109	70-130	
Chloroethane	ug/L	50	59.0	118	64-134	
Chloroform	ug/L	50	55.0	110	70-130	
Chloromethane	ug/L	50	62.9	126	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.1	112	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.3	103	70-130	
Dibromochloromethane	ug/L	50	48.6	97	70-130	
Dibromomethane	ug/L	50	52.9	106	70-131	
Dichlorodifluoromethane	ug/L	50	57.0	114	56-130	
Diisopropyl ether	ug/L	50	55.1	110	70-130	
Ethylbenzene	ug/L	50	53.2	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.8	102	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	59.9	120	70-130	
Methylene Chloride	ug/L	50	55.8	112	63-130	
Naphthalene	ug/L	50	48.5	97	70-138	
o-Xylene	ug/L	50	53.5	107	70-130	
p-Isopropyltoluene	ug/L	50	47.4	95	70-130	
Styrene	ug/L	50	53.9	108	70-130	
Tetrachloroethene	ug/L	50	49.7	99	70-130	
Toluene	ug/L	50	55.6	111	70-130	
trans-1,2-Dichloroethene	ug/L	50	57.5	115	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.9	110	70-132	
Trichloroethene	ug/L	50	54.2	108	70-130	
Trichlorofluoromethane	ug/L	50	59.8	120	62-133	
Vinyl acetate	ug/L	100	102	102	66-157	
Vinyl chloride	ug/L	50	53.1	106	50-150	
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1889289 1889290											
Parameter	Units	92322711012		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
										RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	ND	40	40	40	39.9	40.8	100	102	70-130	2 30
1,1,1-Trichloroethane	ug/L	26.5	40	40	40	76.9	80.6	126	135	70-130	5 30 M1
1,1,2,2-Tetrachloroethane	ug/L	ND	40	40	40	40.0	40.8	100	102	70-130	2 30
1,1,2-Trichloroethane	ug/L	ND	40	40	40	47.2	47.4	118	119	70-130	0 30
1,1-Dichloroethane	ug/L	64.0	40	40	40	112	114	121	125	70-130	1 30
1,1-Dichloroethene	ug/L	257	40	40	40	292	296	87	96	70-166	1 30
1,1-Dichloropropene	ug/L	ND	40	40	40	50.1	51.4	125	129	70-130	3 30
1,2,3-Trichlorobenzene	ug/L	ND	40	40	40	36.3	35.7	91	89	70-130	2 30
1,2,3-Trichloropropane	ug/L	ND	40	40	40	39.2	39.8	98	100	70-130	1 30
1,2,4-Trichlorobenzene	ug/L	ND	40	40	40	38.6	38.7	97	97	70-130	0 30
1,2-Dibromo-3-chloropropane	ug/L	ND	40	40	40	34.6	33.6	86	84	70-130	3 30
1,2-Dibromoethane (EDB)	ug/L	ND	40	40	40	41.9	43.6	105	109	70-130	4 30
1,2-Dichlorobenzene	ug/L	ND	40	40	40	41.3	42.0	103	105	70-130	2 30
1,2-Dichloroethane	ug/L	3.3	40	40	40	48.1	49.9	112	116	70-130	4 30
1,2-Dichloropropane	ug/L	ND	40	40	40	49.8	50.7	125	127	70-130	2 30
1,3-Dichlorobenzene	ug/L	ND	40	40	40	43.6	42.2	109	106	70-130	3 30
1,3-Dichloropropane	ug/L	ND	40	40	40	43.6	45.5	109	114	70-130	4 30
1,4-Dichlorobenzene	ug/L	ND	40	40	40	42.3	42.6	106	106	70-130	1 30
1,4-Dioxane (p-Dioxane)	ug/L	ND	800	800	800	1010	1450	126	181	70-130	36 30 M0,R1
2,2-Dichloropropane	ug/L	ND	40	40	40	48.2	48.6	120	122	70-130	1 30
2-Butanone (MEK)	ug/L	ND	80	80	80	95.0	96.1	119	120	70-130	1 30
2-Chlorotoluene	ug/L	ND	40	40	40	45.8	45.3	115	113	70-130	1 30
2-Hexanone	ug/L	ND	80	80	80	76.9	80.7	96	101	70-130	5 30
4-Chlorotoluene	ug/L	ND	40	40	40	44.8	43.9	112	110	70-130	2 30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	80	80	80	85.0	82.8	106	103	70-130	3 30
Acetone	ug/L	ND	80	80	80	90.7	86.1	97	91	70-130	5 30
Benzene	ug/L	ND	40	40	40	52.6	52.4	131	131	70-148	0 30
Bromobenzene	ug/L	ND	40	40	40	41.4	40.8	103	102	70-130	1 30
Bromochloromethane	ug/L	ND	40	40	40	51.0	52.6	127	131	70-130	3 30 M1
Bromodichloromethane	ug/L	ND	40	40	40	48.3	47.9	121	120	70-130	1 30
Bromoform	ug/L	ND	40	40	40	35.7	37.5	89	94	70-130	5 30
Bromomethane	ug/L	ND	40	40	40	46.6	52.4	117	131	70-130	12 30 M1
Carbon tetrachloride	ug/L	ND	40	40	40	43.7	43.7	109	109	70-130	0 30
Chlorobenzene	ug/L	ND	40	40	40	46.5	47.4	116	118	70-146	2 30
Chloroethane	ug/L	ND	40	40	40	54.9	56.5	137	141	70-130	3 30 M1
Chloroform	ug/L	ND	40	40	40	48.3	49.6	121	124	70-130	3 30
Chloromethane	ug/L	ND	40	40	40	54.3	56.4	136	141	70-130	4 30 M1
cis-1,2-Dichloroethene	ug/L	ND	40	40	40	49.7	50.5	123	125	70-130	1 30
cis-1,3-Dichloropropene	ug/L	ND	40	40	40	44.1	44.2	110	111	70-130	0 30
Dibromochloromethane	ug/L	ND	40	40	40	38.5	41.0	96	103	70-130	6 30
Dibromomethane	ug/L	ND	40	40	40	44.5	44.6	111	112	70-130	0 30
Dichlorodifluoromethane	ug/L	ND	40	40	40	48.9	48.5	122	121	70-130	1 30
Diisopropyl ether	ug/L	ND	40	40	40	44.4	46.8	111	117	70-130	5 30
Ethylbenzene	ug/L	ND	40	40	40	46.9	48.4	117	121	70-130	3 30

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1889289 1889290											
Parameter	Units	92322711012 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	MS Conc.	Spike Conc.	MS Result				RPD	RPD
Hexachloro-1,3-butadiene	ug/L	ND	40	40	40.9	41.4	102	104	70-130	1	30
m&p-Xylene	ug/L	ND	80	80	93.9	97.3	117	122	70-130	4	30
Methyl-tert-butyl ether	ug/L	ND	40	40	47.0	51.8	117	130	70-130	10	30
Methylene Chloride	ug/L	ND	40	40	48.5	51.7	121	129	70-130	6	30
Naphthalene	ug/L	ND	40	40	36.4	36.4	91	91	70-130	0	30
o-Xylene	ug/L	ND	40	40	45.7	47.7	114	119	70-130	4	30
p-Isopropyltoluene	ug/L	ND	40	40	41.3	40.2	103	101	70-130	3	30
Styrene	ug/L	ND	40	40	46.0	47.8	115	120	70-130	4	30
Tetrachloroethene	ug/L	ND	40	40	43.7	44.2	109	110	70-130	1	30
Toluene	ug/L	ND	40	40	50.6	49.4	126	123	70-155	2	30
trans-1,2-Dichloroethene	ug/L	ND	40	40	49.4	52.1	124	130	70-130	5	30
trans-1,3-Dichloropropene	ug/L	ND	40	40	44.4	45.8	111	114	70-130	3	30
Trichloroethene	ug/L	ND	40	40	48.0	48.8	120	122	69-151	2	30
Trichlorofluoromethane	ug/L	ND	40	40	56.1	58.2	140	146	70-130	4	30 M1
Vinyl acetate	ug/L	ND	80	80	78.1	84.7	98	106	70-130	8	30
Vinyl chloride	ug/L	ND	40	40	47.6	48.5	119	121	70-130	2	30
1,2-Dichloroethane-d4 (S)	%						92	99	70-130		
4-Bromofluorobenzene (S)	%						98	104	70-130		
Toluene-d8 (S)	%						101	99	70-130		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch: 340826

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92322711017, 92322711026

METHOD BLANK: 1890542

Matrix: Water

Associated Lab Samples: 92322711017, 92322711026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,1-Dichloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,1-Dichloroethene	ug/L	ND	1.0	12/14/16 13:57	
1,1-Dichloropropene	ug/L	ND	1.0	12/14/16 13:57	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/14/16 13:57	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	12/14/16 13:57	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/14/16 13:57	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
1,2-Dichloroethane	ug/L	ND	1.0	12/14/16 13:57	
1,2-Dichloropropane	ug/L	ND	1.0	12/14/16 13:57	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
1,3-Dichloropropane	ug/L	ND	1.0	12/14/16 13:57	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	12/14/16 13:57	
2,2-Dichloropropane	ug/L	ND	1.0	12/14/16 13:57	
2-Butanone (MEK)	ug/L	ND	5.0	12/14/16 13:57	
2-Chlorotoluene	ug/L	ND	1.0	12/14/16 13:57	
2-Hexanone	ug/L	ND	5.0	12/14/16 13:57	
4-Chlorotoluene	ug/L	ND	1.0	12/14/16 13:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/14/16 13:57	
Acetone	ug/L	ND	25.0	12/14/16 13:57	
Benzene	ug/L	ND	1.0	12/14/16 13:57	
Bromobenzene	ug/L	ND	1.0	12/14/16 13:57	
Bromochloromethane	ug/L	ND	1.0	12/14/16 13:57	
Bromodichloromethane	ug/L	ND	1.0	12/14/16 13:57	
Bromoform	ug/L	ND	1.0	12/14/16 13:57	
Bromomethane	ug/L	ND	2.0	12/14/16 13:57	
Carbon tetrachloride	ug/L	ND	1.0	12/14/16 13:57	
Chlorobenzene	ug/L	ND	1.0	12/14/16 13:57	
Chloroethane	ug/L	ND	1.0	12/14/16 13:57	
Chloroform	ug/L	ND	1.0	12/14/16 13:57	
Chloromethane	ug/L	ND	1.0	12/14/16 13:57	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/14/16 13:57	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/14/16 13:57	
Dibromochloromethane	ug/L	ND	1.0	12/14/16 13:57	
Dibromomethane	ug/L	ND	1.0	12/14/16 13:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

METHOD BLANK: 1890542

Matrix: Water

Associated Lab Samples: 92322711017, 92322711026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	12/14/16 13:57	
Diisopropyl ether	ug/L	ND	1.0	12/14/16 13:57	
Ethylbenzene	ug/L	ND	1.0	12/14/16 13:57	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/14/16 13:57	
m&p-Xylene	ug/L	ND	2.0	12/14/16 13:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/14/16 13:57	
Methylene Chloride	ug/L	ND	2.0	12/14/16 13:57	
Naphthalene	ug/L	ND	1.0	12/14/16 13:57	
o-Xylene	ug/L	ND	1.0	12/14/16 13:57	
p-Isopropyltoluene	ug/L	ND	1.0	12/14/16 13:57	
Styrene	ug/L	ND	1.0	12/14/16 13:57	
Tetrachloroethene	ug/L	ND	1.0	12/14/16 13:57	
Toluene	ug/L	ND	1.0	12/14/16 13:57	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/14/16 13:57	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/14/16 13:57	
Trichloroethene	ug/L	ND	1.0	12/14/16 13:57	
Trichlorofluoromethane	ug/L	ND	1.0	12/14/16 13:57	
Vinyl acetate	ug/L	ND	2.0	12/14/16 13:57	
Vinyl chloride	ug/L	ND	1.0	12/14/16 13:57	
Xylene (Total)	ug/L	ND	1.0	12/14/16 13:57	
1,2-Dichloroethane-d4 (S)	%	92	70-130	12/14/16 13:57	
4-Bromofluorobenzene (S)	%	101	70-130	12/14/16 13:57	
Toluene-d8 (S)	%	102	70-130	12/14/16 13:57	

LABORATORY CONTROL SAMPLE: 1890543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.9	96	70-130	
1,1,1-Trichloroethane	ug/L	50	54.3	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.6	99	70-130	
1,1,2-Trichloroethane	ug/L	50	55.3	111	70-130	
1,1-Dichloroethane	ug/L	50	53.7	107	70-130	
1,1-Dichloroethene	ug/L	50	56.2	112	70-132	
1,1-Dichloropropene	ug/L	50	54.1	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	45.8	92	70-135	
1,2,3-Trichloropropane	ug/L	50	47.7	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.9	96	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.6	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	49.9	100	70-130	
1,2-Dichloropropane	ug/L	50	55.8	112	70-130	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,3-Dichloropropane	ug/L	50	52.9	106	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

LABORATORY CONTROL SAMPLE: 1890543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1550	155	71-125	L0
2,2-Dichloropropane	ug/L	50	54.9	110	58-145	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Chlorotoluene	ug/L	50	52.3	105	70-130	
2-Hexanone	ug/L	100	98.0	98	70-144	
4-Chlorotoluene	ug/L	50	51.2	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	70-140	
Acetone	ug/L	100	92.2	92	50-175	
Benzene	ug/L	50	58.4	117	70-130	
Bromobenzene	ug/L	50	50.9	102	70-130	
Bromochloromethane	ug/L	50	54.9	110	70-130	
Bromodichloromethane	ug/L	50	55.7	111	70-130	
Bromoform	ug/L	50	45.0	90	70-130	
Bromomethane	ug/L	50	55.1	110	54-130	
Carbon tetrachloride	ug/L	50	49.1	98	70-132	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	57.5	115	64-134	
Chloroform	ug/L	50	53.2	106	70-130	
Chloromethane	ug/L	50	60.4	121	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.0	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dibromomethane	ug/L	50	52.5	105	70-131	
Dichlorodifluoromethane	ug/L	50	53.2	106	56-130	
Diisopropyl ether	ug/L	50	53.5	107	70-130	
Ethylbenzene	ug/L	50	53.3	107	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.4	101	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	59.6	119	70-130	
Methylene Chloride	ug/L	50	52.1	104	63-130	
Naphthalene	ug/L	50	46.4	93	70-138	
o-Xylene	ug/L	50	50.9	102	70-130	
p-Isopropyltoluene	ug/L	50	48.7	97	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Toluene	ug/L	50	56.0	112	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.4	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	56.5	113	70-132	
Trichloroethene	ug/L	50	53.7	107	70-130	
Trichlorofluoromethane	ug/L	50	56.4	113	62-133	
Vinyl acetate	ug/L	100	99.6	100	66-157	
Vinyl chloride	ug/L	50	51.2	102	50-150	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE: 1890544		92323179003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	23.0	115	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	23.0	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	21.6	108	70-130	
1,1-Dichloroethane	ug/L	ND	20	21.5	108	70-130	
1,1-Dichloroethene	ug/L	ND	20	21.6	108	70-166	
1,1-Dichloropropene	ug/L	ND	20	20.8	104	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.2	96	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	21.7	109	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.7	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.7	108	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	21.7	108	70-130	
1,2-Dichloroethane	ug/L	ND	20	22.5	112	70-130	
1,2-Dichloropropane	ug/L	ND	20	21.9	110	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	21.4	107	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.0	110	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	21.1	105	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	621	155	70-130 MO	
2,2-Dichloropropane	ug/L	ND	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	ND	40	38.9	97	70-130	
2-Chlorotoluene	ug/L	ND	20	22.4	112	70-130	
2-Hexanone	ug/L	ND	40	44.7	112	70-130	
4-Chlorotoluene	ug/L	ND	20	21.7	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	43.7	109	70-130	
Acetone	ug/L	ND	40	52.6	96	70-130	
Benzene	ug/L	ND	20	23.6	114	70-148	
Bromobenzene	ug/L	ND	20	22.1	110	70-130	
Bromochloromethane	ug/L	ND	20	21.7	109	70-130	
Bromodichloromethane	ug/L	ND	20	23.3	116	70-130	
Bromoform	ug/L	ND	20	20.6	103	70-130	
Bromomethane	ug/L	ND	20	18.6	93	70-130	
Carbon tetrachloride	ug/L	ND	20	23.5	117	70-130	
Chlorobenzene	ug/L	ND	20	22.4	112	70-146	
Chloroethane	ug/L	ND	20	24.4	122	70-130	
Chloroform	ug/L	ND	20	21.8	109	70-130	
Chloromethane	ug/L	ND	20	20.5	102	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	22.1	110	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	19.4	97	70-130	
Dibromochloromethane	ug/L	ND	20	20.0	100	70-130	
Dibromomethane	ug/L	ND	20	21.6	108	70-130	
Dichlorodifluoromethane	ug/L	ND	20	21.3	106	70-130	
Diisopropyl ether	ug/L	ND	20	20.3	98	70-130	
Ethylbenzene	ug/L	4.9	20	28.3	117	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	17.1	86	70-130	
m&p-Xylene	ug/L	14.0	40	61.5	119	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	18.8	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

MATRIX SPIKE SAMPLE: 1890544		92323179003	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Methylene Chloride	ug/L	ND	20	17.3	87	70-130	
Naphthalene	ug/L	ND	20	21.8	107	70-130	
o-Xylene	ug/L	1.4	20	23.8	112	70-130	
p-Isopropyltoluene	ug/L	ND	20	21.2	106	70-130	
Styrene	ug/L	ND	20	22.1	110	70-130	
Tetrachloroethene	ug/L	ND	20	21.5	108	70-130	
Toluene	ug/L	ND	20	22.6	112	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	20.9	104	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	20.7	104	70-130	
Trichloroethene	ug/L	ND	20	22.2	111	69-151	
Trichlorofluoromethane	ug/L	ND	20	25.6	128	70-130	
Vinyl acetate	ug/L	ND	40	34.9	87	70-130	
Vinyl chloride	ug/L	ND	20	19.2	96	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1891696

Parameter	Units	92323191005	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
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	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

SAMPLE DUPLICATE: 1891696

Parameter	Units	92323191005 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	91	113	21		
4-Bromofluorobenzene (S)	%	102	93	9		
Toluene-d8 (S)	%	106	101	5		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch:	340426	Analysis Method:	EPA 8260B Mod.
QC Batch Method:	EPA 8260B Mod.	Analysis Description:	8260 MSV SIM
Associated Lab Samples:	92322711001, 92322711002, 92322711003, 92322711004, 92322711005, 92322711006, 92322711007, 92322711008, 92322711009, 92322711010, 92322711011, 92322711014, 92322711015, 92322711016, 92322711017		

METHOD BLANK: 1888170

Matrix: Water

Associated Lab Samples: 92322711001, 92322711002, 92322711003, 92322711004, 92322711005, 92322711006, 92322711007, 92322711008, 92322711009, 92322711010, 92322711011, 92322711014, 92322711015, 92322711016, 92322711017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	12/12/16 13:30	
1,2-Dichloroethane-d4 (S)	%	97	50-150	12/12/16 13:30	
Toluene-d8 (S)	%	88	50-150	12/12/16 13:30	

LABORATORY CONTROL SAMPLE: 1888171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	20.3	101	71-125	
1,2-Dichloroethane-d4 (S)	%			96	50-150	
Toluene-d8 (S)	%			88	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1888172 1888173

Parameter	Units	92322711011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	202	100	100	296	295	94	93	50-150	0	30	
1,2-Dichloroethane-d4 (S)	%						96	101	50-150		150	
Toluene-d8 (S)	%						87	88	50-150		150	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch: 340459 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92322711012, 92322711020, 92322711022, 92322711023, 92322711025, 92322711026

METHOD BLANK: 1888274 Matrix: Water
Associated Lab Samples: 92322711012, 92322711020, 92322711022, 92322711023, 92322711025, 92322711026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	12/12/16 22:15	
1,2-Dichloroethane-d4 (S)	%	85	50-150	12/12/16 22:15	
Toluene-d8 (S)	%	78	50-150	12/12/16 22:15	

LABORATORY CONTROL SAMPLE: 1888275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	21.0	105	71-125	
1,2-Dichloroethane-d4 (S)	%			85	50-150	
Toluene-d8 (S)	%			80	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1888276 1888277

Parameter	Units	92322711012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	206	50	50	271	283	129	153	50-150	4	30	E,M1
1,2-Dichloroethane-d4 (S)	%						89	84	50-150		150	
Toluene-d8 (S)	%						79	77	50-150		150	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

QC Batch: 340600 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92322711013, 92322711018, 92322711019, 92322711021, 92322711024

METHOD BLANK: 1888923 Matrix: Water
Associated Lab Samples: 92322711013, 92322711018, 92322711019, 92322711021, 92322711024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	12/13/16 12:23	
1,2-Dichloroethane-d4 (S)	%	83	50-150	12/13/16 12:23	
Toluene-d8 (S)	%	77	50-150	12/13/16 12:23	

LABORATORY CONTROL SAMPLE & LCSD: 1888924

LABORATORY CONTROL SAMPLE & LCSD: 1888924			1888925							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	19.0	19.1	95	95	71-125	0	30	
1,2-Dichloroethane-d4 (S)	%				82	88	50-150		150	
Toluene-d8 (S)	%				78	79	50-150		150	

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QUALIFIERS

Project: FORMER KOP-FLEX ONSITE
Pace Project No.: 92322711

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.

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

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
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.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92322711001	MW-5R	EPA 8260	340466		
92322711002	MW-42	EPA 8260	340466		
92322711003	MW-18	EPA 8260	340465		
92322711004	MW-40D	EPA 8260	340466		
92322711005	MW-44	EPA 8260	340466		
92322711006	MW-21D	EPA 8260	340465		
92322711007	MW-22D	EPA 8260	340465		
92322711008	MW-20	EPA 8260	340465		
92322711009	MW-04	EPA 8260	340602		
92322711010	MW-09	EPA 8260	340602		
92322711011	MW-16D	EPA 8260	340602		
92322711012	RW-2D-120616	EPA 8260	340638		
92322711013	RW-1D-120616	EPA 8260	340602		
92322711014	EB-120616	EPA 8260	340452		
92322711015	RW-3S-120616	EPA 8260	340638		
92322711016	RW-2S-120616	EPA 8260	340638		
92322711017	RW-1S-120716	EPA 8260	340826		
92322711018	MW-27D-120716	EPA 8260	340466		
92322711019	MW-39-120716	EPA 8260	340465		
92322711020	MW-43-120716	EPA 8260	340602		
92322711021	MW-38R-120716	EPA 8260	340466		
92322711022	MW-16-120816	EPA 8260	340602		
92322711023	MW-200-120816	EPA 8260	340602		
92322711024	MW-03-120816	EPA 8260	340465		
92322711025	TRIP BLANKS	EPA 8260	340465		
92322711026	MW-100-120616	EPA 8260	340826		
92322711001	MW-5R	EPA 8260B Mod.	340426		
92322711002	MW-42	EPA 8260B Mod.	340426		
92322711003	MW-18	EPA 8260B Mod.	340426		
92322711004	MW-40D	EPA 8260B Mod.	340426		
92322711005	MW-44	EPA 8260B Mod.	340426		
92322711006	MW-21D	EPA 8260B Mod.	340426		
92322711007	MW-22D	EPA 8260B Mod.	340426		
92322711008	MW-20	EPA 8260B Mod.	340426		
92322711009	MW-04	EPA 8260B Mod.	340426		
92322711010	MW-09	EPA 8260B Mod.	340426		
92322711011	MW-16D	EPA 8260B Mod.	340426		
92322711012	RW-2D-120616	EPA 8260B Mod.	340459		
92322711013	RW-1D-120616	EPA 8260B Mod.	340600		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER KOP-FLEX ONSITE

Pace Project No.: 92322711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92322711014	EB-120616	EPA 8260B Mod.	340426		
92322711015	RW-3S-120616	EPA 8260B Mod.	340426		
92322711016	RW-2S-120616	EPA 8260B Mod.	340426		
92322711017	RW-1S-120716	EPA 8260B Mod.	340426		
92322711018	MW-27D-120716	EPA 8260B Mod.	340600		
92322711019	MW-39-120716	EPA 8260B Mod.	340600		
92322711020	MW-43-120716	EPA 8260B Mod.	340459		
92322711021	MW-38R-120716	EPA 8260B Mod.	340600		
92322711022	MW-16-120816	EPA 8260B Mod.	340459		
92322711023	MW-200-120816	EPA 8260B Mod.	340459		
92322711024	MW-03-120816	EPA 8260B Mod.	340600		
92322711025	TRIP BLANKS	EPA 8260B Mod.	340459		
92322711026	MW-100-120616	EPA 8260B Mod.	340459		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised: Sept. 21, 2016
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.:	Issuing Authority:
	F-CAR-CS-033-Rev.01	Pace Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name:

Project #:

WO#: 92322711



Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Custody Seal Present? ☐ Yes ☐ No Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: _____

Thermometer: ☐ IR Gun ID: T1603 Type of Ice: ☐ Wet ☐ Blue ☐ None

Date/Initials Person Examining Contents: 12/9/16

Correction Factor: Cooler Temp Corrected (°C): 2.8 Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

			Comments/Discrepancy:
Chain of Custody Present?	☐ Yes ☐ No ☐ N/A	1.	
Samples Arrived within Hold Time?	☐ Yes ☐ No ☐ N/A	2.	
Short Hold Time Analysis (<72 hr.)?	☐ Yes ☐ No ☐ N/A	3.	
Rush Turn Around Time Requested?	☐ Yes ☐ No ☐ N/A	4.	
Sufficient Volume?	☐ Yes ☐ No ☐ N/A	5.	
Correct Containers Used?	☐ Yes ☐ No ☐ N/A	6.	
-Pace Containers Used?	☐ Yes ☐ No ☐ N/A		
Containers Intact?	☐ Yes ☐ No ☐ N/A	7.	
Samples Field Filtered?	☐ Yes ☐ No ☐ N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☐ Yes ☐ No ☐ N/A	9.	<u>PAW 100-001 Present R6 12/9/16</u> <u>Extra Vials PAW 20120606</u>
-Includes Date/Time/ID/Analysis Matrix: <u>NT</u>			
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☐ No ☐ N/A	10.	<u>12/6/16 12:00</u>
Trip Blank Present?	☐ Yes ☐ No ☐ N/A	11.	
Trip Blank Custody Seals Present?	☐ Yes ☐ No ☐ N/A		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____
 Comments/Sample Discrepancy: _____

Project Manager SCURF Review: [Signature]

Date: 12/9/16

Project Manager SRF Review: [Signature]

Date: 12/9/16

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)

	Document Name:	Document Revised: Sept. 21, 2016
	Sample Condition Upon Receipt(SCUR)	Page 2 of 2
	Document No.: F-CAR-CS-033-Rev.01	Issuing Authority: Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project #

WO# : 92322711

PM: KRG

Due Date: 12/16/16

CLIENT: 92-WSP

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

	Document Name:	Document Revised: Sept. 21, 2016
	Sample Condition Upon Receipt(SCUR)	Page 2 of 2
	Document No.:	Issuing Authority:
	F-CAR-CS-033-Rev.01	Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project :

WO# : 92322711

PM: KRG

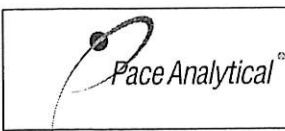
Due Date: 12/16/16

CLIENT: 92-WSP

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
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pH Adjustment Log for Preserved Samples

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Page 2 of 2
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Project #

WO#: 92322711

PM: KRG

Due Date: 12/16/16

CLIENT: 92-WSP

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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

(Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

3

3

Section A

Required Client Information:

Company:	WSP / Parsons Brickerhoff
Address:	13530 Dulles Technology Drive
Suite	300, Herndon, VA 20171
Email:	
Phone:	Fax
Requested Due Date:	

Section B

Required Project Information:

Report To:	Wallace, Robert
Copy To:	
Purchase Order #:	
Project Name:	Former Kop-Flex Onsite
Project #:	

Section C

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	kevin.godwin@pacelabs.com
Pace Profile #:	4362-1

Page : 1 Of 1

Regulatory Agency

State / Location

MD

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		Analyses Test	8260	8260 SIM 1,4-Dioxane	8260 Trip Blank	8260 SIM 1,4 D Trip Blank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
		[Signature]		12/8/16	1830	By Pace TML		12/9/16	1007	2.8	Y Y Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C

Received on Ice (Y/N)

Custody Sealed (Y/N)

Cooler (Y/N)

Samples Intact (Y/N)

	Document Name:	Document Revised: Sept. 21, 2016
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.01	Issuing Authority: Pace Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name:

Project #:

WO#: 92322711

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____



Custody Seal Present? ☐ Yes ☐ No Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: _____

Date/Initials Person Examining Contents: 12/9/16

Thermometer: ☐ IR Gun ID: T1603 Type of Ice: ☐ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Correction Factor: Cooler Temp Corrected (°C): 2.8 Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

☐ Yes ☐ No

			Comments/Discrepancy:
Chain of Custody Present?	☐ Yes ☐ No ☐ N/A	1.	
Samples Arrived within Hold Time?	☐ Yes ☐ No ☐ N/A	2.	
Short Hold Time Analysis (<72 hr.)?	☐ Yes ☐ No ☐ N/A	3.	
Rush Turn Around Time Requested?	☐ Yes ☐ No ☐ N/A	4.	
Sufficient Volume?	☐ Yes ☐ No ☐ N/A	5.	
Correct Containers Used?	☐ Yes ☐ No ☐ N/A	6.	
-Pace Containers Used?	☐ Yes ☐ No ☐ N/A		
Containers Intact?	☐ Yes ☐ No ☐ N/A	7.	
Samples Field Filtered?	☐ Yes ☐ No ☐ N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☐ Yes ☐ No ☐ N/A	9.	Labels not present 12/9/16
-Includes Date/Time/ID/Analysis Matrix: <u>NT</u>			
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☒ No ☐ N/A	10.	12/6/16 12:00
Trip Blank Present?	☐ Yes ☐ No ☐ N/A	11.	
Trip Blank Custody Seals Present?	☐ Yes ☐ No ☐ N/A		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____
 Comments/Sample _____
 Discrepancy: _____

Project Manager SCURF Review: [Signature]

Date: 12/9/16

Project Manager SRF Review: [Signature]

Date: 12/9/16

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)



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Project #

WO#: 92322711

PM: KRG

Due Date: 12/16/16

CLIENT: 92-WSP

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

11-10



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

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Project /

WO#: 92322711

PM: KRG

Due Date: 12/16/16

CLIENT: 92-WSP

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pH Adjustment Log for Preserved Samples

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	Document Name:	Document Revised: Sept. 21, 2016
	Sample Condition Upon Receipt(SCUR)	Page 2 of 2
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Project # **W0# : 92322711**

PM: KRG Due Date: 12/16/16

CLIENT: 92-WSP

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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Contact
(Y/N)

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact
PRINT Name of SAMPLER: Rob Wallace					
SIGNATURE of SAMPLER: [Signature]	DATE Signed: 12/8/16				

Laboratory Task Order

Date: 12/01/16

Laboratory Name: Pace Analytical

WSP Project Name: Former Kop-Flex Onsite

WSP Project Manager Contact Information: Eric Johnson, 703-709-6500, eric.johnson@wspgroup.com

WSP Project & Task Numbers: 31400390/04

Terms & Conditions/Cost Reference:

Master Services Agreement (MSA) between WSP USA Corp., its affiliates and subsidiaries including WSP Services, Inc., WSP USA, LLC, and Parsons Brinckerhoff, Inc. (collectively "WSP") and Laboratory (executed on 7/26/16). Note: this Task Order incorporates all terms and conditions agreed to in the executed MSA. This Task Order assumes that work will be completed using standard rates agreed to in the MSA. If non-standard rates are required, Laboratory must communicate the proposed costs in writing prior to initiating work.

Task Description:

The following work is to be completed under this Task Order: Twenty-eight aqueous samples for VOCs using EPA Method 8260 and 1,4-Dioxane using EPA Method 8260 with SIM, plus MS/MSD, trip blanks, field blanks, and duplicates.

The Laboratory will provide sampling containers and supplies including ☒ two coolers, ☒ sample containers and preservatives (as required by the method), ☒ two trip blanks, ☒ chain-of-custody forms, ☒ one liters deionized water, ☒ temperature blanks, ☒ custody seals, ☒ return labels for the following analysis method(s) and number of samples:

<u>Number of Samples</u>	<u>Media</u>	<u>Analysis Method(s)</u>
28	Aqueous	VOCs (8260), 1,4-Dioxane (8260 w/SIM)
2	Aqueous	MS/MSD
2	Aqueous	Trip Blanks for VOCs (8260), 1,4-Dioxane(8260 w/SIM)
1	Aqueous	Field Blank for VOCs (8260), 1,4-Dioxane (8260 w/SIM)

Special Instructions:

Samples will be collected via HydraSleeve, so MS/MSD will be three 40 mL VOAs each.

The following are project-specific details to be followed:

- ☒ The Laboratory will deliver the containers and supplies to the following address by Monday, December 5th:
Robert Wallace
WSP | Parsons Brinckerhoff
13530 Dulles Technology Drive, Suite 300
Herndon, VA 20171
703-709-6500
- ☒ Acceptable reporting limits must equal Maryland Cleanup Standard for Soil and Groundwater. Compounds that are not detected should be reported to the lowest detectable limit.
- ☒ Sampling will commence on Tuesday, December 6th.
- ☒ A standard turn-around time of ten business days is requested.

- An Electronic Data Deliverable (EDD) in ERIMS format and a final LEVEL II report in Portable Document Format (PDF) are requested. In accordance with the MSA, penalties will be assessed if the complete and correct data deliverables are not in compliance with the MSA and this Task Order.
- The final EDD and PDF reports should be provided via electronic mail addressed to eric.johnson@wspgroup.com and robert.wallace@wspgroup.com.

Note: if the Laboratory discovers that it is unable to meet the sample container arrival deadline for any reason, WSP is to be notified a minimum of 24 hours before the deadline and the Laboratory must provide an alternate deadline, which cannot exceed 24 to 48 hours beyond the original deadline.

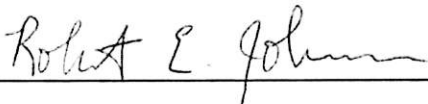
If required, project-specific certificates of insurance and any additional documents noted above must be submitted via e-mail to: WSPPEEUSA-Contracts@WSPGroup.com before commencing work under this Task Order.

Task Invoicing:

Laboratory is to submit invoices to WSP USA Corp., Attention: **Environment Accounts Payable**, and submit them via email to: AccountsPayable@WSPGroup.com or via regular mail to: **WSP, Environmental Accounts Payable**, 13530 Dulles Technology Drive, Suite 300, Herndon, VA 20171. All invoices must reference the WSP project number and laboratory project identification number.

A copy of the final invoice should also be e-mailed to eric.johnson@wspgroup.com.

The work described in this Task Order is authorized by:

WSP Signature: 
 Printed Name: Robert E. Johnson
 Title: Senior Technical Manager
 Date: December 1, 2016

The work described in this Task Order is accepted by:

Laboratory Signature: _____
 Printed Name: _____
 Title: _____
 Date: _____

Please sign and return the original of this Task Order to Rob Wallace at robert.wallace@wspgroup.com.

REV. 06/01/2016

January 12, 2017

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

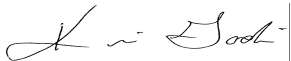
RE: Project: FORMER KOP-FLEX-OFFSITE
Pace Project No.: 92325191

Dear Eric Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

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
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92325191001	MW-23-010217	Water	01/02/17 08:05	01/04/17 11:35
92325191002	MW-41D-010217	Water	01/02/17 12:10	01/04/17 11:35
92325191003	MW-1D-010217	Water	01/02/17 12:50	01/04/17 11:35
92325191004	TRIP BLANK	Water	01/02/17 00:00	01/04/17 11:35

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SAMPLE ANALYTE COUNT

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92325191001	MW-23-010217	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92325191002	MW-41D-010217	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92325191003	MW-1D-010217	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92325191004	TRIP BLANK	EPA 8260	ZDO	64	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-23-010217		Lab ID: 92325191001		Collected: 01/02/17 08:05		Received: 01/04/17 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		01/12/17 00:02	67-64-1		
Benzene	ND	ug/L	2.0	2		01/12/17 00:02	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		01/12/17 00:02	108-86-1		
Bromochloromethane	ND	ug/L	2.0	2		01/12/17 00:02	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		01/12/17 00:02	75-27-4		
Bromoform	ND	ug/L	2.0	2		01/12/17 00:02	75-25-2		
Bromomethane	ND	ug/L	4.0	2		01/12/17 00:02	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		01/12/17 00:02	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		01/12/17 00:02	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	108-90-7		
Chloroethane	ND	ug/L	2.0	2		01/12/17 00:02	75-00-3		
Chloroform	ND	ug/L	2.0	2		01/12/17 00:02	67-66-3		
Chloromethane	ND	ug/L	2.0	2		01/12/17 00:02	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		01/12/17 00:02	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		01/12/17 00:02	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		01/12/17 00:02	96-12-8		
Dibromochloromethane	ND	ug/L	2.0	2		01/12/17 00:02	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		01/12/17 00:02	106-93-4		
Dibromomethane	ND	ug/L	2.0	2		01/12/17 00:02	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.0	2		01/12/17 00:02	75-71-8		
1,1-Dichloroethane	26.4	ug/L	2.0	2		01/12/17 00:02	75-34-3		
1,2-Dichloroethane	ND	ug/L	2.0	2		01/12/17 00:02	107-06-2		
1,1-Dichloroethene	140	ug/L	2.0	2		01/12/17 00:02	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		01/12/17 00:02	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		01/12/17 00:02	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		01/12/17 00:02	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		01/12/17 00:02	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.0	2		01/12/17 00:02	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.0	2		01/12/17 00:02	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		01/12/17 00:02	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		01/12/17 00:02	10061-02-6		
Diisopropyl ether	ND	ug/L	2.0	2		01/12/17 00:02	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2		01/12/17 00:02	123-91-1	L3	
Ethylbenzene	ND	ug/L	2.0	2		01/12/17 00:02	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		01/12/17 00:02	87-68-3		
2-Hexanone	ND	ug/L	10.0	2		01/12/17 00:02	591-78-6		
p-Isopropyltoluene	ND	ug/L	2.0	2		01/12/17 00:02	99-87-6		
Methylene Chloride	8.3	ug/L	4.0	2		01/12/17 00:02	75-09-2	C9	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		01/12/17 00:02	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	2.0	2		01/12/17 00:02	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		01/12/17 00:02	91-20-3		
Styrene	ND	ug/L	2.0	2		01/12/17 00:02	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		01/12/17 00:02	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		01/12/17 00:02	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-23-010217		Lab ID: 92325191001		Collected: 01/02/17 08:05		Received: 01/04/17 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		01/12/17 00:02	127-18-4		
Toluene	ND	ug/L	2.0	2		01/12/17 00:02	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		01/12/17 00:02	120-82-1		
1,1,1-Trichloroethane	17.0	ug/L	2.0	2		01/12/17 00:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	2.0	2		01/12/17 00:02	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		01/12/17 00:02	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		01/12/17 00:02	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.0	2		01/12/17 00:02	96-18-4		
Vinyl acetate	ND	ug/L	4.0	2		01/12/17 00:02	108-05-4		
Vinyl chloride	ND	ug/L	2.0	2		01/12/17 00:02	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		01/12/17 00:02	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		01/12/17 00:02	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		01/12/17 00:02	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130	2		01/12/17 00:02	460-00-4		
1,2-Dichloroethane-d4 (S)	95	%	70-130	2		01/12/17 00:02	17060-07-0		
Toluene-d8 (S)	105	%	70-130	2		01/12/17 00:02	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	151	ug/L	10.0	5		01/05/17 13:07	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	50-150	1		01/05/17 12:48	17060-07-0		
Toluene-d8 (S)	106	%	50-150	1		01/05/17 12:48	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-41D-010217		Lab ID: 92325191002		Collected: 01/02/17 12:10		Received: 01/04/17 11:35		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		01/05/17 17:14	67-64-1		
Benzene	ND	ug/L	1.0	1		01/05/17 17:14	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		01/05/17 17:14	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		01/05/17 17:14	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		01/05/17 17:14	75-27-4		
Bromoform	ND	ug/L	1.0	1		01/05/17 17:14	75-25-2		
Bromomethane	ND	ug/L	2.0	1		01/05/17 17:14	74-83-9		
2-Butanone (MEK)	ND	ug/L	5.0	1		01/05/17 17:14	78-93-3		
Carbon tetrachloride	ND	ug/L	1.0	1		01/05/17 17:14	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	108-90-7		
Chloroethane	ND	ug/L	1.0	1		01/05/17 17:14	75-00-3		
Chloroform	ND	ug/L	1.0	1		01/05/17 17:14	67-66-3		
Chloromethane	ND	ug/L	1.0	1		01/05/17 17:14	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		01/05/17 17:14	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		01/05/17 17:14	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		01/05/17 17:14	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		01/05/17 17:14	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/05/17 17:14	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		01/05/17 17:14	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/05/17 17:14	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		01/05/17 17:14	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		01/05/17 17:14	107-06-2		
1,1-Dichloroethene	ND	ug/L	1.0	1		01/05/17 17:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/05/17 17:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/05/17 17:14	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		01/05/17 17:14	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		01/05/17 17:14	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		01/05/17 17:14	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		01/05/17 17:14	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/05/17 17:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/05/17 17:14	10061-02-6		
Diisopropyl ether	ND	ug/L	1.0	1		01/05/17 17:14	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		01/05/17 17:14	123-91-1	L3	
Ethylbenzene	ND	ug/L	1.0	1		01/05/17 17:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/05/17 17:14	87-68-3		
2-Hexanone	ND	ug/L	5.0	1		01/05/17 17:14	591-78-6		
p-Isopropyltoluene	ND	ug/L	1.0	1		01/05/17 17:14	99-87-6		
Methylene Chloride	ND	ug/L	2.0	1		01/05/17 17:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/05/17 17:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/05/17 17:14	1634-04-4		
Naphthalene	ND	ug/L	1.0	1		01/05/17 17:14	91-20-3		
Styrene	ND	ug/L	1.0	1		01/05/17 17:14	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/05/17 17:14	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/05/17 17:14	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-41D-010217		Lab ID: 92325191002		Collected: 01/02/17 12:10		Received: 01/04/17 11:35		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		01/05/17 17:14	127-18-4		
Toluene	ND	ug/L	1.0	1		01/05/17 17:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/05/17 17:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/05/17 17:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/05/17 17:14	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		01/05/17 17:14	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		01/05/17 17:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/05/17 17:14	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		01/05/17 17:14	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		01/05/17 17:14	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		01/05/17 17:14	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		01/05/17 17:14	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		01/05/17 17:14	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130	1		01/05/17 17:14	460-00-4		
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		01/05/17 17:14	17060-07-0		
Toluene-d8 (S)	90	%	70-130	1		01/05/17 17:14	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	2.8	ug/L	2.0	1		01/05/17 13:25	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	50-150	1		01/05/17 13:25	17060-07-0		
Toluene-d8 (S)	106	%	50-150	1		01/05/17 13:25	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-1D-010217		Lab ID: 92325191003		Collected: 01/02/17 12:50		Received: 01/04/17 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		01/05/17 16:40	67-64-1		
Benzene	ND	ug/L	2.0	2		01/05/17 16:40	71-43-2		
Bromobenzene	ND	ug/L	2.0	2		01/05/17 16:40	108-86-1		
Bromochloromethane	ND	ug/L	2.0	2		01/05/17 16:40	74-97-5		
Bromodichloromethane	ND	ug/L	2.0	2		01/05/17 16:40	75-27-4		
Bromoform	ND	ug/L	2.0	2		01/05/17 16:40	75-25-2		
Bromomethane	ND	ug/L	4.0	2		01/05/17 16:40	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	2		01/05/17 16:40	78-93-3		
Carbon tetrachloride	ND	ug/L	2.0	2		01/05/17 16:40	56-23-5		
Chlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	108-90-7		
Chloroethane	ND	ug/L	2.0	2		01/05/17 16:40	75-00-3		
Chloroform	ND	ug/L	2.0	2		01/05/17 16:40	67-66-3		
Chloromethane	ND	ug/L	2.0	2		01/05/17 16:40	74-87-3		
2-Chlorotoluene	ND	ug/L	2.0	2		01/05/17 16:40	95-49-8		
4-Chlorotoluene	ND	ug/L	2.0	2		01/05/17 16:40	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	2		01/05/17 16:40	96-12-8		
Dibromochloromethane	ND	ug/L	2.0	2		01/05/17 16:40	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		01/05/17 16:40	106-93-4		
Dibromomethane	ND	ug/L	2.0	2		01/05/17 16:40	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.0	2		01/05/17 16:40	75-71-8		
1,1-Dichloroethane	72.0	ug/L	2.0	2		01/05/17 16:40	75-34-3		
1,2-Dichloroethane	4.7	ug/L	2.0	2		01/05/17 16:40	107-06-2		
1,1-Dichloroethene	375	ug/L	2.0	2		01/05/17 16:40	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		01/05/17 16:40	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		01/05/17 16:40	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.0	2		01/05/17 16:40	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.0	2		01/05/17 16:40	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.0	2		01/05/17 16:40	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.0	2		01/05/17 16:40	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.0	2		01/05/17 16:40	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.0	2		01/05/17 16:40	10061-02-6		
Diisopropyl ether	ND	ug/L	2.0	2		01/05/17 16:40	108-20-3		
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	2		01/05/17 16:40	123-91-1	L3	
Ethylbenzene	ND	ug/L	2.0	2		01/05/17 16:40	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		01/05/17 16:40	87-68-3		
2-Hexanone	ND	ug/L	10.0	2		01/05/17 16:40	591-78-6		
p-Isopropyltoluene	ND	ug/L	2.0	2		01/05/17 16:40	99-87-6		
Methylene Chloride	ND	ug/L	4.0	2		01/05/17 16:40	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		01/05/17 16:40	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	2.0	2		01/05/17 16:40	1634-04-4		
Naphthalene	ND	ug/L	2.0	2		01/05/17 16:40	91-20-3		
Styrene	ND	ug/L	2.0	2		01/05/17 16:40	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		01/05/17 16:40	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		01/05/17 16:40	79-34-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: MW-1D-010217		Lab ID: 92325191003		Collected: 01/02/17 12:50		Received: 01/04/17 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2.0	2		01/05/17 16:40	127-18-4		
Toluene	ND	ug/L	2.0	2		01/05/17 16:40	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		01/05/17 16:40	120-82-1		
1,1,1-Trichloroethane	37.5	ug/L	2.0	2		01/05/17 16:40	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	2.0	2		01/05/17 16:40	79-00-5		
Trichloroethene	ND	ug/L	2.0	2		01/05/17 16:40	79-01-6		
Trichlorofluoromethane	ND	ug/L	2.0	2		01/05/17 16:40	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.0	2		01/05/17 16:40	96-18-4		
Vinyl acetate	ND	ug/L	4.0	2		01/05/17 16:40	108-05-4		
Vinyl chloride	ND	ug/L	2.0	2		01/05/17 16:40	75-01-4		
Xylene (Total)	ND	ug/L	2.0	2		01/05/17 16:40	1330-20-7		
m&p-Xylene	ND	ug/L	4.0	2		01/05/17 16:40	179601-23-1		
o-Xylene	ND	ug/L	2.0	2		01/05/17 16:40	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130	2		01/05/17 16:40	460-00-4		
1,2-Dichloroethane-d4 (S)	113	%	70-130	2		01/05/17 16:40	17060-07-0		
Toluene-d8 (S)	106	%	70-130	2		01/05/17 16:40	2037-26-5		
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	236	ug/L	5.0	2.5		01/05/17 14:22	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	50-150	1		01/05/17 14:03	17060-07-0		
Toluene-d8 (S)	107	%	50-150	1		01/05/17 14:03	2037-26-5		

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: TRIP BLANK		Lab ID: 92325191004	Collected: 01/02/17 00:00	Received: 01/04/17 11:35	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		01/05/17 14:55	67-64-1	
Benzene	ND	ug/L	1.0	1		01/05/17 14:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/05/17 14:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/05/17 14:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/05/17 14:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/05/17 14:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		01/05/17 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/05/17 14:55	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		01/05/17 14:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/05/17 14:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/05/17 14:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/05/17 14:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/05/17 14:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/05/17 14:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		01/05/17 14:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/05/17 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/05/17 14:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/05/17 14:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/05/17 14:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/05/17 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/05/17 14:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/05/17 14:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/05/17 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/05/17 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/05/17 14:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/05/17 14:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/05/17 14:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/05/17 14:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/05/17 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/05/17 14:55	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		01/05/17 14:55	108-20-3	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		01/05/17 14:55	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	1		01/05/17 14:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/05/17 14:55	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		01/05/17 14:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/05/17 14:55	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		01/05/17 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/05/17 14:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/05/17 14:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		01/05/17 14:55	91-20-3	
Styrene	ND	ug/L	1.0	1		01/05/17 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/05/17 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/05/17 14:55	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Sample: TRIP BLANK		Lab ID: 92325191004		Collected: 01/02/17 00:00		Received: 01/04/17 11:35		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		01/05/17 14:55	127-18-4		
Toluene	ND	ug/L	1.0	1		01/05/17 14:55	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/05/17 14:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/05/17 14:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/05/17 14:55	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		01/05/17 14:55	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		01/05/17 14:55	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/05/17 14:55	96-18-4		
Vinyl acetate	ND	ug/L	2.0	1		01/05/17 14:55	108-05-4		
Vinyl chloride	ND	ug/L	1.0	1		01/05/17 14:55	75-01-4		
Xylene (Total)	ND	ug/L	1.0	1		01/05/17 14:55	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	1		01/05/17 14:55	179601-23-1		
o-Xylene	ND	ug/L	1.0	1		01/05/17 14:55	95-47-6		
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130	1		01/05/17 14:55	460-00-4		
1,2-Dichloroethane-d4 (S)	115	%	70-130	1		01/05/17 14:55	17060-07-0		
Toluene-d8 (S)	134	%	70-130	1		01/05/17 14:55	2037-26-5	S3	
8260 MSV SIM		Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1		01/05/17 12:30	123-91-1		
Surrogates									
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		01/05/17 12:30	17060-07-0		
Toluene-d8 (S)	106	%	50-150	1		01/05/17 12:30	2037-26-5		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

QC Batch:	343500	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples: 92325191002, 92325191003, 92325191004			

METHOD BLANK: 1905315 Matrix: Water

Associated Lab Samples: 92325191002, 92325191003, 92325191004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,1-Dichloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,1-Dichloroethene	ug/L	ND	1.0	01/05/17 13:46	
1,1-Dichloropropene	ug/L	ND	1.0	01/05/17 13:46	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/05/17 13:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	01/05/17 13:46	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/05/17 13:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
1,2-Dichloroethane	ug/L	ND	1.0	01/05/17 13:46	
1,2-Dichloropropane	ug/L	ND	1.0	01/05/17 13:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
1,3-Dichloropropane	ug/L	ND	1.0	01/05/17 13:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	01/05/17 13:46	
2,2-Dichloropropane	ug/L	ND	1.0	01/05/17 13:46	
2-Butanone (MEK)	ug/L	ND	5.0	01/05/17 13:46	
2-Chlorotoluene	ug/L	ND	1.0	01/05/17 13:46	
2-Hexanone	ug/L	ND	5.0	01/05/17 13:46	
4-Chlorotoluene	ug/L	ND	1.0	01/05/17 13:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/05/17 13:46	
Acetone	ug/L	ND	25.0	01/05/17 13:46	
Benzene	ug/L	ND	1.0	01/05/17 13:46	
Bromobenzene	ug/L	ND	1.0	01/05/17 13:46	
Bromochloromethane	ug/L	ND	1.0	01/05/17 13:46	
Bromodichloromethane	ug/L	ND	1.0	01/05/17 13:46	
Bromoform	ug/L	ND	1.0	01/05/17 13:46	
Bromomethane	ug/L	ND	2.0	01/05/17 13:46	
Carbon tetrachloride	ug/L	ND	1.0	01/05/17 13:46	
Chlorobenzene	ug/L	ND	1.0	01/05/17 13:46	
Chloroethane	ug/L	ND	1.0	01/05/17 13:46	
Chloroform	ug/L	ND	1.0	01/05/17 13:46	
Chloromethane	ug/L	ND	1.0	01/05/17 13:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/05/17 13:46	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/05/17 13:46	
Dibromochloromethane	ug/L	ND	1.0	01/05/17 13:46	
Dibromomethane	ug/L	ND	1.0	01/05/17 13:46	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

METHOD BLANK: 1905315

Matrix: Water

Associated Lab Samples: 92325191002, 92325191003, 92325191004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	01/05/17 13:46	
Diisopropyl ether	ug/L	ND	1.0	01/05/17 13:46	
Ethylbenzene	ug/L	ND	1.0	01/05/17 13:46	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/05/17 13:46	
m&p-Xylene	ug/L	ND	2.0	01/05/17 13:46	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/05/17 13:46	
Methylene Chloride	ug/L	ND	2.0	01/05/17 13:46	
Naphthalene	ug/L	ND	1.0	01/05/17 13:46	
o-Xylene	ug/L	ND	1.0	01/05/17 13:46	
p-Isopropyltoluene	ug/L	ND	1.0	01/05/17 13:46	
Styrene	ug/L	ND	1.0	01/05/17 13:46	
Tetrachloroethene	ug/L	ND	1.0	01/05/17 13:46	
Toluene	ug/L	ND	1.0	01/05/17 13:46	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/05/17 13:46	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/05/17 13:46	
Trichloroethene	ug/L	ND	1.0	01/05/17 13:46	
Trichlorofluoromethane	ug/L	ND	1.0	01/05/17 13:46	
Vinyl acetate	ug/L	ND	2.0	01/05/17 13:46	
Vinyl chloride	ug/L	ND	1.0	01/05/17 13:46	
Xylene (Total)	ug/L	ND	1.0	01/05/17 13:46	
1,2-Dichloroethane-d4 (S)	%	115	70-130	01/05/17 13:46	
4-Bromofluorobenzene (S)	%	100	70-130	01/05/17 13:46	
Toluene-d8 (S)	%	107	70-130	01/05/17 13:46	

LABORATORY CONTROL SAMPLE: 1905316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.9	114	70-130	
1,1,1-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.4	109	70-130	
1,1,2-Trichloroethane	ug/L	50	53.0	106	70-130	
1,1-Dichloroethane	ug/L	50	56.2	112	70-130	
1,1-Dichloroethene	ug/L	50	55.0	110	70-132	
1,1-Dichloropropene	ug/L	50	54.4	109	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.9	106	70-135	
1,2,3-Trichloropropane	ug/L	50	53.8	108	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.2	100	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	58.8	118	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	112	70-130	
1,2-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,2-Dichloroethane	ug/L	50	53.8	108	70-130	
1,2-Dichloropropane	ug/L	50	52.1	104	70-130	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,3-Dichloropropane	ug/L	50	58.8	118	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

LABORATORY CONTROL SAMPLE: 1905316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1600	160	71-125	L0
2,2-Dichloropropane	ug/L	50	55.6	111	58-145	
2-Butanone (MEK)	ug/L	100	119	119	70-145	
2-Chlorotoluene	ug/L	50	53.4	107	70-130	
2-Hexanone	ug/L	100	124	124	70-144	
4-Chlorotoluene	ug/L	50	53.1	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-140	
Acetone	ug/L	100	136	136	50-175	
Benzene	ug/L	50	52.9	106	70-130	
Bromobenzene	ug/L	50	53.3	107	70-130	
Bromochloromethane	ug/L	50	48.3	97	70-130	
Bromodichloromethane	ug/L	50	55.9	112	70-130	
Bromoform	ug/L	50	49.2	98	70-130	
Bromomethane	ug/L	50	52.5	105	54-130	
Carbon tetrachloride	ug/L	50	52.0	104	70-132	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	55.6	111	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	53.6	107	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.8	100	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.7	113	70-130	
Dibromochloromethane	ug/L	50	52.1	104	70-130	
Dibromomethane	ug/L	50	47.5	95	70-131	
Dichlorodifluoromethane	ug/L	50	49.8	100	56-130	
Diisopropyl ether	ug/L	50	65.1	130	70-130	
Ethylbenzene	ug/L	50	52.4	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	63.6	127	70-130	
Methylene Chloride	ug/L	50	61.1	122	63-130	
Naphthalene	ug/L	50	55.4	111	70-138	
o-Xylene	ug/L	50	53.7	107	70-130	
p-Isopropyltoluene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	53.7	107	70-130	
Tetrachloroethene	ug/L	50	48.3	97	70-130	
Toluene	ug/L	50	49.2	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	59.2	118	70-130	
trans-1,3-Dichloropropene	ug/L	50	59.4	119	70-132	
Trichloroethene	ug/L	50	48.5	97	70-130	
Trichlorofluoromethane	ug/L	50	58.7	117	62-133	
Vinyl acetate	ug/L	100	106	106	66-157	
Vinyl chloride	ug/L	50	42.5	85	50-150	
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichloroethane-d4 (S)	%			116	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

MATRIX SPIKE SAMPLE:		1905317	92325182003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.7	109	70-130		
1,1,1-Trichloroethane	ug/L	ND	20	23.2	116	70-130		
1,1,2,2-Tetrachloroethane	ug/L	ND	20	24.7	124	70-130		
1,1,2-Trichloroethane	ug/L	ND	20	25.6	128	70-130		
1,1-Dichloroethane	ug/L	ND	20	22.8	114	70-130		
1,1-Dichloroethene	ug/L	ND	20	26.7	133	70-166		
1,1-Dichloropropene	ug/L	ND	20	24.7	123	70-130		
1,2,3-Trichlorobenzene	ug/L	ND	20	18.5	93	70-130		
1,2,3-Trichloropropane	ug/L	ND	20	24.8	124	70-130		
1,2,4-Trichlorobenzene	ug/L	ND	20	20.1	101	70-130		
1,2-Dibromo-3-chloropropane	ug/L	ND	20	21.4	107	70-130		
1,2-Dibromoethane (EDB)	ug/L	ND	20	22.1	111	70-130		
1,2-Dichlorobenzene	ug/L	ND	20	22.0	110	70-130		
1,2-Dichloroethane	ug/L	ND	20	23.2	115	70-130		
1,2-Dichloropropane	ug/L	ND	20	22.9	114	70-130		
1,3-Dichlorobenzene	ug/L	ND	20	22.8	114	70-130		
1,3-Dichloropropane	ug/L	ND	20	23.8	119	70-130		
1,4-Dichlorobenzene	ug/L	ND	20	22.1	111	70-130		
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	450	112	70-130		
2,2-Dichloropropane	ug/L	ND	20	23.3	116	70-130		
2-Butanone (MEK)	ug/L	ND	40	48.7	122	70-130		
2-Chlorotoluene	ug/L	ND	20	23.7	118	70-130		
2-Hexanone	ug/L	ND	40	47.4	119	70-130		
4-Chlorotoluene	ug/L	ND	20	23.6	118	70-130		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	51.6	129	70-130		
Acetone	ug/L	ND	40	56.8	138	70-130	M1	
Benzene	ug/L	ND	20	24.2	121	70-148		
Bromobenzene	ug/L	ND	20	23.2	116	70-130		
Bromochloromethane	ug/L	ND	20	22.0	110	70-130		
Bromodichloromethane	ug/L	ND	20	24.7	123	70-130		
Bromoform	ug/L	ND	20	21.1	106	70-130		
Bromomethane	ug/L	ND	20	19.1	95	70-130		
Carbon tetrachloride	ug/L	ND	20	23.7	119	70-130		
Chlorobenzene	ug/L	ND	20	22.6	113	70-146		
Chloroethane	ug/L	ND	20	28.5	142	70-130	M1	
Chloroform	ug/L	ND	20	22.4	112	70-130		
Chloromethane	ug/L	ND	20	28.2	139	70-130	M1	
cis-1,2-Dichloroethene	ug/L	ND	20	22.9	111	70-130		
cis-1,3-Dichloropropene	ug/L	ND	20	23.1	116	70-130		
Dibromochloromethane	ug/L	ND	20	21.3	106	70-130		
Dibromomethane	ug/L	ND	20	21.2	106	70-130		
Dichlorodifluoromethane	ug/L	ND	20	24.3	122	70-130		
Diisopropyl ether	ug/L	ND	20	24.8	124	70-130		
Ethylbenzene	ug/L	ND	20	23.0	115	70-130		
Hexachloro-1,3-butadiene	ug/L	ND	20	21.8	109	70-130		
m&p-Xylene	ug/L	ND	40	49.6	124	70-130		
Methyl-tert-butyl ether	ug/L	ND	20	25.4	127	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

MATRIX SPIKE SAMPLE: 1905317		92325182003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Methylene Chloride	ug/L	ND	20	26.0	130	70-130	
Naphthalene	ug/L	ND	20	19.3	96	70-130	
o-Xylene	ug/L	ND	20	25.7	128	70-130	
p-Isopropyltoluene	ug/L	ND	20	22.0	110	70-130	
Styrene	ug/L	ND	20	26.2	131	70-130	M1
Tetrachloroethene	ug/L	ND	20	22.0	110	70-130	
Toluene	ug/L	ND	20	22.7	114	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	28.0	140	70-130	M1
trans-1,3-Dichloropropene	ug/L	ND	20	25.1	125	70-130	
Trichloroethene	ug/L	1.2	20	23.0	109	69-151	
Trichlorofluoromethane	ug/L	ND	20	29.3	146	70-130	M1
Vinyl acetate	ug/L	ND	40	40.6	102	70-130	
Vinyl chloride	ug/L	ND	20	22.8	114	70-130	
1,2-Dichloroethane-d4 (S)	%				114	70-130	
4-Bromofluorobenzene (S)	%				114	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1905318

Parameter	Units	92325328004	Dup	RPD	Max	
		Result	Result		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	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

SAMPLE DUPLICATE: 1905318

Parameter	Units	92325328004 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	.31J		30	
cis-1,2-Dichloroethene	ug/L	ND	.74J		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	.93J		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	1.0	1.3	22	30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	115	116	1		
4-Bromofluorobenzene (S)	%	96	99	2		
Toluene-d8 (S)	%	111	116	4		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE
Pace Project No.: 92325191

QC Batch:	343975	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92325191001		

METHOD BLANK:	1908104	Matrix:	Water
Associated Lab Samples:	92325191001		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,1-Dichloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,1-Dichloroethene	ug/L	ND	1.0	01/11/17 19:06	
1,1-Dichloropropene	ug/L	ND	1.0	01/11/17 19:06	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/11/17 19:06	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	01/11/17 19:06	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/11/17 19:06	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
1,2-Dichloroethane	ug/L	ND	1.0	01/11/17 19:06	
1,2-Dichloropropane	ug/L	ND	1.0	01/11/17 19:06	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
1,3-Dichloropropane	ug/L	ND	1.0	01/11/17 19:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	01/11/17 19:06	
2,2-Dichloropropane	ug/L	ND	1.0	01/11/17 19:06	
2-Butanone (MEK)	ug/L	ND	5.0	01/11/17 19:06	
2-Chlorotoluene	ug/L	ND	1.0	01/11/17 19:06	
2-Hexanone	ug/L	ND	5.0	01/11/17 19:06	
4-Chlorotoluene	ug/L	ND	1.0	01/11/17 19:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/11/17 19:06	
Acetone	ug/L	ND	25.0	01/11/17 19:06	
Benzene	ug/L	ND	1.0	01/11/17 19:06	
Bromobenzene	ug/L	ND	1.0	01/11/17 19:06	
Bromochloromethane	ug/L	ND	1.0	01/11/17 19:06	
Bromodichloromethane	ug/L	ND	1.0	01/11/17 19:06	
Bromoform	ug/L	ND	1.0	01/11/17 19:06	
Bromomethane	ug/L	ND	2.0	01/11/17 19:06	
Carbon tetrachloride	ug/L	ND	1.0	01/11/17 19:06	
Chlorobenzene	ug/L	ND	1.0	01/11/17 19:06	
Chloroethane	ug/L	ND	1.0	01/11/17 19:06	
Chloroform	ug/L	ND	1.0	01/11/17 19:06	
Chloromethane	ug/L	ND	1.0	01/11/17 19:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/11/17 19:06	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/11/17 19:06	
Dibromochloromethane	ug/L	ND	1.0	01/11/17 19:06	
Dibromomethane	ug/L	ND	1.0	01/11/17 19:06	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE
Pace Project No.: 92325191

METHOD BLANK: 1908104

Matrix: Water

Associated Lab Samples: 92325191001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	01/11/17 19:06	
Diisopropyl ether	ug/L	ND	1.0	01/11/17 19:06	
Ethylbenzene	ug/L	ND	1.0	01/11/17 19:06	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/11/17 19:06	
m&p-Xylene	ug/L	ND	2.0	01/11/17 19:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/11/17 19:06	
Methylene Chloride	ug/L	ND	2.0	01/11/17 19:06	
Naphthalene	ug/L	ND	1.0	01/11/17 19:06	
o-Xylene	ug/L	ND	1.0	01/11/17 19:06	
p-Isopropyltoluene	ug/L	ND	1.0	01/11/17 19:06	
Styrene	ug/L	ND	1.0	01/11/17 19:06	
Tetrachloroethene	ug/L	ND	1.0	01/11/17 19:06	
Toluene	ug/L	ND	1.0	01/11/17 19:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/11/17 19:06	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/11/17 19:06	
Trichloroethene	ug/L	ND	1.0	01/11/17 19:06	
Trichlorofluoromethane	ug/L	ND	1.0	01/11/17 19:06	
Vinyl acetate	ug/L	ND	2.0	01/11/17 19:06	
Vinyl chloride	ug/L	ND	1.0	01/11/17 19:06	
Xylene (Total)	ug/L	ND	1.0	01/11/17 19:06	
1,2-Dichloroethane-d4 (S)	%	95	70-130	01/11/17 19:06	
4-Bromofluorobenzene (S)	%	102	70-130	01/11/17 19:06	
Toluene-d8 (S)	%	104	70-130	01/11/17 19:06	

LABORATORY CONTROL SAMPLE: 1908105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.3	105	70-130	
1,1,1-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	46.4	93	70-130	
1,1-Dichloroethene	ug/L	50	50.4	101	70-132	
1,1-Dichloropropene	ug/L	50	51.9	104	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.9	100	70-135	
1,2,3-Trichloropropane	ug/L	50	50.7	101	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.5	97	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	48.3	97	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	70-130	
1,2-Dichloropropane	ug/L	50	47.5	95	70-130	
1,3-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,3-Dichloropropane	ug/L	50	52.5	105	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

LABORATORY CONTROL SAMPLE: 1908105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1300	130	71-125	L0
2,2-Dichloropropane	ug/L	50	45.7	91	58-145	
2-Butanone (MEK)	ug/L	100	101	101	70-145	
2-Chlorotoluene	ug/L	50	47.8	96	70-130	
2-Hexanone	ug/L	100	96.5	96	70-144	
4-Chlorotoluene	ug/L	50	48.7	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.6	94	70-140	
Acetone	ug/L	100	91.6	92	50-175	
Benzene	ug/L	50	49.3	99	70-130	
Bromobenzene	ug/L	50	49.4	99	70-130	
Bromochloromethane	ug/L	50	47.6	95	70-130	
Bromodichloromethane	ug/L	50	48.6	97	70-130	
Bromoform	ug/L	50	49.8	100	70-130	
Bromomethane	ug/L	50	52.0	104	54-130	
Carbon tetrachloride	ug/L	50	49.9	100	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	46.3	93	64-134	
Chloroform	ug/L	50	45.8	92	70-130	
Chloromethane	ug/L	50	48.7	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.0	92	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	70-130	
Dibromochloromethane	ug/L	50	52.9	106	70-130	
Dibromomethane	ug/L	50	48.1	96	70-131	
Dichlorodifluoromethane	ug/L	50	47.2	94	56-130	
Diisopropyl ether	ug/L	50	50.5	101	70-130	
Ethylbenzene	ug/L	50	50.2	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.7	103	70-130	
m&p-Xylene	ug/L	100	99.5	99	70-130	
Methyl-tert-butyl ether	ug/L	50	51.2	102	70-130	
Methylene Chloride	ug/L	50	51.2	102	63-130	
Naphthalene	ug/L	50	49.5	99	70-138	
o-Xylene	ug/L	50	49.4	99	70-130	
p-Isopropyltoluene	ug/L	50	46.9	94	70-130	
Styrene	ug/L	50	50.8	102	70-130	
Tetrachloroethene	ug/L	50	47.4	95	70-130	
Toluene	ug/L	50	47.5	95	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	70-132	
Trichloroethene	ug/L	50	49.8	100	70-130	
Trichlorofluoromethane	ug/L	50	51.1	102	62-133	
Vinyl acetate	ug/L	100	94.2	94	66-157	
Vinyl chloride	ug/L	50	42.0	84	50-150	
Xylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1908106 1908107											
Parameter	Units	92325610002		MS	MSD	MS		MSD	% Rec		Max
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	19.8	20.5	99	103	70-130	4
1,1,1-Trichloroethane	ug/L	ND	20	20	20	22.3	22.9	112	114	70-130	2
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	18.9	18.9	94	94	70-130	0
1,1,2-Trichloroethane	ug/L	ND	20	20	20	20.0	20.4	100	102	70-130	2
1,1-Dichloroethane	ug/L	ND	20	20	20	21.7	21.4	108	107	70-130	2
1,1-Dichloroethene	ug/L	ND	20	20	20	24.3	24.3	122	122	70-166	0
1,1-Dichloropropene	ug/L	ND	20	20	20	24.0	24.0	120	120	70-130	0
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	19.4	19.7	97	98	70-130	1
1,2,3-Trichloropropane	ug/L	ND	20	20	20	19.3	20.1	96	100	70-130	4
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	19.8	19.6	99	98	70-130	1
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	18.4	18.2	92	91	70-130	1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	19.8	19.4	99	97	70-130	2
1,2-Dichlorobenzene	ug/L	ND	20	20	20	20.5	20.3	103	102	70-130	1
1,2-Dichloroethane	ug/L	ND	20	20	20	19.9	20.0	100	100	70-130	0
1,2-Dichloropropane	ug/L	ND	20	20	20	20.9	21.4	105	107	70-130	3
1,3-Dichlorobenzene	ug/L	ND	20	20	20	20.5	20.4	102	102	70-130	1
1,3-Dichloropropane	ug/L	ND	20	20	20	20.0	20.1	100	101	70-130	1
1,4-Dichlorobenzene	ug/L	ND	20	20	20	20.5	20.1	102	101	70-130	2
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	400	400	238	433	60	108	70-130	58
2,2-Dichloropropane	ug/L	ND	20	20	20	21.0	20.4	105	102	70-130	3
2-Butanone (MEK)	ug/L	ND	40	40	40	39.5	40.2	99	101	70-130	2
2-Chlorotoluene	ug/L	ND	20	20	20	20.6	21.0	103	105	70-130	2
2-Hexanone	ug/L	ND	40	40	40	37.0	38.6	92	97	70-130	4
4-Chlorotoluene	ug/L	ND	20	20	20	20.6	21.1	103	105	70-130	2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	40	38.4	38.0	96	95	70-130	1
Acetone	ug/L	ND	40	40	40	38.9	39.2	97	98	70-130	1
Benzene	ug/L	ND	20	20	20	23.0	22.7	115	114	70-148	1
Bromobenzene	ug/L	ND	20	20	20	20.9	20.5	105	103	70-130	2
Bromochloromethane	ug/L	ND	20	20	20	19.6	20.3	98	102	70-130	4
Bromodichloromethane	ug/L	ND	20	20	20	20.8	21.2	104	106	70-130	2
Bromoform	ug/L	ND	20	20	20	17.4	17.5	87	87	70-130	1
Bromomethane	ug/L	ND	20	20	20	21.6	22.5	108	113	70-130	4
Carbon tetrachloride	ug/L	ND	20	20	20	24.5	23.7	122	119	70-130	3
Chlorobenzene	ug/L	ND	20	20	20	21.7	22.0	109	110	70-146	1
Chloroethane	ug/L	ND	20	20	20	22.6	21.8	113	109	70-130	3
Chloroform	ug/L	ND	20	20	20	20.7	20.7	104	104	70-130	0
Chloromethane	ug/L	ND	20	20	20	23.0	22.7	115	113	70-130	1
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	20.7	21.2	104	106	70-130	2
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	20.6	20.9	103	105	70-130	2
Dibromochloromethane	ug/L	ND	20	20	20	19.0	20.0	95	100	70-130	5
Dibromomethane	ug/L	ND	20	20	20	20.5	20.7	103	104	70-130	1
Dichlorodifluoromethane	ug/L	ND	20	20	20	21.7	21.4	108	107	70-130	1
Diisopropyl ether	ug/L	ND	20	20	20	19.7	20.3	99	101	70-130	3
Ethylbenzene	ug/L	ND	20	20	20	22.0	22.1	110	110	70-130	0

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1908106 1908107											
Parameter	Units	92325610002		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
Hexachloro-1,3-butadiene	ug/L	ND	20	20	22.1	22.9	111	114	70-130	3	30
m&p-Xylene	ug/L	ND	40	40	43.8	44.6	110	112	70-130	2	30
Methyl-tert-butyl ether	ug/L	ND	20	20	20.0	20.2	100	101	70-130	1	30
Methylene Chloride	ug/L	1.4J	20	20	23.0	22.7	108	107	70-130	1	30
Naphthalene	ug/L	ND	20	20	19.1	19.3	95	97	70-130	1	30
o-Xylene	ug/L	ND	20	20	21.1	21.6	106	108	70-130	2	30
p-Isopropyltoluene	ug/L	ND	20	20	20.7	20.7	104	104	70-130	0	30
Styrene	ug/L	ND	20	20	21.1	21.4	105	107	70-130	1	30
Tetrachloroethene	ug/L	ND	20	20	20.1	20.3	100	102	70-130	1	30
Toluene	ug/L	ND	20	20	22.0	22.1	110	111	70-155	1	30
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.2	23.2	116	116	70-130	0	30
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.3	20.8	102	104	70-130	2	30
Trichloroethene	ug/L	0.70J	20	20	23.5	23.4	114	113	69-151	0	30
Trichlorofluoromethane	ug/L	ND	20	20	25.0	25.1	125	125	70-130	0	30
Vinyl acetate	ug/L	ND	40	40	28.4	28.7	71	72	70-130	1	30
Vinyl chloride	ug/L	ND	20	20	20.2	20.1	101	101	70-130	0	30
1,2-Dichloroethane-d4 (S)	%						100	101	70-130		
4-Bromofluorobenzene (S)	%						101	103	70-130		
Toluene-d8 (S)	%						100	100	70-130		

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QUALITY CONTROL DATA

Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

QC Batch: 343356 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92325191001, 92325191002, 92325191003, 92325191004

METHOD BLANK: 1904454 Matrix: Water
Associated Lab Samples: 92325191001, 92325191002, 92325191003, 92325191004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	01/05/17 10:56	
1,2-Dichloroethane-d4 (S)	%	101	50-150	01/05/17 10:56	
Toluene-d8 (S)	%	104	50-150	01/05/17 10:56	

LABORATORY CONTROL SAMPLE & LCSD: 1904455

LABORATORY CONTROL SAMPLE & LCSD: 1904455			1904456							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	17.6	20.1	88	101	71-125	13	30	
1,2-Dichloroethane-d4 (S)	%				105	97	50-150		150	
Toluene-d8 (S)	%				106	105	50-150		150	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER KOP-FLEX-OFFSITE
Pace Project No.: 92325191

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.

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

C9 Common Laboratory Contaminant.

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.

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.

R1 RPD value was outside control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

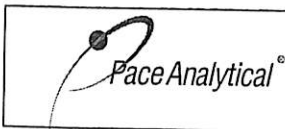
Project: FORMER KOP-FLEX-OFFSITE

Pace Project No.: 92325191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92325191001	MW-23-010217	EPA 8260	343975		
92325191002	MW-41D-010217	EPA 8260	343500		
92325191003	MW-1D-010217	EPA 8260	343500		
92325191004	TRIP BLANK	EPA 8260	343500		
92325191001	MW-23-010217	EPA 8260B Mod.	343356		
92325191002	MW-41D-010217	EPA 8260B Mod.	343356		
92325191003	MW-1D-010217	EPA 8260B Mod.	343356		
92325191004	TRIP BLANK	EPA 8260B Mod.	343356		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt(SCUR)

Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 1 of 2

Issuing Authority:
Pace Quality Office

Laboratory receiving samples:

Asheville ☐

Eden ☐

Greenwood ☐

Huntersville ☒

Raleigh ☐

Mechanicsville ☐

Sample Condition Upon
Receipt

Client Name:

WSP

Project #

WO#: 92325191



Courier:

☐ Commercial

☒ Fed Ex
☐ Pace

☐ UPS

☐ USPS

☐ Other: _____

☐ Client

Custody Seal Present?

☐ Yes

☒ No

Seals Intact?

☐ Yes

☒ No

Packing Material:

☐ Bubble Wrap

☒ Bubble Bags

☐ None

☐ Other: _____

Thermometer:

☒ IR Gun ID: T1603

Type of Ice:

☒ Wet

☐ Blue

☐ None

☒ Samples on ice, cooling process has begun

Correction Factor:

Cooler Temp Corrected (°C):

3.4

Biological Tissue Frozen?

☐ Yes

☒ No

☐ N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

			Comments/Discrepancy:
Chain of Custody Present?	☒ Yes ☐ No ☐ N/A	1.	
Samples Arrived within Hold Time?	☒ Yes ☐ No ☐ N/A	2.	
Short Hold Time Analysis (<72 hr.)?	☒ Yes ☐ No ☐ N/A	3.	
Rush Turn Around Time Requested?	☐ Yes ☒ No ☐ N/A	4.	
Sufficient Volume?	☒ Yes ☐ No ☐ N/A	5.	
Correct Containers Used?	☒ Yes ☐ No ☐ N/A	6.	
-Pace Containers Used?	☒ Yes ☐ No ☐ N/A		
Containers Intact?	☒ Yes ☐ No ☐ N/A	7.	
Samples Field Filtered?	☐ Yes ☐ No ☒ N/A	8.	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☒ Yes ☐ No ☐ N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: W+			
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☒ No ☐ N/A	10.	
Trip Blank Present?	☒ Yes ☐ No ☐ N/A	11.	
Trip Blank Custody Seals Present?	☒ Yes ☐ No ☐ N/A		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Sample

Discrepancy: _____

Project Manager SCURF Review: _____

Date: 1/5/17

Project Manager SRF Review: _____

Date: 1/5/17

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)



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.01

Document Revised: Sept. 21, 2016
Page 2 of 2
Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

**Bottom half of box is to list number of bottles

Proj

W0#: 92325191

PM: KRG

Due Date: 01/11/17

CLIENT: 92-WSP

128

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP3S-250 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP3Z-250 mL Plastic ZN Acetate & NaOH (>9)	BP3C-250 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN	
1																6													
2																6													
3																5													
4																4													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Date (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Rob Wallace					
SIGNATURE of SAMPLER: 	DATE Signed: 1/3/17				