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February 13, 2017

File # 55929.003

Ms. Mae Willkom, Hydrogeologist
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources, WCR
1300 West Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54702-4001

Re: **Semiannual Operations & Maintenance Report**
May – December 2016
WRR Environmental Services

WDNR BRRTS No. 02-18-000274

WDNR FID No. 618 026 530

EPA ID No. WID 990 829 475

Dear Ms. Willkom:

This Operations & Maintenance (O&M) report summarizes the groundwater monitoring and remedial activities that occurred at the WRR Environmental Services Co. Inc. facility in Eau Claire during the period May through December 2016. Figure 1 is a site location map.

See Gannett Fleming's April 2013 *Corrective Action Plan (CAP)* for a detailed summary of remedial and monitoring activities through March 2013, our June 2014 *Evaluation of Corrective Measures and Plan of Activities* report for an evaluation and summary of remedial and monitoring activities through March 2014, and our July 7, 2016, *Semiannual Groundwater O&M Report* for a summary of remedial and monitoring activities through April 2016.

Submittal of this report is required by WRR's RCRA license.

Executive Summary

The following summarizes the monitoring and remediation work completed during this reporting period:

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Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-2-

- Volatile organic compounds (VOCs) are currently removed from the groundwater by the operation of recovery wells RW-2, RW-4, RW-6 through RW-11, and WRR's production well. Collectively, seven or more of the wells comprising the "groundwater remediation system" operated continuously during this reporting period, with the exception of 7 days in late December 2016 through early January 2017.

In total, approximately 9.76 million gallons of water containing 1,752 lbs of VOCs were pumped from the recovery wells and production well during this reporting period. Of that total, the largest mass of VOCs was removed by RW-10 (1,446 lbs) and the WRR production well (130.7 lbs), followed by RW-11 (80 lbs), RW-6 (80 lbs), and RW-7 (6.6 lbs). Additionally, about 8.8 lbs of VOCs were removed by the combined pumping of wells RW-2, RW-4, RW-8, and RW-9 during this reporting period.

- Dual-phase extraction (DPE) wells RW-10 and RW-11 were connected to the soil vapor extraction (SVE) blower in September 13 and July 6, 2016, respectively. Approximately 3,600 lbs of VOCs were removed from RW-10 and RW-11 by SVE.
- With the exception below, all pumped groundwater, except from RW-11 and the production well, was directed to the TurboStripper to remove VOCs before being discharged to the aerated reservoir. The treated water from the aerated reservoir is then discharged to an adsorption pond southwest of the facility.

Discharge samples from the aerated reservoir (outfall 002) were collected on a bi-monthly basis, and the concentrations of all compounds were below limits in WRR's WPDES permit. The results of discharge samples are submitted to the Wisconsin Department of Natural Resources (WDNR) per WRR's WPDES permit.

- Groundwater samples were collected from the on-site wells and the wells located in the Lowes Creek Park in May and October 2016. All groundwater samples were analyzed for VOCs. With a few exceptions, VOC concentrations measured in the groundwater samples collected from on- and off-site wells in May and October 2016 exhibited a stable or decreasing trend when compared to previous VOC concentrations.
- A supplemental investigation was conducted in September 2016 that consisted of collecting soil and groundwater samples from 15 borings and installing two, 2-inch-diameter groundwater monitoring wells (W-32 and W-33) and one, 1-inch-diameter soil gas and water level monitoring point (MP-1). Wells W-32 and W-33 were sampled in October 2016, along with the other wells as part of the semi-annual sampling round, and will be included in future sampling rounds.

Elevated concentrations of chlorinated VOCs were detected in the soil and groundwater samples collected in the northern portion of the facility. Additional investigation will likely

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-3-

be conducted within the next few months to provide better definition to the extent of VOCs in the soil and groundwater before implementing additional remedial activities. With the exception of a discussion of the September 2016 groundwater sample results as they pertain to the extent of VOCs in the groundwater, this report will not include a detailed discussion of the results of the supplemental investigation in September. That information will be discussed in a comprehensive report after the next phase of investigation has been completed.

This report provides a summary of the results of the May and October 2016 groundwater sampling activities and the operation of the recovery wells and groundwater treatment system through December 2016.

Groundwater Remediation Background

Prior to November 2014, groundwater remediation consisted of planting approximately 2,700 trees to remove VOCs from shallow groundwater south and west of the WRR facility, the installation and operation of three AI/SVE systems, and the installation and operation of eleven groundwater recovery wells (RW-1 through RW-11). Figure 2 is an aerial map and shows the WRR property boundary and Lowes Creek County Park west of the WRR facility where the trees were planted as part of the phytoremediation of the groundwater. Figure 3 shows the locations of recovery wells RW-1 through RW-11 and on- and off-site monitoring wells. Figure 4 is a site plan and shows the locations of the northern, middle and southern AI/SVE systems. See Gannett Fleming's April 2013 CAP for a summary of the phytoremediation and AI/SVE systems and Gannett Fleming's July 7, 2016, *Semi-Annual Groundwater Operations and Maintenance* Report for a summary of remedial activities through April 2016.

A summary of the groundwater recovery wells and treatment system is provided below.

Pumping from recovery well RW-1 was never done because of low yield and low VOC concentrations in the groundwater in the area where it was located. Recovery well RW-3 operated intermittently from 1997 through 2003 when it was turned off due to a low yield. In 2014 a deeper recovery well (RW-10) was installed next to RW-3 to replace it and remove the high concentrations of volatile organic compounds (VOCs) that were measured in the groundwater in that area in 2013-2014.

RW-5 operated from 1985 through 2007, when its aboveground piping was damaged in a fire. An air injection and soil vapor extraction (AI/SVE) system was installed next to RW-5 in 2006 to remove the light non-aqueous phase liquid (LNAPL) floating on the groundwater, using RW-5

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-4-

as the SVE well. The AI/SVE system that used RW-5 operated intermittently from August 2006 until February 2013 and has been off since then. With the exception of vinyl chloride, the concentrations of VOCs in groundwater samples collected from RW-5 since May 2011 have all been below the NR 140 enforcement standards (ES). Concentrations of vinyl chloride in RW-5 have slowly increased from below the method detection limit (less than 0.15 parts per billion or ppb) to 29.3 ppb measured in October 2016. Because the AI/SVE system had successfully reduced VOCs concentration in that area, RW-5 has remained off and will not be restarted unless VOC concentrations in the groundwater in that area significantly increase.

Pumping of groundwater began in November 1985, with recovery well RW-5 being the first well brought on line and other wells being brought on line later. In the fall of 1997, recovery wells RW-8 and RW-9 were installed. Pumping from wells RW-2 through RW-5, RW-8, and RW-9 began again in late 1997. Available records are incomplete, but recovery wells RW-2 through RW-9 appear to have pumped continuously, with some minor downtime, from January 1998 through December 2003. No pumping data are available for the time period between January 2004 and December 2006. There was some minor pumping of groundwater between January and June 2007 when a fire shut down the operation of the recovery wells. No groundwater pumping occurred between June 2007 and July 2012.

Based on available records, approximately 42.5 million gallons of groundwater containing 89,000 lbs of VOCs were pumped from the nine recovery wells through June 2007. See Gannett Fleming's April 2013 CAP for a more detailed description of the previous groundwater remedial activities and the mass of VOCs removed by wells RW-2 through RW-9.

Pumping of impacted groundwater resumed on July 20, 2012, with RW-7 being the first well brought back on line. After being off since the facility fire in 2007, recovery well RW-6 was restarted on October 28, 2013, RW-8 and RW-9 were restarted on May 23, 2014, and RW-2 and RW-4 were restarted on July 23, 2015. Recovery wells RW-10 and RW-11 were installed in December 2014 and were started on July 24 and May 15, 2015, respectively.

Between July 20, 2012, and January 21, 2013, the water pumped from RW-7 was treated with an air stripper and then discharged to a sump where it mixed with storm water, non-contact cooling water, and boiler blowdown water before being directed to the 360,000-gallon aerated reservoir. WRR requested and received WDNR approval to direct the water pumped from the recovery wells directly into the 360,000-gallon aerated reservoir without first passing through the air stripper. The air stripper was turned off on January 21, 2013, but then restarted on October 21, 2014, due to increasing VOC concentrations in the water pumped from RW-7 and the other recovery wells that were turned on during that time period. Since October 2014, water pumped

Gannett Fleming

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-5-

from all recovery wells, except RW-11, is treated by the Turbostripper before being discharged to the aeration reservoir. The water pumped from RW-11 and the production well is used as process water for the facility before being discharged directly to the aeration reservoir. Water in the reservoir is discharged to the adsorption pond located just south of the WRR facility.

The WDNR reissued WPDES permit No. WI-00587 18-04-0 to WRR on November 27, 2012, authorizing discharge from the aerated reservoir for the time period January 1, 2013, through December 31, 2017. Discharge samples from the aerated reservoir (outfall 002) are collected on a bi-monthly basis, and the concentrations of all compounds have all been below limits in the WPDES permit. The results of discharge samples are submitted to the WDNR per WRR's WPDES permit.

Activities Completed During Recent Reporting Period

The following activities have been completed between May 1 and December 31, 2016. See Gannett Fleming's July 7, 2016, *Semi-Annual Groundwater Operations and Maintenance Report* for a summary of the sampling and remedial activities from August 2015 through April 2016.

Private Well Sampling

Water samples were collected from private wells PW-11 and PW-16 in May 2016. No VOCs were detected in either sample. Letters with copies of the laboratory reports for the May 2016 samples were sent to the property owners and WDNR in June 2016. Figure 5 shows the locations of the private wells that have been sampled as part of the groundwater monitoring program at WRR.

Groundwater Remediation System Operation (May 2016 through December 2016)

Recovery wells RW-1, RW-3, and RW-5, which have not operated since 2007, were not pumped during this reporting period. With the exceptions noted below, recovery wells RW-2, RW-4, and RW-6 through RW-11 and the production well operated continuously with minor downtime for repairs or maintenance. The production well and all recovery wells were also turned off from December 23 through 26, 2016, and again from December 30 through January 2, 2017.

Below is a summary of the pumping activities for each of the recovery wells and the production well during this reporting period.

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-6-

Recovery Wells RW-2, RW-4, RW-8 and RW-9

Recovery wells RW-2, RW-4, RW-8, and RW-9 operated continuously during this reporting period except for minor downtime for repairs and maintenance. These four wells share a common flow meter with RW-10. RW-10 also has a separate flowmeter at its well head, and the volume of water pumped by RW-10 is subtracted from the combined flowmeter reading to determine the volume of water pumped by RW-2, RW-4, RW-8, and RW-9.

From May 1 through December 31, RW-2, RW-4, RW-8, and RW-9 collectively pumped 1.2 million gallons of water at an average flow rate that ranged from 0.5 to 1.6 gallons per minute (gpm). During this reporting period, samples were collected from RW-2, RW-4, RW-8, and RW-9 on May 26, 2016, and October 5, 2016. The samples from RW-2 and RW-4 were collected from separate sample ports in the Powerhouse. The samples from RW-8 and RW-9 were collected from separate ports in the Turbostripper building.

Table 1 presents the summary of VOCs detected in groundwater samples collected from RW-2, RW-4, RW-8, and RW-9 between June 2013 and October 2016. Table 2 presents the approximate volume of water and mass of VOCs removed by RW-2, RW-4, RW-8, and RW-9 through December 2016. The mass of VOCs removed by these wells during this reporting period was approximately 8.8 lbs.

Recovery Well RW-6

When operating, recovery well RW-6 pumped at flow rates of 1.0 to 2.4 gpm during this reporting period. Through December 31, 2016, RW-6 has pumped approximately 17.6 million gallons of water and removed approximately 32,017 lbs of VOCs. Of that total, approximately 510,260 gallons of water containing 80 lbs of VOCs were removed during this reporting period. Table 3 presents the summary of VOCs detected in groundwater samples collected from RW-6 since it was restarted in October 2013 through December 2016. Table 4 presents the approximate volume of water and mass of VOCs removed by RW-6 since it was originally started in May 1989.

Recovery Well RW-7

Recovery well RW-7 operated continuously at a flow rate of 3.0 to 4.3 gpm during this reporting period. Through December 31, 2016, RW-7 has pumped approximately 32.8 million gallons of water and removed approximately 20,798 lbs of VOCs. Of that total, approximately 1,178,230 gallons of water containing 6.6 lbs of VOCs were removed during this reporting period. Table 5 presents the summary of VOCs measured in groundwater samples collected from RW-7 since it

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-7-

was restarted in July 2012 through December 2016. Table 6 presents the approximate volume of water and mass of VOCs removed by RW-7 since it was originally started in October 1990.

Recovery Well RW-10

RW-10 operated continuously at a flow rate of 2.5 to 4.2 gpm during this reporting period. Since it began pumping in July 2015, about 1.67 million gallons of water have been pumped from RW-10, containing approximately 2,034 lbs of VOCs. Table 7 presents the summary of VOCs measured in the groundwater samples collected from RW-10 between December 2014, when it was installed, and December 2, 2016, when the last sample was collected during this reporting period. Table 8 presents the approximate volume of water and mass of VOCs removed by RW-10 since it was started on July 24, 2015, through December 31, 2016. During this reporting period, RW-10 pumped approximately 1,154,216 gallons containing about 1,446 lbs of VOCs.

Recovery Well RW-11

Recovery well RW-11 operated continuously at a flow rate of 0.8 to 1.6 gpm during this reporting period. Through December 31, 2016, RW-11 pumped about 781,096 gallons of water containing approximately 138 lbs of VOCs. Of that total, approximately 416,070 gallons of water containing 80 lbs of VOCs were removed during this reporting period. Table 9 presents the summary of VOCs measured in groundwater samples collected from RW-11 from December 2014 and December 2016. Table 10 presents the approximate volume of water and mass of VOCs removed by RW-11 since it was started on May 15, 2015.

Production Well

The production well for WRR was pumped as needed every day at an average flow rate of 11 to 18.5 gpm based on the daily flow totals during this reporting period. However, because the production well is pumped on an as-needed basis, with significant periods when it is off, the flow rate when it is pumping is likely significantly higher than 18.5 gpm.

Between March 2012, when WRR began recording the volume of water pumped from the production well, and December 2016, approximately 36.7 million gallons of water containing approximately 1,247 lbs of VOCs were pumped. Of that total, approximately 5.3 million gallons of water containing 130.7 lbs of VOCs were pumped during this reporting period. Table 11 presents a summary of VOCs detected in water samples collected from the production well from May 2011 through December 2016. Table 12 presents the approximate volume of water and mass of VOCs removed by the production well since March 2012. (Author's Note: The analytical

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-8-

results of samples collected from the production well in May 2011 were included in Table 12 because they were the last samples collected before the meter was installed in March 2012. The total VOC concentrations measured in the May 2011 and May 2012 were averaged and then multiplied by the volume of water pumped between March 2012 and May 2012 to determine the mass of VOCs removed by the well during that time period.)

Copies of the laboratory reports for water samples collected from RW-2, RW-4, RW-6 through RW-11, and WRR's production well during this reporting period are included with this report as Appendix A. Additional samples collected from the recovery wells during the semi-annual sampling events in May and October 2016 are included with this report as Appendix B.

Air Injection and Soil Vapor Extraction Systems

The three AI/SVE systems, which were turned off with the approval of the WDNR on March 4, 2013, were not operational during this reporting period.

The SVE blower was connected to DPE wells RW-11 and RW-10 on July 6 and September 13, 2016, respectively. SVE exhaust samples were collected on August 3rd, September 15th, October 17th, and December 20th during this reporting period. Table 13 lists the VOCs that were detected in one or more of the SVE exhaust samples during this reporting period. Based on the concentrations of VOCs measured in the exhaust samples, the SVE system removed approximately 3,600 lbs of VOCs between July 22 and December 20, 2016. Table 14 presents the estimated air emissions of PCE and total VOCs from the SVE system connect to RW-10 and RW-11. Copies of the laboratory reports for the SVE exhaust samples collected during this reporting period are included with this report as Appendix C.

Appendix D contains the relevant pages of the WDNR's "Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems" Form 4400-194.

Groundwater Sampling (May through October 2016)

On May 25, 2016 and October 3, 2016, WRR and Gannett Fleming measured groundwater elevations in and collected groundwater samples from on- and off-site wells. The May and October 2016 groundwater samples were collected as part of the semi-annual sampling rounds from wells listed on the groundwater sampling program in Table 15. The groundwater samples were submitted to Pace Analytical Services, Inc. of Green Bay, Wisconsin, and analyzed for VOCs using method 8260. Appendix B contains the laboratory reports, chain of custody

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-9-

records, and summaries of the VOCs that exceeded the NR 140 preventative action limits (PALs) and/or enforcement standards (ESs) for the May and October 2016 sampling events.

Semi-Annual Groundwater Monitoring Results

Table 16 presents the groundwater elevations measured in May and October 2016. Figures 5 through 7 of Gannett Fleming's June 2014 *Evaluation of Corrective Measures and Plan of Activities* show the groundwater contours in the shallow, mid-depth, and deep/bedrock aquifers based on elevations measured in June 2013. Based on the groundwater elevations measured in June 2013 and October 2016, the groundwater flow direction is to the west toward Lowes Creek, as shown on the figures referenced above. However, as shown on Figure 5 of the June 2014 report, there is a pronounced mounding effect caused by the discharge of treated water from the aerated reservoir to the absorption pond located off the southwest corner of the WRR facility. That mounding effect, combined with the pumping of groundwater from the on-site production well, creates a relatively steep downward vertical gradient.

In October 2016, the downward vertical gradient was measured between 0.01 and 0.38 in on-site well nests W-1/A/D, W-2/B/A, W-3/B/A, W-7/A, and W-31A/B. Not surprisingly, the steepest downward gradient on site was measured in the W-1/A/D well nest located between the aeration reservoir and the adsorption pond where water from the reservoir is discharged. Relatively steep downward vertical gradients ranging from 0.28 to 0.53 were also measured in off-site well nests W-17/-17A/-17B and W-18/-18A. The downward vertical gradient measured in the W-17 and W-18 well nests are likely partially influenced by the pumping of groundwater from recovery wells RW-6 and RW-7. The vertical gradient measured in off-site well nest MW-111/A/B near Lowes Creek was upward and ranged from 0.04 to 0.06. The upward vertical gradients measured in well nest MW-111 are consistent with previously measured vertical gradients near Lowes Creek and indicate that groundwater is discharging to it. Table 17 presents the vertical gradients measured within each of the on- and off-site well nests based on elevations measured during the October 2016 sampling event.

Supplemental Investigation (September 2016)

From September 19th to 23rd, GF conducted a supplemental investigation that consisted of collecting soil and/or groundwater samples from 15 borings (GP-71 through GP-85) and installing and sampling two water table monitoring wells (W-32 and W-33) and a 1-inch diameter soil gas and water level monitoring point well (MP-1). Figure 4 shows the locations of the borings and wells installed and sampled in September 2016. No soil samples were collected from GP-75 and GP-85 for laboratory analyses. Multiple groundwater samples were collected from borings GP-

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-10-

75 and GP-85 in the southwestern corner of the property to identify areas where high concentrations of VOCs in the mid-depth aquifer may be migrating off the property. Tables 18 and 19 present the analytical results of the soil and groundwater samples, respectively, that were collected from GP-71 through GP-74 and GP-76 through GP-84. Tables 20 and 21 present the analytical results of groundwater samples collected from GP-75 and GP-85, respectively. Copies of the laboratory reports for the soil and groundwater samples collected from GP-71 through GP-85 are included with this report as Appendix E.

As discussed below, WRR plans to conduct an additional phase of investigation later this spring to further define the extent of VOCs in the soil and groundwater that may require remediation. A comprehensive investigation report will be prepared following the next phase of investigation that discusses the extent of VOCs in the soil and groundwater, and the results of the September 2016 investigation will be discussed in more detail in that report.

Extent of Contamination

Tables prepared by WRR containing the analytical results of the May and October 2016 groundwater samples collected from monitoring wells, and previous results dating back to May 9, 2009, are included with this report as Appendix F. As can be seen in the tables in Appendix F, there are three suites of compounds that have been detected in the groundwater at concentrations above their respective NR 140 enforcement standards (ES) – alcohols and ketones, chlorinated VOCs (CVOCs), and petroleum-related compounds (PRCs). With minor exceptions, the extent of these compounds measured in May and October 2016 in the groundwater at concentrations above their NR 140 ESs were similar to the extent measured during the previous year.

With minor exceptions, the concentrations of the compounds that have been measured in on-site wells at concentrations above their NR 140 ESs have been stable or decreasing due to the remedial activities that have been conducted over the past four years. Though not as pronounced, the concentrations of VOCs measured in off-site wells were also, generally speaking, stable or decreasing. Of the few off-site wells that exhibited an increasing trend in the VOCs during this reporting period, most are located within or downgradient of the capture zone of off-site recovery wells RW-6 and RW-7; therefore, the concentrations of VOCs in those off-site wells are expected to decrease as a result of the continued operation of the on- and off-site groundwater recovery wells. The only notable increases in VOC concentrations measured through October 2016 are discussed below:

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-11-

- Concentrations of toluene have increased significantly in mid-depth well W-19R over the last two years, while other VOCs have either decreased or remained stable. Toluene concentrations measured in W-19R increased from 4,290 ppb in June 2015 to 17,300 ppb in October 2016. W-19R is within the capture zone of RW-6, which also contained elevated concentrations of toluene (up to 15,000 ppb) during this reporting period.
- Concentrations of trichloroethylene (TCE) in W-26 have increased over the last three years from 9.8 ppb in October 2013 to 18.9 ppb in October 2016. W-26 is a mid-depth well and unlikely to be affected by the current operation of RW-6 or RW-7. WRR is planning on installing two mid-depth recovery wells onsite, which should reduce, if not eliminate, off-site migration of VOCs in the mid-depth aquifer.

As mentioned above, VOC concentrations in the on-site and off-site groundwater have been generally stable or decreasing since groundwater recovery activities resumed in July 2012. Below is a list of wells that did not contain any VOCs at concentrations above their NR 140 ESs in the most recent sample collected. Listed next to each well is the most recent date that a VOC was detected in that well at a concentration above its NR 140 ES and the compound(s) and concentration(s) that were measured on that date.

- W-2A – May 2010 – PCE (8.1 ppb)
- W-5 – May 2014 – Methylene chloride (29.6 ppb) and vinyl chloride (0.50 ppb)
- W-18 – June 2015 – Vinyl chloride (0.28 ppb)
- W-29 – May 2009 – 1,2-Dichloroethane (7.7 ppb)
- W-31B – May 2016 – PCE (9.1 ppb)
- MW-114 – October 2010 – Vinyl chloride (0.29 ppb)

Additionally, the concentrations of VOCs measured in TW-1 in October 2016 were less than twenty percent of their concentrations measured in October 2013. TW-1 is located next to the former location of the underground storage tank (UST) that likely was the primary source of PRCs detected in the on- and off-site groundwater. Recovery well RW-11 is approximately 6 feet from TW-1 and has been operating since May 15, 2015. Through December 2016, pumping from RW-11 has removed about 781,096 gallons of water containing 138 lbs of VOCs.

Appendix F presents a table listing the concentrations of VOCs measured in November 2015 and previous samples collected from the on- and off-site monitoring wells dating back to May 2009.

Figure 6 lists the CVOCs measured at concentrations greater than their NR 140 ESs in the shallow groundwater samples collected on site from September 2013 through October 2016. Figures 7

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-12-

through 9 show the estimated off-site extent of CVOCs in the shallow, mid-depth, and deep/bedrock aquifers, respectively. As shown on Figures 6 and 7, the relatively high concentrations of CVOCs measured in the shallow aquifer on site do not extend very far off site (less than 125 feet). However, CVOCs in the groundwater at concentrations above their NR 140 ESs in the mid-depth and deep aquifers extend to Lowes Creek, as shown on Figures 8 and 9. Note that the relatively large area of CVOCs at concentrations above the NR 140 ESs shown on Figures 8 and 9 is largely due to the relatively low NR 140 ES for vinyl chloride (0.2 ppb). Removing vinyl chloride significantly reduces the size of the area with CVOCs at concentrations above NR 140 ESs, though elevated concentrations of several other CVOCs have historically been measured in off-site mid-depth well, MW-115, and deep wells, W-17A and MW-115A.

Figures 10 through 12 show the estimated extent of alcohols and ketones at concentrations above their NR 140 ESs in the shallow and mid-depth aquifers based on sample results measured in groundwater samples collected from Geoprobe borings from September 2013 through September 2014 and groundwater samples collected from monitoring wells from May 2014 through October 2016. As shown on Figures 10 through 12, the relatively high concentrations of IPA and ketones measured in the shallow aquifer do not extend over 200 feet off site, and the operation of recovery well RW-6 is capturing most, if not all, of the IPA and ketones in the mid-depth aquifer.

However, elevated concentrations of acetone (up to 520,000 ppb), methyl ethyl ketone (up to 91,400 ppb), IPA (up to 140,000 ppb), methyl isobutyl ketone (up to 44,900 ppb), and toluene (up to 56,500 ppb) were measured in groundwater samples collected from the mid-depth aquifer boring GP-85 in September 2016. As discussed below, WRR plans to install a mid-depth recovery well near the location of GP-85 to prevent groundwater with high VOC concentrations from migrating off site. See Table 21 for VOC concentrations detected in the groundwater samples collected from GP-85.

No ketones or alcohol were measured at concentrations above their NR 140 ESs in groundwater samples collected from wells screened in the deep/bedrock aquifer in October 2016, so a map showing their extent in the deep/bedrock aquifer was not prepared for this report.

Figures 13, 14, and 15 show the estimated extent of PRCs at concentrations above the NR 140 ESs in the shallow, mid-depth, and deep aquifers, respectively, based on concentrations measured in groundwater samples collected from Geoprobe borings from September 2013 through September 2016 and groundwater samples collected from monitoring wells in May and October 2016. Similar to the other suites of VOCs, the elevated concentrations of PRCs measured in wells screened in the shallow aquifer on site do not extend very far off site, likely because they are captured by the collective pumping of recovery wells RW-6 through RW-9, RW-11, and the production well. In

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-13-

addition, the mounding effect that the discharge of treated water from the aerated reservoir creates under the southwestern portion of the site helps to keep the VOCs in the shallow aquifer from migrating off site.

Based on the groundwater elevations, VOC concentrations and vertical gradients measured in the MW-111 and MW-113 wells nests east and west of Lowes Creek, we believe that the VOC plume from WRR discharges to Lowes Creek, as discussed in the Conceptual Site Model section of Gannett Fleming's June 2014 *Evaluation of Corrective Measures and Plan of Activities* report.

Future Activities and Schedules

The following activities are scheduled during the next reporting period:

- Continue to operate recovery wells RW-2, RW-4, and RW-6 through RW-11. Samples will be collected from each of the operating recovery wells on a monthly or quarterly basis, as appropriate, to document the mass of VOCs being removed by each well.
- The existing three AI/SVE systems will remain off.
- Groundwater samples will be collected in the spring and fall of 2017 from the on- and off-site wells listed in Table 15.
- Water samples will be collected from private wells PW-11 and PW-16 in the spring of 2017.
- The pumping rates of RW-2, RW-4, and RW-6 through RW-11 will be monitored by WRR, and any repairs or other maintenance activities will be conducted, as necessary, to keep them operating at their maximum efficiencies.
- Bi-monthly samples will be collected from Outfall 002 (aerated reservoir discharge) as required by WPDES Permit and reported to the WDNR.
- All water samples will be submitted to a Wisconsin-certified laboratory for analysis of VOCs using EPA Method 8260B.
- A supplemental investigation will be conducted to further define the extent and magnitude of CVOCs in the soil and groundwater in areas of the site that are not currently being remediated by the existing remediation systems. Figure 16 shows the locations of the proposed borings and wells. The legend of Figure 16 indicates which borings will have soil

Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

-14-

and/or groundwater samples collected from them. A two-inch-diameter groundwater monitoring well will also be installed during the next phase of investigation to monitor the progress of remediation near GP-77 where elevated CVOC concentrations were measured in September 2016. See Tables 18 and 19 for the CVOC concentrations measured in GP-77.

- Two mid-depth recovery wells will be installed to keep the elevated concentrations of ketones and toluene from migrating off site in the mid-depth aquifer. As previously mentioned, one of the proposed recovery wells will be installed next to GP-85 where elevated concentrations of IPA, ketones, and toluene were measured. See Table 21 for VOC concentrations measured in the four groundwater samples collected from GP-85. The other recovery well will be located next to well nest W-31A/B where elevated concentrations of the same compounds have been detected in the mid-depth aquifer. Both of the proposed mid-depth recovery wells are downgradient of the tanks located east of Building E-II, which were/are the likely source of elevated IPA and ketones concentrations measured in the groundwater. The locations of the proposed recovery wells are shown on Figure 16.

A mini-sonic drill rig will be used to install both recovery wells. Both wells will have 20-foot-long screens placed below the upper clay layer that separates the shallow and mid-depth aquifers. To prevent groundwater from the upper aquifer leaking into the mid-depth aquifer, the riser pipe casing for each recovery well would extend to the bottom of the upper clay layer, as would the bentonite seal of the annular space of the boreholes for the wells. After the wells are installed and developed, a pumping test will be conducted on each well to determine its radius of influence and capture zone. If requested, a more detailed work plan for the installation of the proposed recovery wells can be provided to the WDNR for review.

- Two SVE wells will be installed as part of a pilot test. One well will be installed near the northeast corner of Building E-1 next to boring GP-48 where elevated concentrations of CVOCs were measured in the soil and groundwater. The other SVE well will be installed inside Building A near borings GP-42 and GP-84 where elevated concentrations of CVOCs and PRC were measured in the soil and groundwater. Figure 16 also shows the locations of the proposed SVE wells. After they are installed, pilot tests will be conducted on the proposed SVE wells using the existing and proposed monitoring wells to measure vacuums and determine the radius of influence for each SVE well.

The results of the pumping and SVE pilot tests will be used to develop a supplemental remedial action plan to address those impacted areas of the site that are not currently being remediated.

Gannett Fleming


Ms. Mae Willkom, Hydrogeologist
Wisconsin Department of Natural Resources, WCR
February 13, 2017

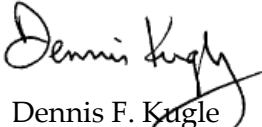
-15-

The next O&M report will include the spring 2017 sampling results and remedial activities conducted through July 2017. To keep with the current schedule of reporting, that report will be sent to the WDNR by September 15, 2017. In the meantime, please call if you have any questions or need additional information.

Sincerely,

GANNETT FLEMING, INC.

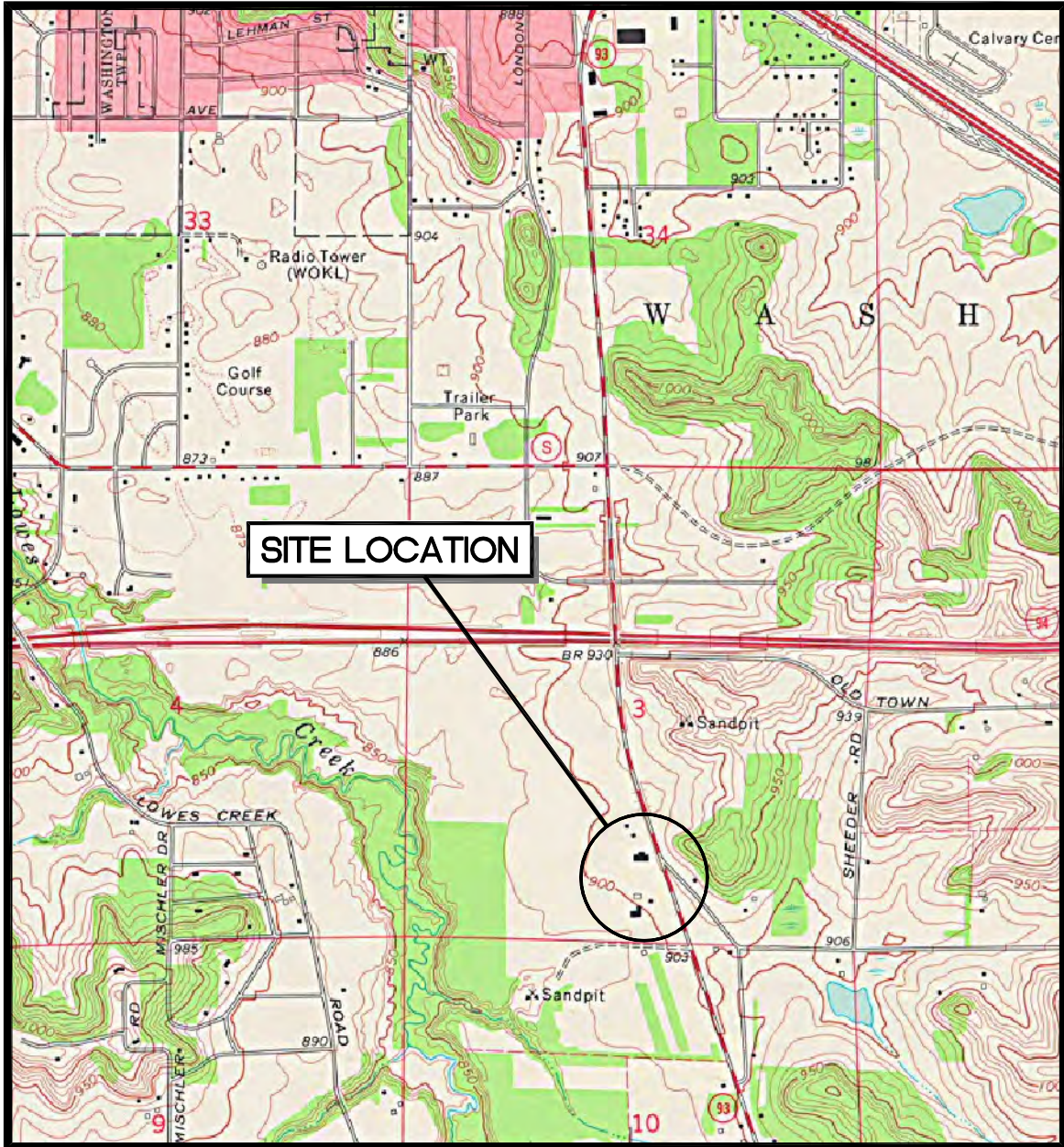

Anthony W. Miller, P.S.S.
Project Hydrogeologist


Dennis F. Kugle
Senior Project Manager

AWM/jec

Enc.

Electronic cc: Jim Hager, Bob Fuller, Becky Anderson (WRR)
Mike Ellenbecker (WDNR – Waste and Materials Management Specialist)



APPROX. SCALE: 1 INCH = 2,150 FEET

7.5 MIN TOPOGRAPHIC MAP
EAU CLAIRE EAST, WISCONSIN
1972



LOCATION MAP

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN



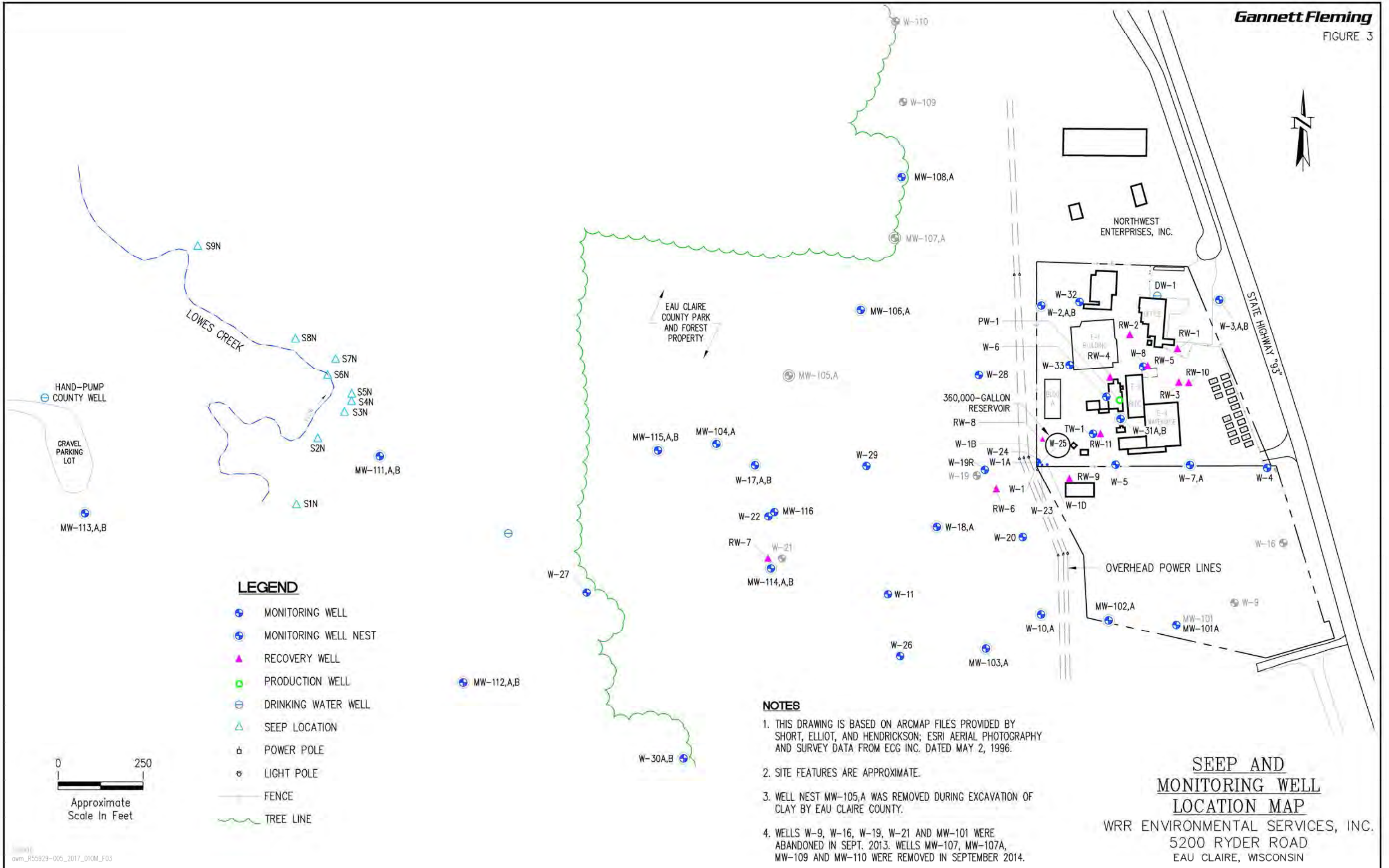
APPROX. SCALE: 1 INCH = 420 FEET

GOOGLE EARTH IMAGERY (04/14)



AERIAL MAP

WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN



LEGEND

- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- SEEP LOCATION
- POWER POLE
- LIGHT POLE
- FENCE
- TREE LINE

0 250
 Approximate
 Scale In Feet

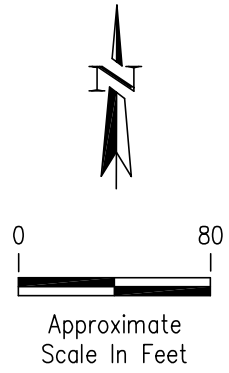
NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. WELL NEST MW-105,A WAS REMOVED DURING EXCAVATION OF CLAY BY EAU CLAIRE COUNTY.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014.

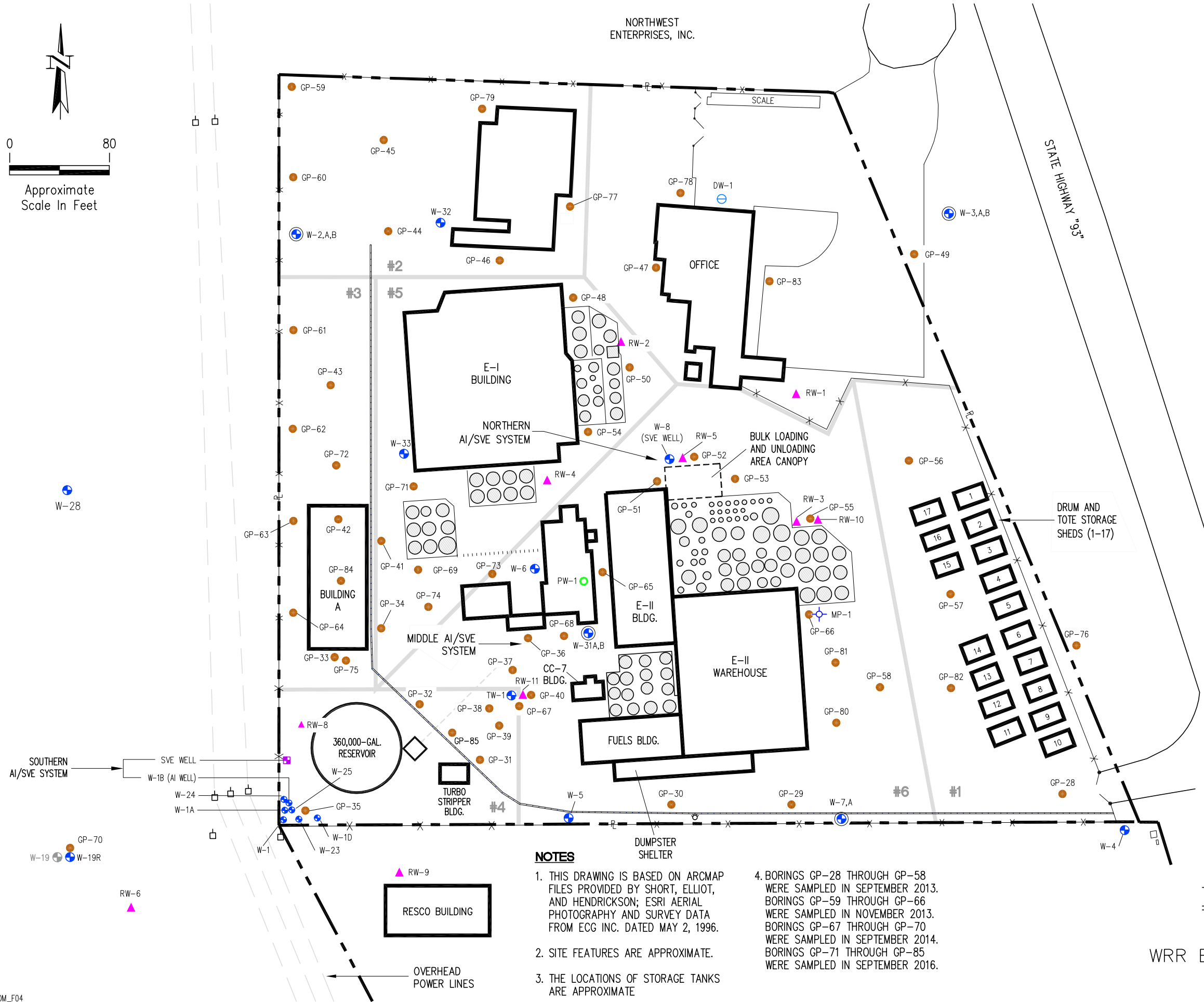
**SEEP AND
 MONITORING WELL
 LOCATION MAP**

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

NORTHWEST ENTERPRISES, INC.



Approximate Scale In Feet



LEGEND

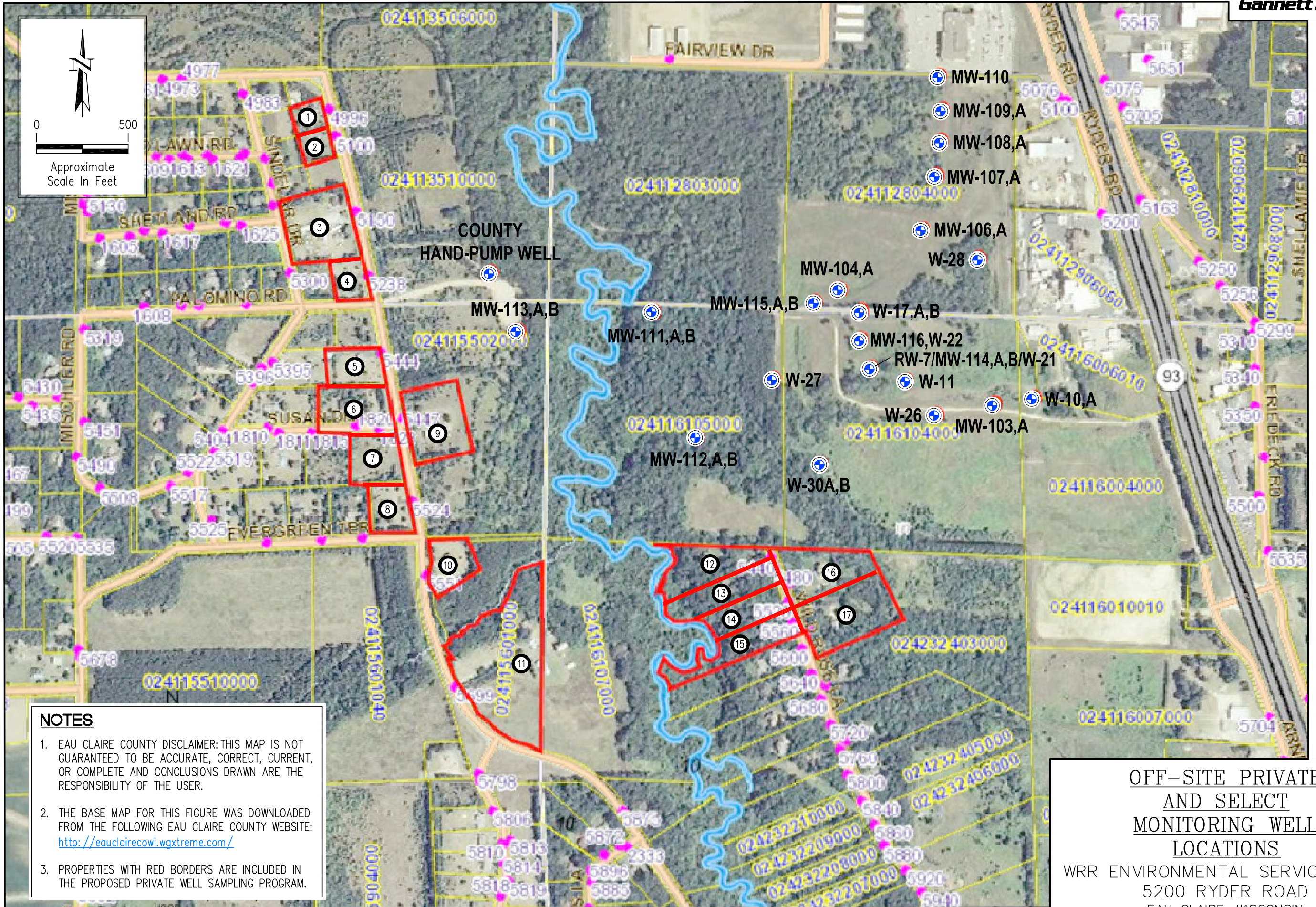
- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH
- SOLID WASTE MANAGEMENT UNITS

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF STORAGE TANKS ARE APPROXIMATE
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016.

BORING AND WELL LOCATIONS

WRR ENVIRONMENTAL SERVICES, INC. 5200 RYDER ROAD EAU CLAIRE, WISCONSIN



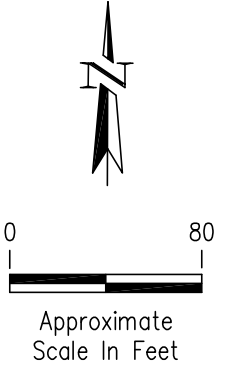
NOTES

1. EAU CLAIRE COUNTY DISCLAIMER: THIS MAP IS NOT GUARANTEED TO BE ACCURATE, CORRECT, CURRENT, OR COMPLETE AND CONCLUSIONS DRAWN ARE THE RESPONSIBILITY OF THE USER.
2. THE BASE MAP FOR THIS FIGURE WAS DOWNLOADED FROM THE FOLLOWING EAU CLAIRE COUNTY WEBSITE: <http://eauclairecowi.wgxtreme.com/>
3. PROPERTIES WITH RED BORDERS ARE INCLUDED IN THE PROPOSED PRIVATE WELL SAMPLING PROGRAM.

**OFF-SITE PRIVATE
AND SELECT
MONITORING WELL
LOCATIONS**

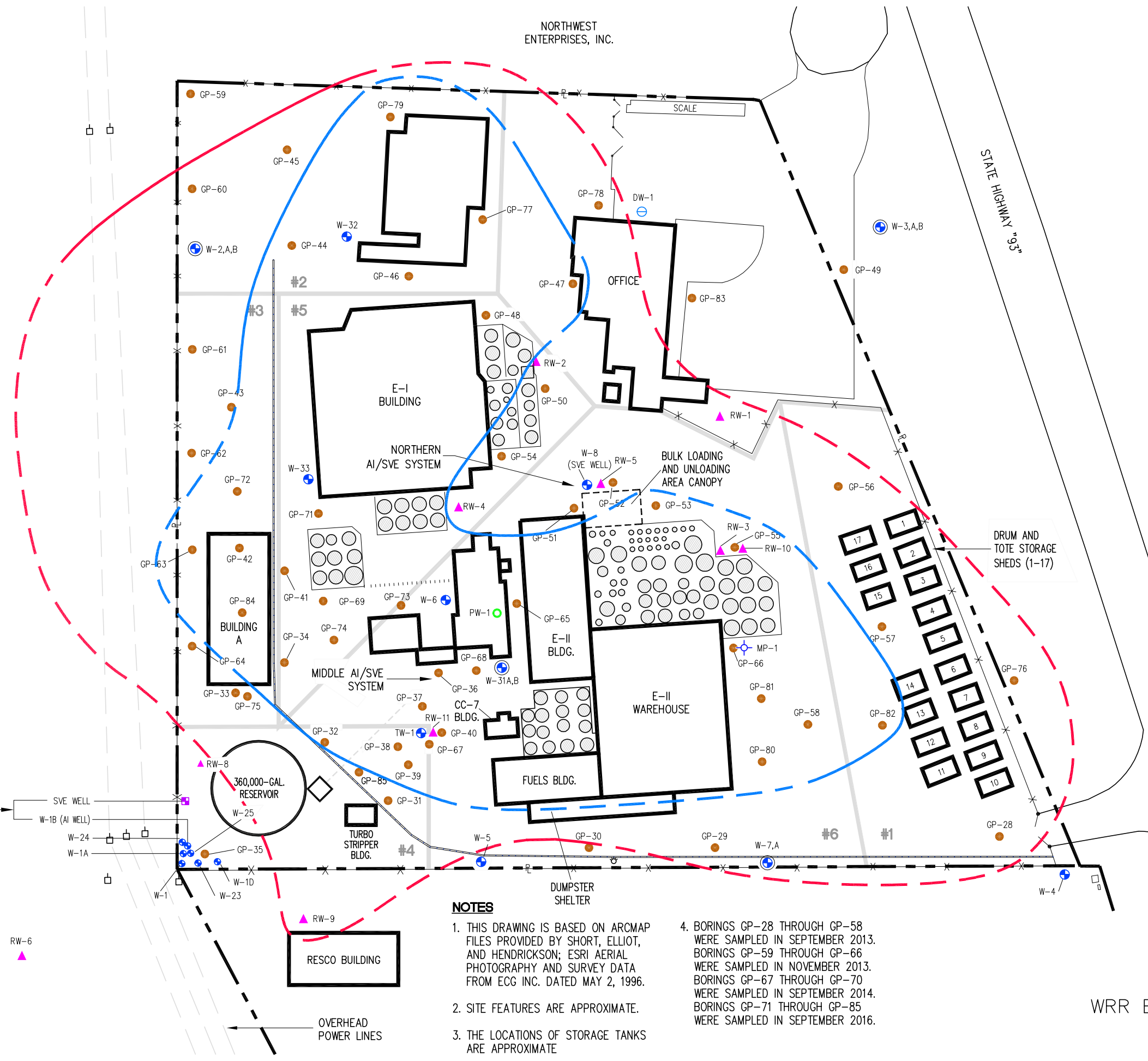
WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

NORTHWEST ENTERPRISES, INC.



LEGEND

- GEOPROBE BORING SAMPLE LOCATION
- MONITORING WELL
- MONITORING WELL NEST
- RECOVERY WELL
- PRODUCTION WELL
- DRINKING WATER WELL
- 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- LIGHT POLE
- FENCE
- SURFACE WATER DRAINAGE DITCH
- SOLID WASTE MANAGEMENT UNITS
- ESTIMATED EXTENT OF VOCs AT CONCENTRATIONS GREATER THAN NR 140 ES.
- ESTIMATED EXTENT OF VOCs AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN NR 140 ES.



ESTIMATED EXTENT OF CVOCs IN SHALLOW ON-SITE AQUIFER - OCTOBER 2016

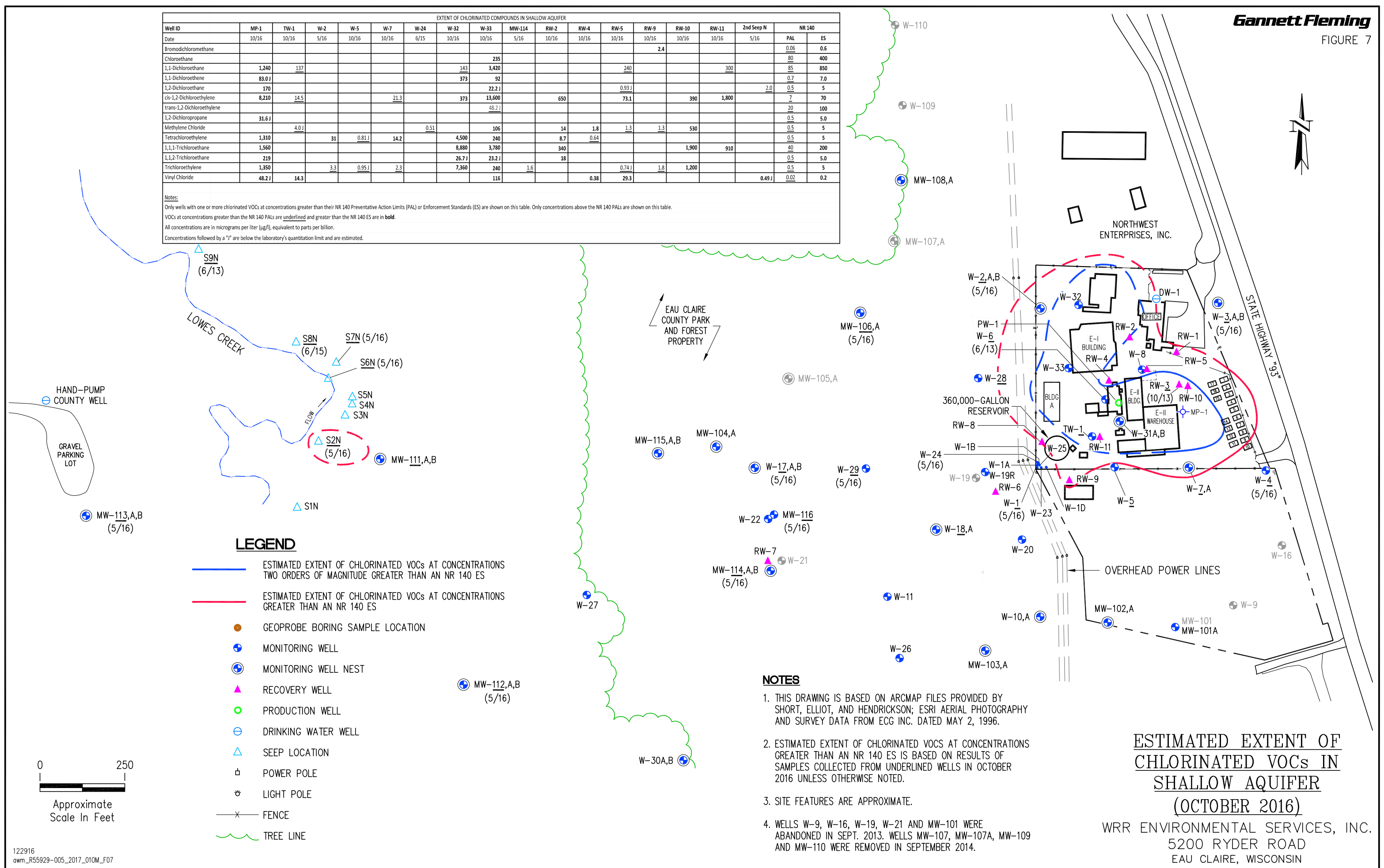
WRR ENVIRONMENTAL SERVICES, INC. 5200 RYDER ROAD EAU CLAIRE, WISCONSIN

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF STORAGE TANKS ARE APPROXIMATE
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016.

EXTENT OF CHLORINATED COMPOUNDS IN SHALLOW AQUIFER																		
Well ID	MP-1	TW-1	W-2	W-5	W-7	W-24	W-32	W-33	MW-114	RW-2	RW-4	RW-5	RW-9	RW-10	RW-11	2nd Seep N	NR 140	
Date	10/16	10/16	5/16	10/16	10/16	6/15	10/16	10/16	5/16	10/16	10/16	10/16	10/16	10/16	10/16	5/16	PAL	ES
Bromodichloromethane													2.4				0.06	0.6
Chloroethane								235									80	400
1,1-Dichloroethane	1,240	137					143	3,420				240			300		85	850
1,1-Dichloroethene	83.0J						373	92									0.7	7.0
1,2-Dichloroethane	170						22.2J					0.93J				2.0	0.5	5
cis-1,2-Dichloroethylene	8,210	14.5			21.3		373	13,600		650		73.1		390	1,800		7	70
trans-1,2-Dichloroethylene								48.2J									20	100
1,2-Dichloropropane	31.6J																0.5	5.0
Methylene Chloride		4.0J				0.51		106		14	1.8	1.3	1.3	530			0.5	5
Tetrachloroethylene	1,310		31	0.81J	14.2		4,500	240		8.7	0.64						0.5	5
1,1,1-Trichloroethane	1,560						8,880	3,780		340				1,900	910		40	200
1,1,2-Trichloroethane	219						26.7J	23.2J		18							0.5	5.0
Trichloroethylene	1,350		3.3	0.95J	2.3		7,360	240	1.6			0.74J	1.8	1,200			0.5	5
Vinyl Chloride	48.2J	14.3						116			0.38	29.3				0.49J	0.02	0.2

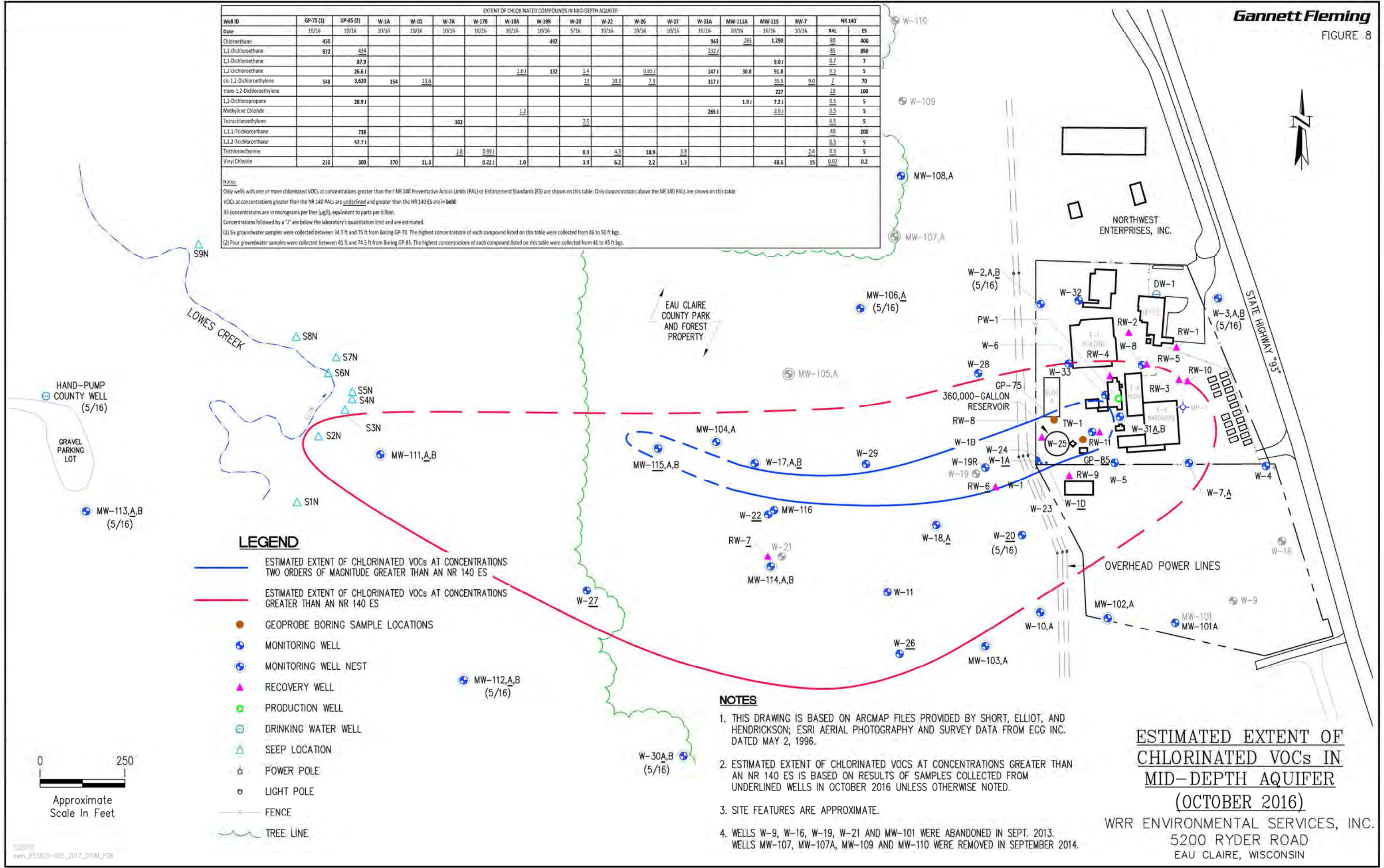
Notes:
 Only wells with one or more chlorinated VOCs at concentrations greater than their NR 140 Preventative Action Limits (PAL) or Enforcement Standards (ES) are shown on this table. Only concentrations above the NR 140 PALs are shown on this table.
 VOCs at concentrations greater than the NR 140 PALs are underlined and greater than the NR 140 ES are in **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion.
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.



ESTIMATED EXTENT OF CHLORINATED VOCs IN SHALLOW AQUIFER (OCTOBER 2016)
 WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

EXTENT OF CHLORINATED COMPOUNDS IN MID-DEPTH AQUIFER																		
Well ID	GP-75 (1)	GP-85 (2)	W-1A	W-1D	W-7A	W-17B	W-18A	W-19R	W-20	W-22	W-26	W-27	W-31A	MW-111A	MW-115	RW-7	NR 140	
Date	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	5/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	PAL	ES
Chloroethane	450							492					943	285	1,290		80	400
1,1-Dichloroethane	872	434											232 J				85	850
1,1-Dichloroethene		87.9													9.0 J		0.7	7
1,2-Dichloroethane		26.6 J					1.0 J	132	1.4		0.85 J		147 J	30.8	91.8		0.5	5
cis-1,2-Dichloroethylene	548	3,620	154	13.6					13	10.3	7.3		317 J		35.5	9.0	7	70
trans-1,2-Dichloroethylene															227		20	100
1,2-Dichloropropane		28.9 J												1.9 J	7.2 J		0.5	5
Methylene Chloride							1.2						265 J		2.9 J		0.5	5
Tetrachloroethylene					102				2.5								0.5	5
1,1,1-Trichloroethane		738															40	200
1,1,2-Trichloroethane		52.7 J															0.5	5
Trichloroethylene					1.8	0.99 J			8.9	4.3	18.9	3.9				2.4	0.5	5
Vinyl Chloride	210	300	370	11.3		0.22 J	1.0		3.9	6.2	2.2	1.3			48.6	15	0.02	0.2

Notes:
 Only wells with one or more chlorinated VOCs at concentrations greater than their NR 140 Preventative Action Limits (PAL) or Enforcement Standards (ES) are shown on this table. Only concentrations above the NR 140 PALs are shown on this table.
 VOCs at concentrations greater than the NR 140 PALs are underlined and greater than the NR 140 ES are in **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion.
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 (1) Six groundwater samples were collected between 34.5 ft and 75 ft from Boring GP-70. The highest concentrations of each compound listed on this table were collected from 46 to 50 ft bgs.
 (2) Four groundwater samples were collected between 41 ft and 74.5 ft from Boring GP-85. The highest concentrations of each compound listed on this table were collected from 41 to 45 ft bgs.

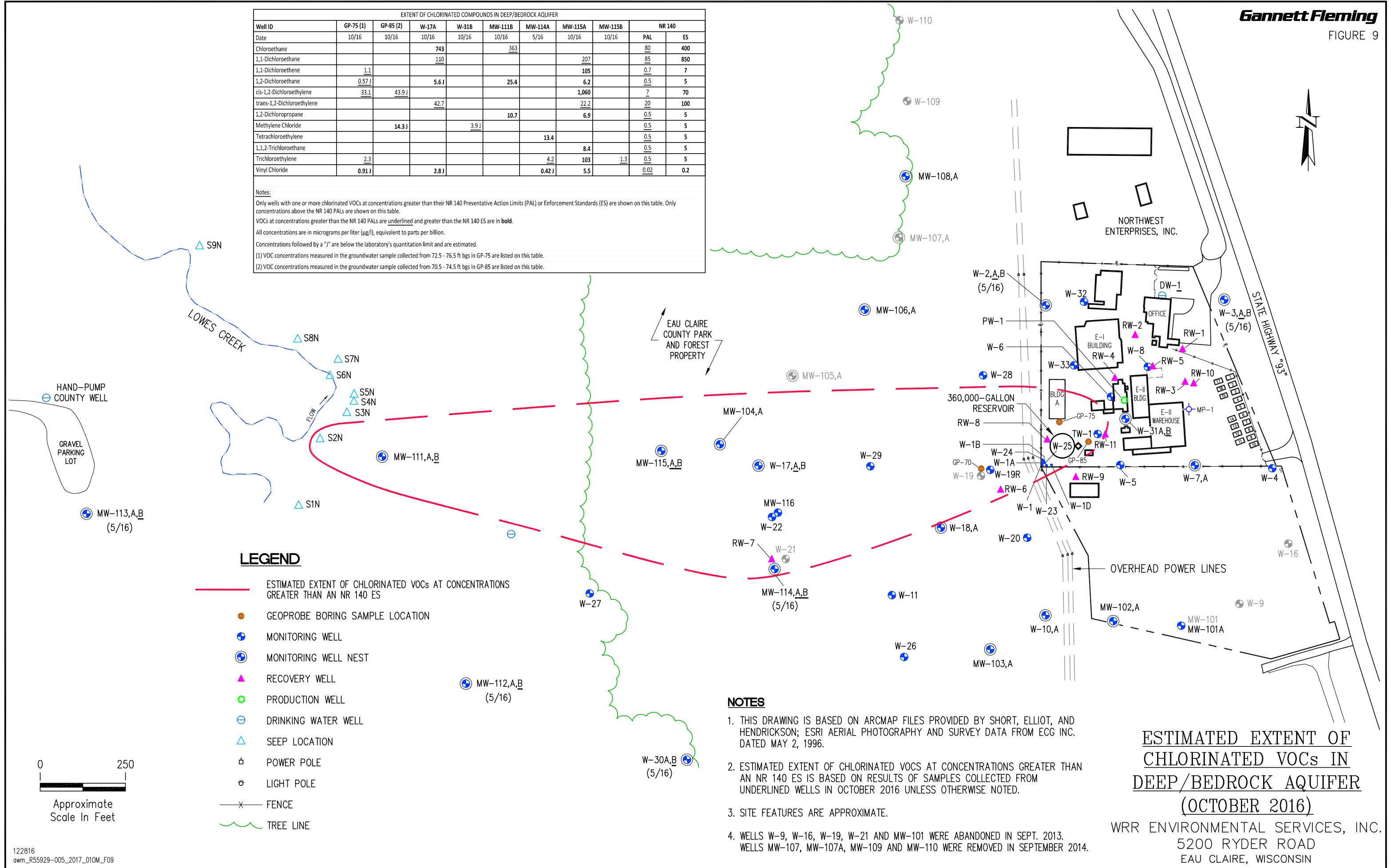


ESTIMATED EXTENT OF CHLORINATED VOCs IN MID-DEPTH AQUIFER (OCTOBER 2016)

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

EXTENT OF CHLORINATED COMPOUNDS IN DEEP/BEDROCK AQUIFER										
Well ID	GP-75 (1)	GP-85 (2)	W-17A	W-31B	MW-111B	MW-114A	MW-115A	MW-115B	NR 140	
Date	10/16	10/16	10/16	10/16	10/16	5/16	10/16	10/16	PAL	ES
Chloroethane			743		<u>363</u>				<u>80</u>	400
1,1-Dichloroethane			<u>110</u>						85	850
1,1-Dichloroethene	<u>1.1</u>								<u>105</u>	7
1,2-Dichloroethane	<u>0.57J</u>		5.6J		25.4				<u>6.2</u>	5
cis-1,2-Dichloroethylene	<u>33.1</u>	<u>43.9J</u>							<u>1,060</u>	70
trans-1,2-Dichloroethylene			<u>42.7</u>						<u>22.2</u>	100
1,2-Dichloropropane					<u>10.7</u>				<u>6.9</u>	5
Methylene Chloride		<u>14.3J</u>		<u>3.9J</u>					<u>0.5</u>	5
Tetrachloroethylene						<u>13.4</u>			<u>0.5</u>	5
1,1,2-Trichloroethane							<u>8.4</u>		<u>0.5</u>	5
Trichloroethylene	<u>2.3</u>					<u>4.2</u>	<u>103</u>	<u>1.3</u>	<u>0.5</u>	5
Vinyl Chloride	<u>0.91J</u>		2.8J			0.42J	<u>5.5</u>		<u>0.02</u>	0.2

Notes:
 Only wells with one or more chlorinated VOCs at concentrations greater than their NR 140 Preventative Action Limits (PAL) or Enforcement Standards (ES) are shown on this table. Only concentrations above the NR 140 PALs are shown on this table.
 VOCs at concentrations greater than the NR 140 PALs are underlined and greater than the NR 140 ES are in **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion.
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 (1) VOC concentrations measured in the groundwater sample collected from 72.5 - 76.5 ft bgs in GP-75 are listed on this table.
 (2) VOC concentrations measured in the groundwater sample collected from 70.5 - 74.5 ft bgs in GP-85 are listed on this table.



LEGEND

- ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊖ DRINKING WATER WELL
- △ SEEP LOCATION
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- x— FENCE
- ~ TREE LINE

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. ESTIMATED EXTENT OF CHLORINATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2016 UNLESS OTHERWISE NOTED.
3. SITE FEATURES ARE APPROXIMATE.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014.

ESTIMATED EXTENT OF CHLORINATED VOCs IN DEEP/BEDROCK AQUIFER (OCTOBER 2016)

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN



NORTHWEST ENTERPRISES, INC.

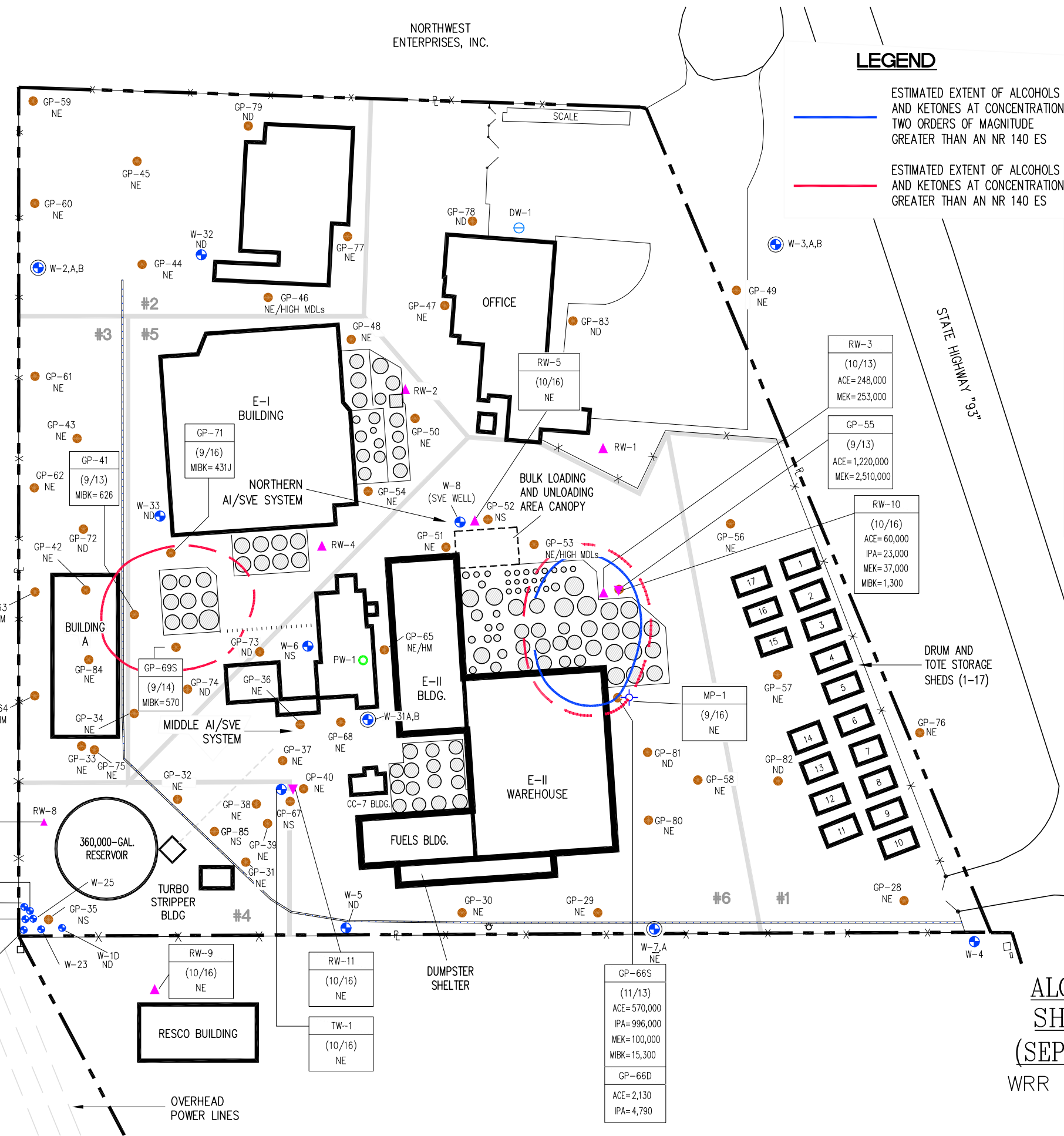
LEGEND

- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊖ DRINKING WATER WELL
- △ SEEP LOCATION
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- ⊕ LIGHT POLE
- x-x- FENCE
- SURFACE WATER DRAINAGE DITCH
- #2 SOLID WASTE MANAGEMENT UNITS

MAP ID	COMPOUND NAME	NR 140 ES
ACE	ACETONE	9,000
IPA	ISOPROPYL ALCOHOL	3,000
MEK	METHYL ETHYL KETONE	4,000
MIBK	METHYL ISOBUTYL KETONE	500

NOTES
 ONLY COMPOUNDS AT CONCENTRATIONS ABOVE THEIR NR 140 ENFORCEMENT STANDARDS ARE SHOWN ON MAP.

 NE=NO NR 140 ENFORCEMENT STANDARD EXCEEDANCES
 HM=HIGH METHOD DETECTION LIMITS
 NS=NOT SAMPLED
 ND=NO DETECTS



RW-3	(10/13)
ACE=248,000	MEK=253,000

GP-55	(9/13)
ACE=1,220,000	MEK=2,510,000

RW-10	(10/16)
ACE=60,000	IPA=23,000
MEK=37,000	MIBK=1,300

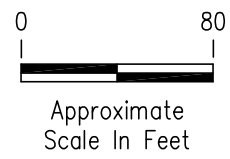
RW-8	(10/16)
NE	

GP-66S	(11/13)
ACE=570,000	IPA=996,000
MEK=100,000	MIBK=15,300
GP-66D	
ACE=2,130	IPA=4,790

- NOTES**
- THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
 - SITE FEATURES ARE APPROXIMATE.
 - THE LOCATIONS OF TANKS ARE APPROXIMATE AND THE SURVEYED LOCATIONS ARE SHOWN ON THE DRAWINGS IN THE FEASIBILITY AND PLAN OF OPERATION REPORT.
 - BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013; BORINGS GP-59 THROUGH GP-66 WERE SAMPLED ON NOVEMBER 2013; BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014; BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016.

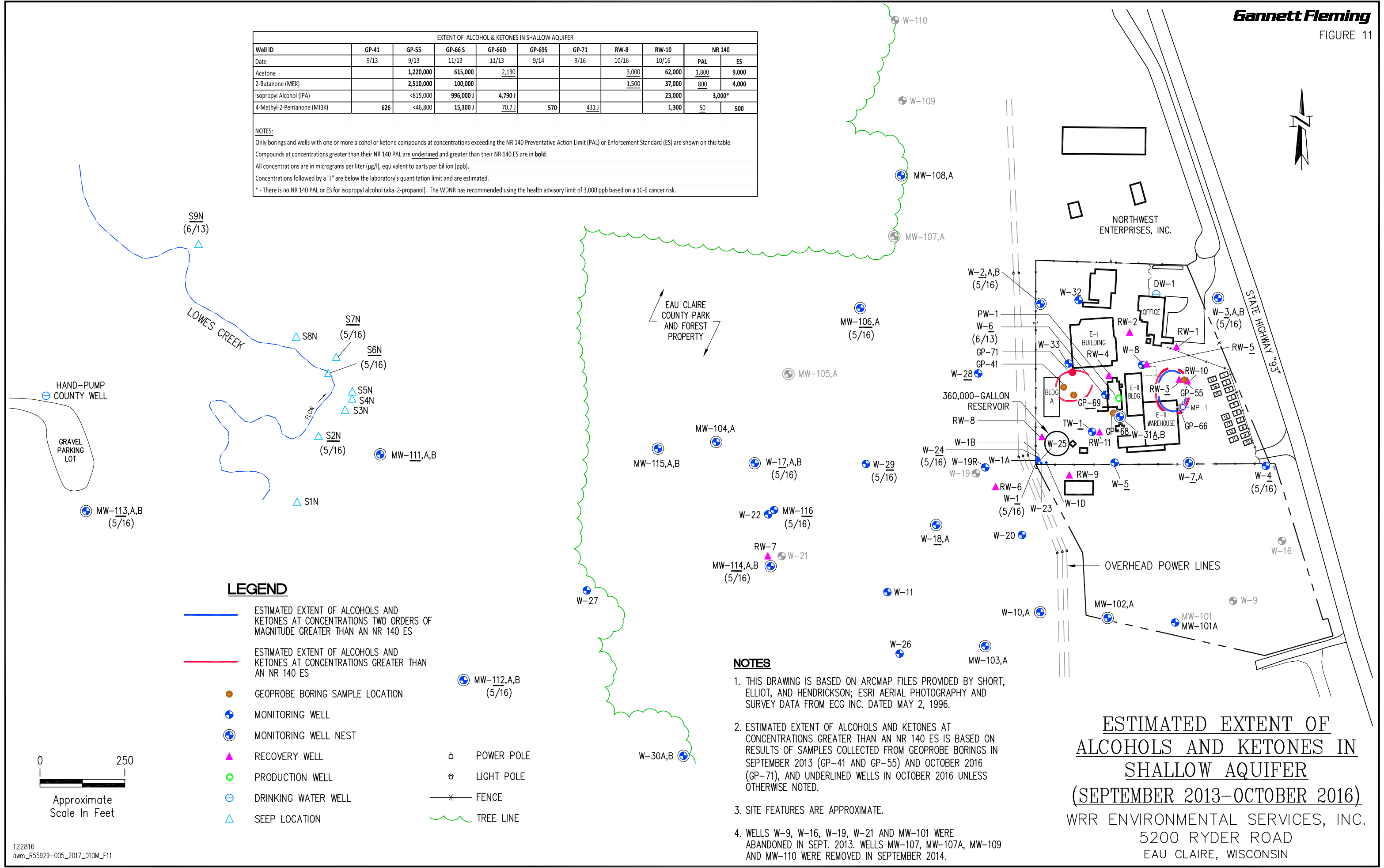
ESTIMATED EXTENT OF ALCOHOLS AND KETONES IN SHALLOW AQUIFER ON SITE (SEPTEMBER 2013-OCTOBER 2016)

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN



EXTENT OF ALCOHOL & KETONES IN SHALLOW AQUIFER										
Well ID	GP-41	GP-55	GP-66 S	GP-66D	GP-69S	GP-71	RW-8	RW-10	NR 140	
Date	9/13	9/13	11/13	11/13	9/14	9/16	10/16	10/16	PAL	ES
Acetone		1,220,000	615,000	<u>2,130</u>			<u>3,000</u>	62,000	<u>1,800</u>	9,000
2-Butanone (MEK)		2,510,000	100,000				<u>1,500</u>	37,000	<u>800</u>	4,000
Isopropyl Alcohol (IPA)		<815,000	996,000 J	<u>4,790 J</u>				23,000		3,000*
4-Methyl-2-Pentanone (MIBK)	626	<46,800	15,300 J	<u>70.7 J</u>	570	<u>431 J</u>		1,300	<u>50</u>	500

NOTES:
 Only borings and wells with one or more alcohol or ketone compounds at concentrations exceeding the NR 140 Preventative Action Limit (PAL) or Enforcement Standard (ES) are shown on this table.
 Compounds at concentrations greater than their NR 140 PAL are underlined and greater than their NR 140 ES are in **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion (ppb).
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 * - There is no NR 140 PAL or ES for isopropyl alcohol (aka. 2-propanol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10⁻⁶ cancer risk.



LEGEND

- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊖ DRINKING WATER WELL
- △ SEEP LOCATION
- ⊕ MW-112,A,B (5/16)
- ⊕ MW-113,A,B (5/16)
- ⊕ MW-104,A
- ⊕ MW-115,A,B
- ⊕ W-17,A,B (5/16)
- ⊕ W-29 (5/16)
- ⊕ W-22
- ⊕ MW-116 (5/16)
- ▲ RW-7
- ⊕ MW-114,A,B (5/16)
- ⊕ W-21
- ⊕ W-18,A
- ⊕ W-20
- ⊕ W-11
- ⊕ W-26
- ⊕ MW-103,A
- ⊕ W-10,A
- ⊕ MW-102,A
- ⊕ MW-101
- ⊕ MW-101A
- ⊕ W-9
- ⊕ W-16
- ⊕ W-4 (5/16)
- ⊕ W-3,A,B (5/16)
- ⊕ W-109
- ⊕ MW-108,A
- ⊕ MW-107,A
- ⊕ W-110
- ⊕ W-27
- ⊕ W-30A,B
- ⊕ W-1
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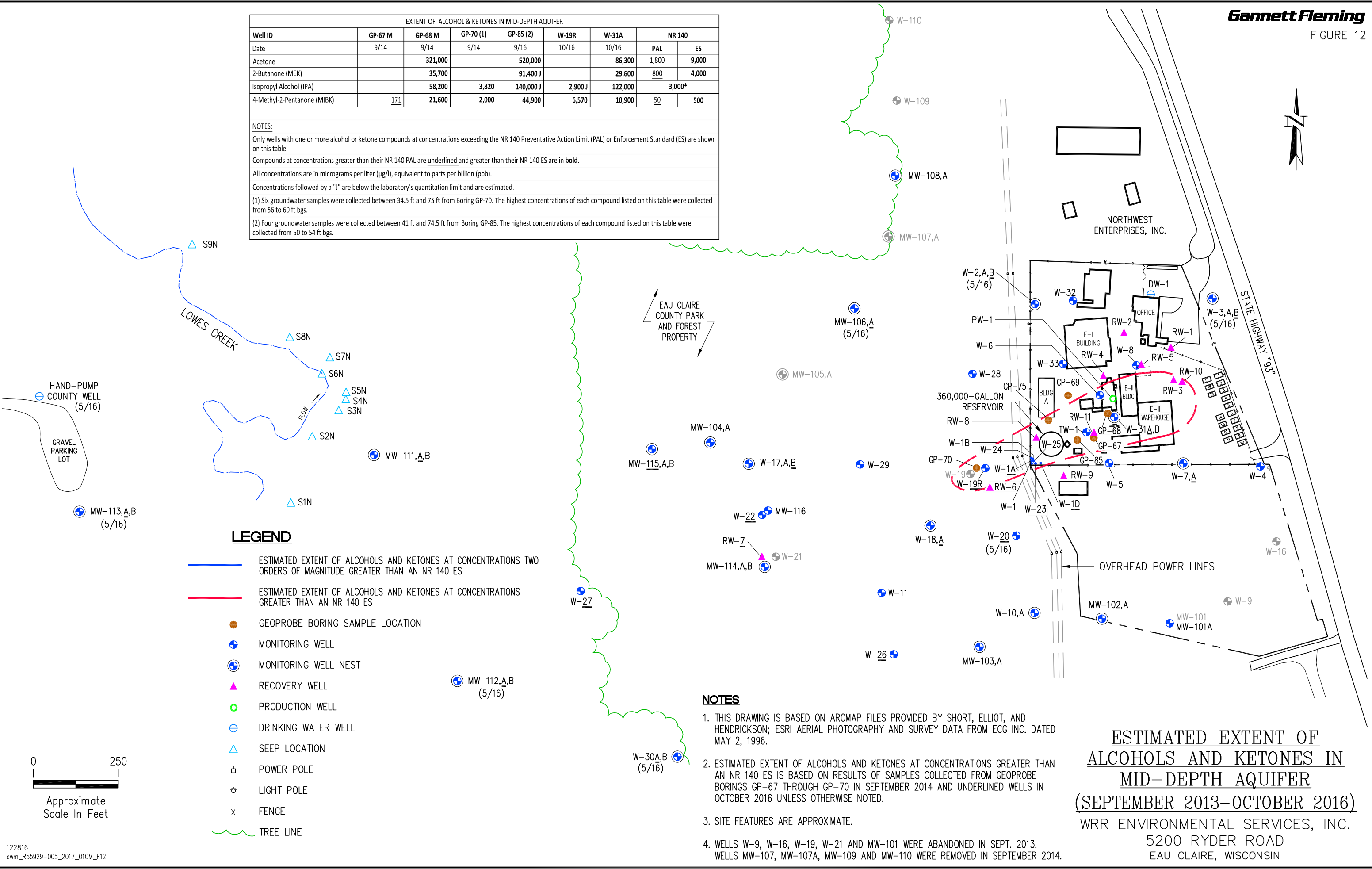
NOTES

- THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM GEOPROBE BORINGS IN SEPTEMBER 2013 (GP-41 AND GP-55) AND OCTOBER 2016 (GP-71), AND UNDERLINED WELLS IN OCTOBER 2016 UNLESS OTHERWISE NOTED.
- SITE FEATURES ARE APPROXIMATE.
- WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014.

ESTIMATED EXTENT OF ALCOHOLS AND KETONES IN SHALLOW AQUIFER (SEPTEMBER 2013–OCTOBER 2016)
 WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

EXTENT OF ALCOHOL & KETONES IN MID-DEPTH AQUIFER								
Well ID	GP-67 M	GP-68 M	GP-70 (1)	GP-85 (2)	W-19R	W-31A	NR 140	
Date	9/14	9/14	9/14	9/16	10/16	10/16	PAL	ES
Acetone		321,000		520,000		86,300	<u>1,800</u>	9,000
2-Butanone (MEK)		35,700		91,400 J		29,600	<u>800</u>	4,000
Isopropyl Alcohol (IPA)		58,200	3,820	140,000 J	2,900 J	122,000	<u>3,000*</u>	
4-Methyl-2-Pentanone (MIBK)	<u>171</u>	21,600	2,000	44,900	6,570	10,900	<u>50</u>	500

NOTES:
 Only wells with one or more alcohol or ketone compounds at concentrations exceeding the NR 140 Preventative Action Limit (PAL) or Enforcement Standard (ES) are shown on this table.
 Compounds at concentrations greater than their NR 140 PAL are underlined and greater than their NR 140 ES are in **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion (ppb).
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 (1) Six groundwater samples were collected between 34.5 ft and 75 ft from Boring GP-70. The highest concentrations of each compound listed on this table were collected from 56 to 60 ft bgs.
 (2) Four groundwater samples were collected between 41 ft and 74.5 ft from Boring GP-85. The highest concentrations of each compound listed on this table were collected from 50 to 54 ft bgs.



LEGEND

- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS TWO ORDERS OF MAGNITUDE GREATER THAN AN NR 140 ES
- ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- + MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊖ DRINKING WATER WELL
- △ SEEP LOCATION
- ⊔ POWER POLE
- ⊕ LIGHT POLE
- x— FENCE
- ~ TREE LINE

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. ESTIMATED EXTENT OF ALCOHOLS AND KETONES AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM GEOPROBE BORINGS GP-67 THROUGH GP-70 IN SEPTEMBER 2014 AND UNDERLINED WELLS IN OCTOBER 2016 UNLESS OTHERWISE NOTED.
3. SITE FEATURES ARE APPROXIMATE.
4. WELLS W-9, W-16, W-19, W-21 AND MW-101 WERE ABANDONED IN SEPT. 2013. WELLS MW-107, MW-107A, MW-109 AND MW-110 WERE REMOVED IN SEPTEMBER 2014.

ESTIMATED EXTENT OF ALCOHOLS AND KETONES IN MID-DEPTH AQUIFER (SEPTEMBER 2013-OCTOBER 2016)
 WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

LEGEND

- ESTIMATED EXTENT OF PETROLEUM-RELATED COMPOUNDS AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- ⊕ PRODUCTION WELL
- ⊕ DRINKING WATER WELL
- △ SEEP LOCATION
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- POWER POLE
- ⊕ LIGHT POLE
- x-x- FENCE
- SURFACE WATER DRAINAGE DITCH
- #2 SOLID WASTE MANAGEMENT UNITS

NOTES

1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF TANKS ARE APPROXIMATE AND THE SURVEYED LOCATIONS ARE SHOWN ON THE DRAWINGS IN THE FEASIBILITY AND PLAN OF OPERATION REPORT.
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013; BORINGS GP-59 THROUGH GP-66 WERE SAMPLED ON NOVEMBER 2013; BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014; BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016.
5. ALL CONCENTRATION SHOWN FOR VOCs IN WELLS ARE BASED ON SAMPLES COLLECTED IN OCTOBER 2016 UNLESS OTHERWISE NOTED.

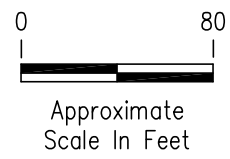
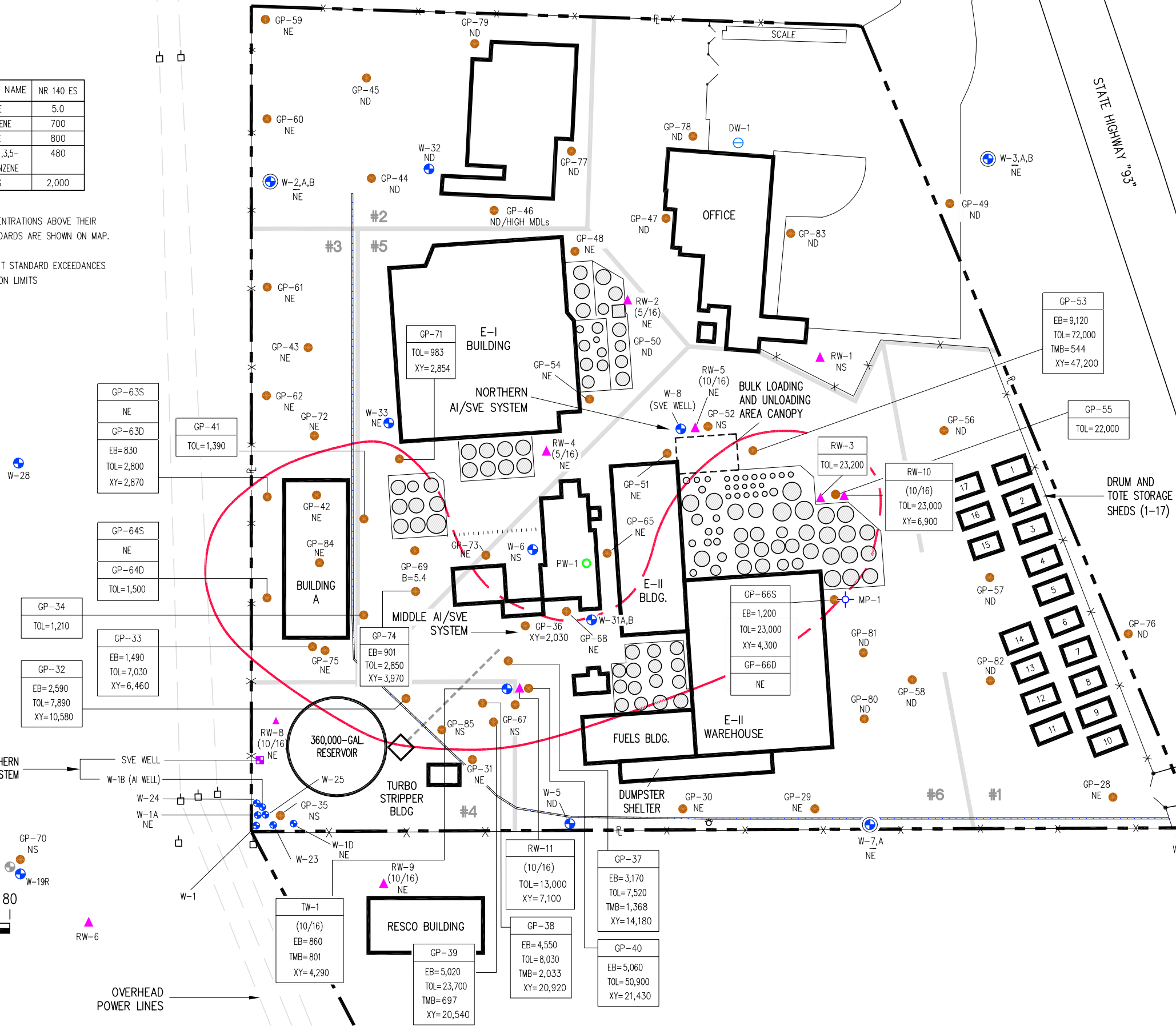
**ESTIMATED EXTENT OF
PETROLEUM-RELATED
COMPOUNDS IN
SHALLOW AQUIFER
(SEPTEMBER 2013-OCTOBER 2016)**
WRR ENVIRONMENTAL SERVICES, INC.
5200 RYDER ROAD
EAU CLAIRE, WISCONSIN

NORTHWEST ENTERPRISES, INC.

MAP ID	COMPOUND NAME	NR 140 ES
B	BENZENE	5.0
EB	ETHYLBENZENE	700
TOL	TOLUENE	800
TMB	1,2,4- AND 1,3,5-TRIMETHYLBENZENE	480
XY	XYLENES	2,000

NOTES
ONLY COMPOUNDS AT CONCENTRATIONS ABOVE THEIR NR 140 ENFORCEMENT STANDARDS ARE SHOWN ON MAP.

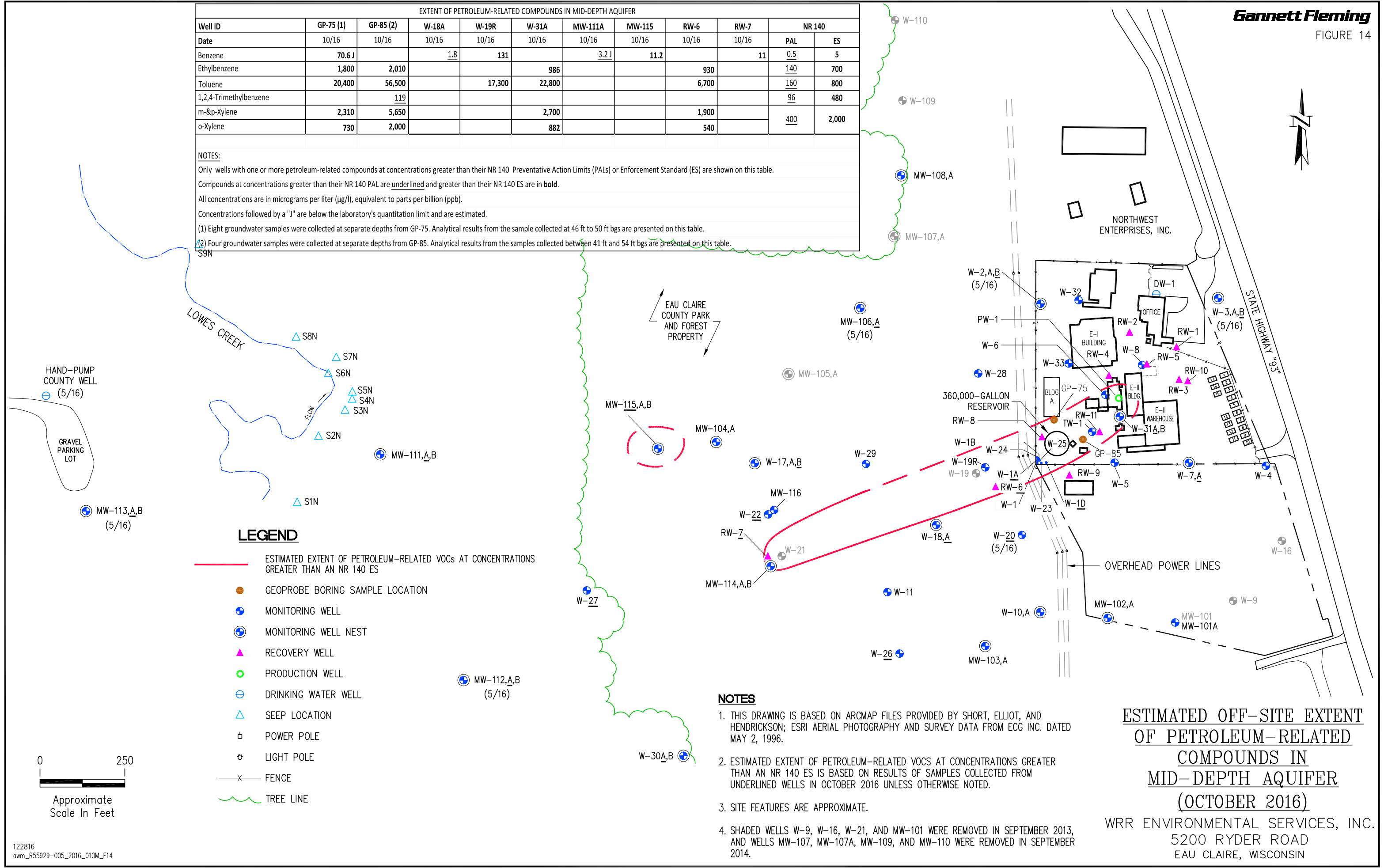
NE=NO NR 140 ENFORCEMENT STANDARD EXCEEDANCES
HM=HIGH METHOD DETECTION LIMITS
ND=NOT DETECTED
NS=NOT SAMPLED



EXTENT OF PETROLEUM-RELATED COMPOUNDS IN MID-DEPTH AQUIFER											
Well ID	GP-75 (1)	GP-85 (2)	W-18A	W-19R	W-31A	MW-111A	MW-115	RW-6	RW-7	NR 140	
Date	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	PAL	ES
Benzene	70.6 J		<u>1.8</u>	131		<u>3.2 J</u>	11.2		11	<u>0.5</u>	5
Ethylbenzene	1,800	2,010			986			930		<u>140</u>	700
Toluene	20,400	56,500		17,300	22,800			6,700		<u>160</u>	800
1,2,4-Trimethylbenzene		<u>119</u>								<u>96</u>	480
m-&p-Xylene	2,310	5,650			2,700			1,900		<u>400</u>	2,000
o-Xylene	730	2,000			882			540			

NOTES:

Only wells with one or more petroleum-related compounds at concentrations greater than their NR 140 Preventative Action Limits (PALs) or Enforcement Standard (ES) are shown on this table.
 Compounds at concentrations greater than their NR 140 PAL are underlined and greater than their NR 140 ES are **bold**.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion (ppb).
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 (1) Eight groundwater samples were collected at separate depths from GP-75. Analytical results from the sample collected at 46 ft to 50 ft bgs are presented on this table.
 (2) Four groundwater samples were collected at separate depths from GP-85. Analytical results from the samples collected between 41 ft and 54 ft bgs are presented on this table.



LEGEND

- ESTIMATED EXTENT OF PETROLEUM-RELATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES
- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊖ DRINKING WATER WELL
- △ SEEP LOCATION
- ⊔ POWER POLE
- ⊕ LIGHT POLE
- x— FENCE
- ~ TREE LINE

NOTES

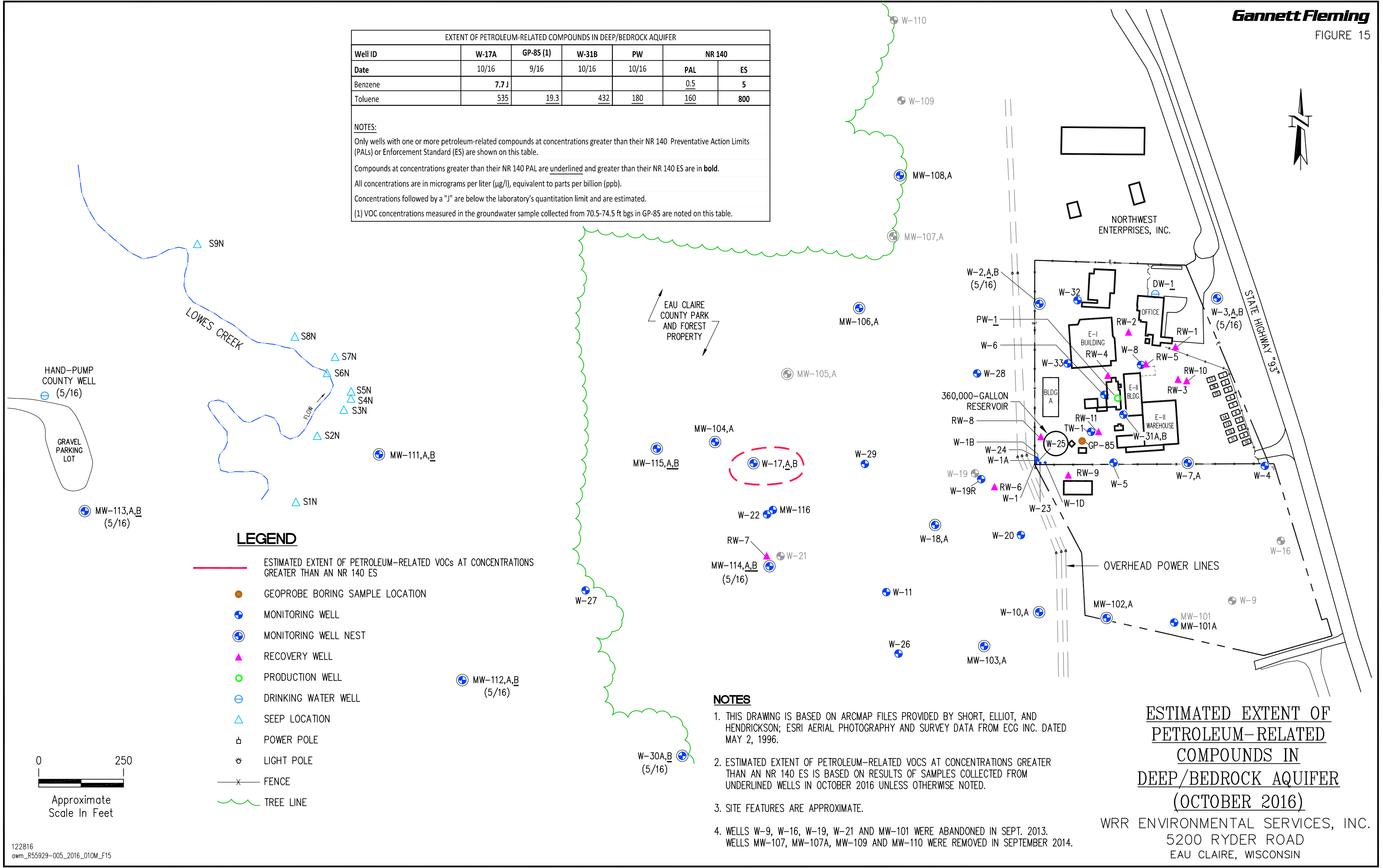
1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. ESTIMATED EXTENT OF PETROLEUM-RELATED VOCs AT CONCENTRATIONS GREATER THAN AN NR 140 ES IS BASED ON RESULTS OF SAMPLES COLLECTED FROM UNDERLINED WELLS IN OCTOBER 2016 UNLESS OTHERWISE NOTED.
3. SITE FEATURES ARE APPROXIMATE.
4. SHADED WELLS W-9, W-16, W-21, AND MW-101 WERE REMOVED IN SEPTEMBER 2013, AND WELLS MW-107, MW-107A, MW-109, AND MW-110 WERE REMOVED IN SEPTEMBER 2014.

ESTIMATED OFF-SITE EXTENT OF PETROLEUM-RELATED COMPOUNDS IN MID-DEPTH AQUIFER (OCTOBER 2016)

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

EXTENT OF PETROLEUM-RELATED COMPOUNDS IN DEEP/BEDROCK AQUIFER						
Well ID	W-17A	GP-85 (1)	W-31B	PW	NR 140	
Date	10/16	9/16	10/16	10/16	PAL	ES
Benzene	<u>7.7</u> J				<u>0.5</u>	5
Toluene	<u>535</u>	<u>19.3</u>	<u>432</u>	<u>180</u>	<u>160</u>	800

NOTES:
 Only wells with one or more petroleum-related compounds at concentrations greater than their NR 140 Preventative Action Limits (PALs) or Enforcement Standard (ES) are shown on this table.
 Compounds at concentrations greater than their NR 140 PAL are underlined and greater than their NR 140 ES are in bold.
 All concentrations are in micrograms per liter (µg/l), equivalent to parts per billion (ppb).
 Concentrations followed by a "J" are below the laboratory's quantitation limit and are estimated.
 (1) VOC concentrations measured in the groundwater sample collected from 70.5-74.5 ft bgs in GP-85 are noted on this table.



**ESTIMATED EXTENT OF
 PETROLEUM-RELATED
 COMPOUNDS IN
 DEEP/BEDROCK AQUIFER
 (OCTOBER 2016)**

WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN

NOTES

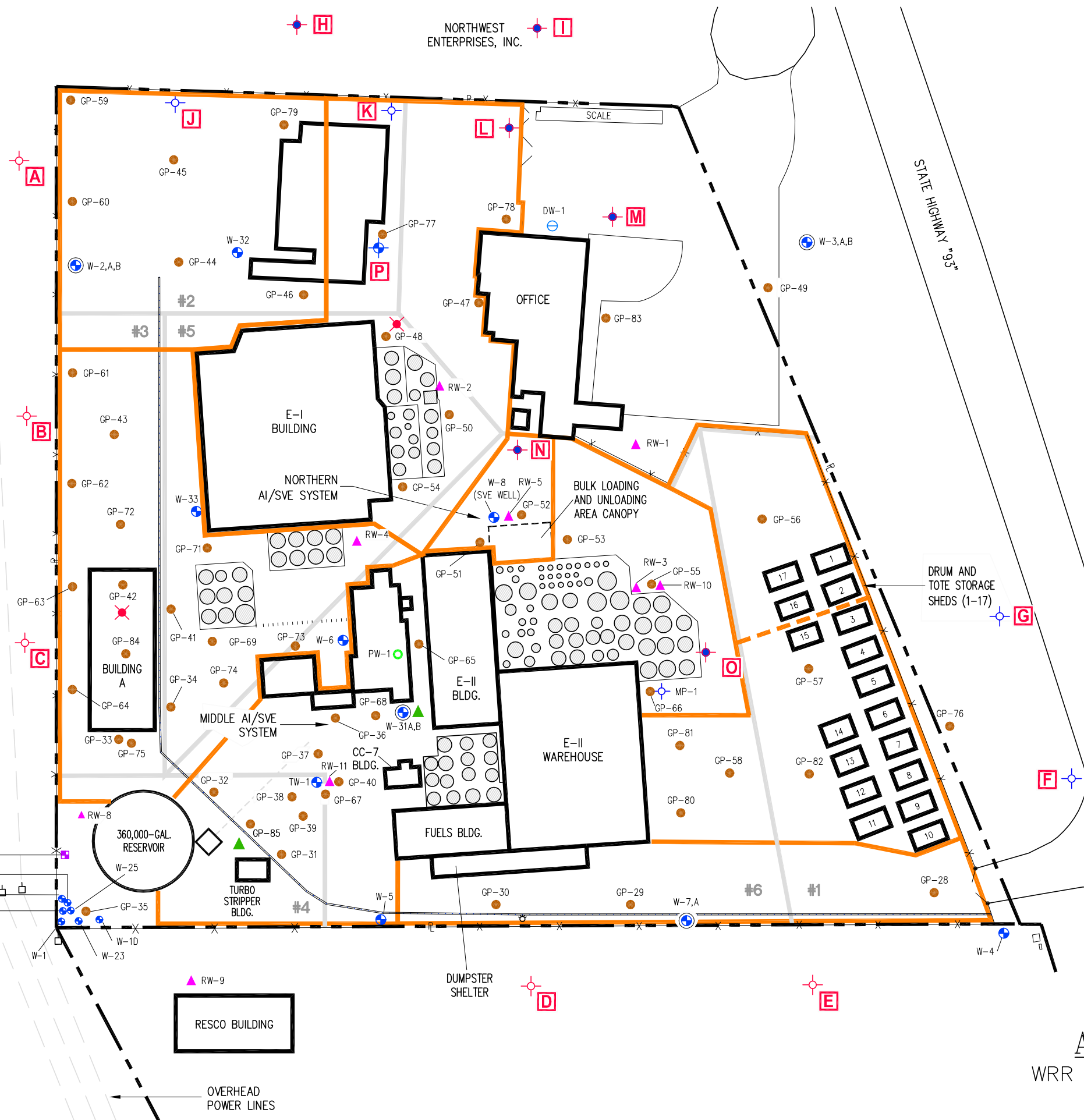
1. THIS DRAWING IS BASED ON ARCMAP FILES PROVIDED BY SHORT, ELLIOT, AND HENDRICKSON; ESRI AERIAL PHOTOGRAPHY AND SURVEY DATA FROM ECG INC. DATED MAY 2, 1996.
2. SITE FEATURES ARE APPROXIMATE.
3. THE LOCATIONS OF STORAGE TANKS ARE APPROXIMATE
4. BORINGS GP-28 THROUGH GP-58 WERE SAMPLED IN SEPTEMBER 2013. BORINGS GP-59 THROUGH GP-66 WERE SAMPLED IN NOVEMBER 2013. BORINGS GP-67 THROUGH GP-70 WERE SAMPLED IN SEPTEMBER 2014. BORINGS GP-71 THROUGH GP-85 WERE SAMPLED IN SEPTEMBER 2016.

LEGEND

- GEOPROBE BORING SAMPLE LOCATION
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL NEST
- ▲ RECOVERY WELL
- PRODUCTION WELL
- ⊕ DRINKING WATER WELL
- ⊕ 1-INCH-DIAMETER MONITORING POINT
- ABOVEGROUND STORAGE TANK (APPROXIMATE LOCATION)
- ⊕ POWER POLE
- ⊕ LIGHT POLE
- X — X — FENCE
- SURFACE WATER DRAINAGE DITCH
- #2 SOLID WASTE MANAGEMENT UNITS

PROPOSED BORING KEY

- A PROPOSED BORING OR 2-INCH WELL LOCATION
- ⊕ SOIL SAMPLES ONLY
- ⊕ GROUNDWATER SAMPLES ONLY
- ⊕ SOIL AND GROUNDWATER SAMPLES
- ⊕ PROPOSED 2-INCH MONITORING WELL LOCATION
- ▲ PROPOSED MID-DEPTH RECOVERY WELL LOCATION
- ⊕ PROPOSED SVE WELL LOCATION



PROPOSED BORING AND WELL LOCATIONS
 WRR ENVIRONMENTAL SERVICES, INC.
 5200 RYDER ROAD
 EAU CLAIRE, WISCONSIN



WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 (µg/l)
JUNE 2013 THROUGH OCTOBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date, Well ID and Lab								
			6/13 ⁽¹⁾	9/13	10/13	9/14		10/14		11/14	
			RW-9	RW-9	RW-9	RW-8	RW-9	RW-8	RW-9	RW-8	RW-9
			Pace	NLS	Pace	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	<2.6	<1.9	<2.6	<4.2	<4.2	4.3	<4.2	<4.2	4.7
Chloroethane	400	80	<0.44	<1.2	2.0	<1.3	<1.3	<1.2	<1.3	<1.3	
1,1-Dichloroethane	850	85	<0.28	2.2	3.5	0.29	0.87	1.5	0.32	0.79	<0.22
cis-1,2-Dichloroethylene	70	7	0.61	8.1	12.5	1.6	1.7	4.1	0.54	1.7	<0.15
Ethylbenzene	700	140	<0.50	5.6	5.1	<0.15	<0.15	<0.25	<0.25	<0.15	<0.15
Isopropyl Ether	NSE	NSE	<0.50	<0.64	<0.50	<0.15	<0.15	0.32	<0.13	0.22	<0.15
Isopropyl Alcohol	3,000*		<40.8	<8.7	<40.8	<7.3	<7.3	14	<8.7	<7.3	<7.3
Methyl-tert-butyl ether	60	12	<0.49	<0.19	0.58	0.24	<0.19	0.92	4.9	3.3	0.93
Methylene Chloride	5	0.5	<0.36	<0.40	0.51	<0.22	<0.22	<0.40	<0.40	<0.22	<0.22
Styrene	100	10	<0.35	0.19	<0.35	<0.097	<0.097	<0.14	<0.14	<0.097	<0.097
Toluene	800	160	<0.44	4.8	8.4	<0.17	<0.17	0.55	<0.16	<0.17	<0.17
Tetrachloroethylene	5	0.5	<0.47	1.2	0.77	<0.14	0.49	<0.22	<0.22	<0.14	<0.14
Trichloroethylene	5	0.5	<0.43	0.69	<0.36	<0.15	0.21	<0.27	<0.27	<0.15	<0.15
1,1,1-Trichloroethane	200	40	4.8	1.8	7.0	<0.20	<0.20	<0.15	0.47	<0.20	0.31
1,1,2-Trichloroethane	5	0.5	<0.17	<0.17	<0.17	<0.17	0.22	<0.18	<0.18	<0.17	<0.17
1,2,4-Trimethylbenzene	480	96	<0.57	0.63	0.58	<0.12	<0.12	<0.28	<0.28	<0.12	<0.12
m-&p-Xylene	2,000	400	<0.82	11	12.6	<0.28	<0.28	<0.52	<0.52	<0.28	<0.28
o-Xylene			<0.50	7.1	6.1	<0.12	<0.12	0.37	<0.17	<0.12	<0.12
Vinyl Chloride	0.2	0.02	<0.18	0.55	1.1	<0.17	0.18	1.1	<0.17	0.24	<0.17
Total VOCs			5.41	43.86	58.74	2.13	3.67	27.16	6.23	6.25	5.94

Compound	NR 140 ES	NR 140 PAL	Sample Date, Well ID and Lab								
			12/14		01/15	02/15		03/15		04/15	
			RW-8	RW-9	RW-9	RW-8	RW-9	RW-8	RW-9	RW-8	RW-9
			NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	6.5	<4.2
Chloroethane	400	80	<1.2	<1.2	<1.3	<1.2	<1.2	<0.59	<0.59	<0.59	<0.59
1,1-Dichloroethane	850	85	0.56	<0.13	0.37	<0.25	0.37	<0.21	0.34	<0.21	0.56
cis-1,2-Dichloroethylene	70	7	0.88	<0.10	0.16	<0.30	<0.30	<0.22	0.28	<0.22	0.37
Ethylbenzene	700	140	<0.25	<0.25	<0.15	<0.22	<0.22	<0.17	<0.17	<0.17	<0.17
Isopropyl Ether	NSE	NSE	0.15	<0.13	<0.15	<0.24	<0.24	<0.21	<0.21	<0.21	<0.21
Isopropyl Alcohol	3,000*		10	18	<7.3	<5.9	7.6	<8.4	<8.4	31	<8.4
Methyl-tert-butyl ether	60	12	0.21	1.4	0.88	<0.28	0.74	0.99	0.25	9.2	0.52
4 Methyl-2-pentanone (MIBK)	500	50	<0.64	<0.64	<0.56	0.63	<0.31	<0.42	<0.42	<0.42	<0.42
Methylene Chloride	5	0.5	<0.40	<0.40	<0.22	<0.25	0.33	0.18	0.73	0.25	0.49
Styrene	100	10	<0.14	<0.14	<0.097	<0.19	<0.19	<0.15	<0.15	<0.15	<0.15
Toluene	800	160	<0.16	<0.16	<0.17	<0.18	<0.18	0.25	<0.20	<0.20	<0.20
Tetrachloroethylene	5	0.5	<0.22	<0.22	0.14	<0.21	<0.21	<0.22	<0.22	<0.22	0.32
Trichloroethylene	5	0.5	<0.27	<0.27	<0.15	<0.31	<0.31	<0.17	<0.17	<0.17	<0.17
1,1,1-Trichloroethane	200	40	<0.15	0.22	0.20	<0.26	<0.26	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	5	0.5	<0.18	<0.18	<0.17	<0.24	<0.24	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	480	96	<0.28	<0.28	<0.12	<0.21	<0.21	<0.17	<0.17	<0.17	<0.17
m-&p-Xylene	2,000	400	<0.52	<0.52	<0.28	<0.42	<0.42	<0.40	<0.40	<0.40	<0.40
o-Xylene			<0.17	<0.17	<0.12	<0.26	<0.26	<0.17	<0.17	<0.17	<0.17
Vinyl Chloride	0.2	0.02	<0.17	<0.17	<0.17	<0.16	<0.16	<0.20	<0.20	<0.20	<0.20
Total VOCs			11.80	19.62	1.75	0.63	9.04	1.42	1.60	46.95	2.26

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 ($\mu\text{g}/\ell$)
JUNE 2013 THROUGH OCTOBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date, Well ID and Lab							
			05/15		06/15		05/16			
			RW-8	RW-9	RW-8	RW-9	RW-2	RW-4	RW-8	RW-9
			NLS	NLS	NLS	NLS	Pace	Pace	Pace	Pace
Acetone	9,000	1,800	<4.2	<4.2	<4.2	<4.2	68.5 J	161	3,340	<3.0
Bromodichloromethane	0.6	0.06	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Bromoform	4.4	0.44	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Chloroethane	400	80	<1.2	<1.2	<1.2	<1.2	68.4	2.5 J	<9.4	<0.37
Chloroform	6	0.6	ND	ND	ND	ND	<25.0	<10.0	ND	ND
Dibromochloromethane	60	6	ND	ND	ND	ND	<5.0	<2.0	ND	ND
Dibromomethane	NSE	NSE	ND	ND	ND	ND	<4.3	<1.7	ND	ND
1,1-Dichloroethane	850	85	<0.25	0.71	<0.25	0.65	99.8	2.0 J	<6.0	0.36 J
1,1-Dichloroethene	7	0.7	ND	ND	ND	ND	30.7	<1.6	ND	ND
1,2-Dichloroethane	5	0.5	ND	ND	ND	ND	5.8 J	<0.67	ND	ND
cis-1,2-Dichloroethylene	70	7	<0.30	1.1	<0.30	0.41	954	1.7 J	<6.4	0.36 J
1,2-Dichloropropane	5	0.5	ND	ND	ND	ND	8.9 J	<0.93	ND	ND
Ethylbenzene	700	140	<0.22	<0.22	<0.22	<0.22	15.8	<2.0	<12.5	<0.50
Isopropyl Ether	NSE	NSE	<0.24	<0.24	<0.24	<0.24	<5.0	<2.0	<12.5	<0.50
Isopropyl Alcohol	3,000*		<5.9	12	<5.9	<5.9	<243	<97.4	<609	<24.3
Methyl-tert-butyl ether	60	12	1.2	0.67	<0.28	<0.28	<1.7	<0.70	<4.4	<0.17
4 Methyl-2-pentanone (MIBK)	500	50	<0.31	<0.31	<0.31	<0.31	260	<8.6	<53.5	<2.1
Methylene Chloride	5	0.5	0.25	0.44	<0.25	<0.25	12.0	1.4 J	<5.8	1.1
Methyl Ethyl Ketone	4000	800	ND	ND	ND	ND	<29.8	23.8 J	1,340	<3.0
Styrene	100	10	<0.19	<0.19	<0.19	<0.19	<5.0	<2.0	<12.5	<0.50
Toluene	800	160	<0.18	<0.18	<0.18	<0.18	188	<2.0	<12.5	<0.50
Tetrachloroethylene	5	0.5	<0.21	<0.21	<0.21	<0.21	41.5	<2.0	<12.5	<0.50
Trichloroethylene	5	0.5	<0.31	<0.31	<0.31	<0.31	27.0	<1.3	<8.3	1.3
1,1,1-Trichloroethane	200	40	<0.26	0.30	<0.26	0.53	1,220	2.3 J	<12.5	2.0
1,1,2-Trichloroethane	5	0.5	<0.24	<0.24	<0.24	<0.24	11.2	<0.79	<4.9	<0.20
1,2,4-Trimethylbenzene	480	96	<0.21	<0.21	<0.21	<0.21	<5.0	<2.0	<12.5	<0.50
m-&p-Xylene	2,000	400	<0.42	<0.42	<0.42	<0.42	<10.0	<4.0	<25.0	<1.0
o-Xylene			<0.26	<0.26	<0.26	<0.26	12.7	<2.0	<12.5	<0.50
Vinyl Chloride	0.2	0.02	<0.16	<0.16	<0.16	<0.16	13.1	<0.70	<4.4	<0.18
Total VOCs			1.45	15.22	0.00	1.59	2,954	161.0	4,680	4.4

TABLE 1

SUMMARY OF DETECTED COMPOUNDS IN RW-2, RW-4, RW-8 & RW-9 ($\mu\text{g}/\text{l}$)
JUNE 2013 THROUGH OCTOBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date, Well ID and Lab			
			10/16			
			RW-2 NLS	RW-4 NLS	RW-8 NLS	RW-9 NLS
Acetone	9,000	<u>1,800</u>	<210	7.5	<u>3,000</u>	26
Bromodichloromethane	0.6	<u>0.06</u>	<9.7	<0.19	<9.7	2.4
Bromoform	4.4	<u>0.44</u>	<7.9	<0.16	13	32
Chloroethane	400	<u>80</u>	<77	35	<77	<0.93
Chloroform	6	<u>0.6</u>	<8.4	<0.17	<8.4	0.59
Dibromochloromethane	60	<u>6</u>	<8.6	<0.17	<8.6	13
Dibromomethane	NSE	<u>NSE</u>	<10	<0.21	<10	0.34
1,1-Dichloroethane	850	<u>85</u>	46	2.7	<9.0	0.21
1,2-Dichloroethane	5	<u>0.5</u>	<9.7	0.24	ND	ND
cis-1,2-Dichloroethylene	70	<u>7</u>	650	0.52	<8.8	0.94
trans 1,2-Dichloroethene	100	<u>20</u>	<7.3	0.46	ND	ND
Ethylbenzene	700	<u>140</u>	<15	<0.30	<15	<0.19
Isopropyl Ether	NSE	<u>NSE</u>	<9.4	<0.19	<9.4	<0.22
Isopropyl Alcohol	3,000*		<250	23	770	49
Methyl-tert-butyl ether	60	<u>12</u>	<11	0.48	<11	<0.21
4 Methyl-2-pentanone (MIBK)	500	<u>50</u>	<20	1.2	<20	<0.54
Methylene Chloride	5	<u>0.5</u>	14	<u>1.8</u>	<9.9	<u>1.3</u>
Methyl Ethyl Ketone	4000	<u>800</u>	<25	0.71	<u>1,500</u>	3.1
Styrene	100	<u>10</u>	<8.0	<0.16	<8.0	<0.19
Toluene	800	<u>160</u>	<9.6	1.7	28	0.44
Tetrachloroethylene	5	<u>0.5</u>	8.7	<u>0.64</u>	<8.3	0.40
Trichloroethylene	5	<u>0.5</u>	<12	<0.24	<12	<u>1.8</u>
1,1,1-Trichloroethane	200	<u>40</u>	340	<0.17	<8.6	2.8
1,1,2-Trichloroethane	5	<u>0.5</u>	18	<0.17	<8.4	<0.20
1,2,4-Trimethylbenzene	480	<u>96</u>	<9.2	<0.18	<9.2	<0.21
m-&p-Xylene	2,000	<u>400</u>	<16	0.49	<16	<0.37
o-Xylene			<7.9	0.18	<7.9	<0.19
Vinyl Chloride	0.2	<u>0.02</u>	<8.1	0.38	<8.1	<0.17
Total VOCs			1,076.7	77.0	5,311	134.3

NOTES:

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

ND = Compound not detected. See lab report for results.

Values above an NR 140 PAL but less than the ES are underlined.

Values above an NR 140 ES are bold.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 9/10/13.

NSE = No NR 140 Enforcement Standard established.

FOOTNOTE:

(1) The June 2013 sample was collected from RW-9 under non-pumping conditions.

WRR ENVIRONMENTAL SERVICES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED FROM RW-8 & RW-9
JUNE 2013 - OCTOBER 2016

Sample Date	Meter Reading Date	Total Volume of Water Removed (gallons)	Total VOC Concentration ($\mu\text{g}/\text{l}$) ⁽¹⁾	Incremental Mass of VOCs Removed (lbs)	Cumulative Estimated Total Mass of VOCs Removed (lbs)
06/11/13	06/13/13	230	5.41	0.00	0.00
09/24/13	09/30/13	8,830	43.86	0.00	0.00
10/30/13	10/31/13	10,069	58.74	0.00	0.00
09/09/14	09/09/14	257,570	2.90	0.06	0.07
10/08/14	10/31/14	372,330	16.70	0.01	0.08
11/12/14	11/12/14	379,270	6.10	0.00	0.08
12/04/15	12/04/14	387,100	15.71	0.00	0.08
01/07/15	01/07/15	393,200	1.75	0.00	0.08
02/04/15	02/04/15	412,620	4.84	0.00	0.08
03/11/15	03/11/15	421,530	1.51	0.00	0.08
04/09/15	04/09/15	428,200	24.61	0.00	0.08
05/05/15	05/05/15	433,500	8.34	0.00	0.08
06/03/15	06/03/15	437,950	0.80	0.00	0.08

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED FROM
RW-2, RW-4, RW-8, & RW-9 (MAY 2016 - DECEMBER 2016)

Sample Date	Meter Reading Date	Total Volume of Water Removed (gallons)	Total VOC Concentration ($\mu\text{g}/\text{l}$) ⁽²⁾	Incremental Mass of VOCs Removed (lbs)	Cumulative Estimated Total Mass of VOCs Removed (lbs)
05/25/16	05/25/16	728,425	1,949.9	2.36	2.44
10/05/16	10/05/16	960,658	1,649.8	3.49	5.93
12/29/16 ⁽³⁾	12/29/16	1,171,933	1,649.8	2.91	8.84

TABLE 2

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED FROM RW-8 & RW-9
JUNE 2013 - OCTOBER 2016

NOTES:

RW-8 and RW-9 were restarted on July 11, 2013.

RW-2 and RW-4 were restarted on July 20, 2015, and RW-10 was started on July 24, 2015.

The water pumped by RW-2, RW-4, RW-8, RW-9, and RW-10 is discharged through the same "combined" flowmeter into the Turbostripper. RW-2, RW-4, RW-8, and RW-9 are not metered separately. RW-10 has a separate flowmeter at its wellhead.

1,523,850 gallons are subtracted from all combined meter readings measured in the field to account for the combined meter's initial reading on July 11, 2013, when RW-8 and RW-9 were restarted.

The adjusted volume of water pumped by RW-10 measured on each date (as shown in Table 8 of GF's February 2017 O&M Report) is subtracted from all combined meter readings after July 2015 to calculate the volume of water pumped from RW-2, RW-4, RW-8, and RW-9.

FOOTNOTES:

(1) Total VOC concentrations between July 2013 and June 2015 were calculated by adding the total VOC concentrations measured in RW-8 and RW-9 on each date and dividing that total by 2.

(2) Total VOC concentrations after June 2015 were calculated by adding the total VOC concentrations measured in RW-2, RW-4, RW-8, and RW-9 on each date and dividing that total by 4.

(3) Because no VOC samples were collected from RW-2, RW-4, RW-8, or RW-9 after October 5, 2016, the total VOC mass removed by RW-10 through December 29, 2016, was calculated by using the total VOC concentrations calculated for October 2016.

Calculation of Incremental Mass of VOCs Removed:

$$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb}/453,600,000 \text{ } \mu\text{g}$$

Where: V_2 = total volume of water pumped on date of sample in gallons

V_1 = total volume of water pumped on date of previous sample used in calculation in gallons

C_2 = total VOC concentration measured on date of sample in $\mu\text{g}/\ell$

C_1 = total VOC concentration measured on previous sample date in $\mu\text{g}/\ell$

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 (µg/l)
OCTOBER 2013 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			10/13	03/14	4/14	5/14	7/14	8/14
			Pace	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	543	2,500	2,800	2,200	6,000	3,800
Benzene	5	0.5	<50.0	32	33	33	<180	<66
Chloroethane	400	80	296	210	230	190	<1,300	<590
1,1-Dichloroethane	850	85	47.4	93	88	88	<220	110
1,2-Dichloroethane	5	0.5	<47.6	14	<12	<11.0	<210	<120
cis-1,2-Dichloroethylene	70	7	301	160	140	110	<150	76
Ethylbenzene	700	140	1,080	120	230	400	<150	560
Isopropyl Alcohol	3,000 ⁽¹⁾		<4,080	3,100	2,200	2,100	<7,300	<4,400
Isopropyl Ether	NSE	NSE	<50.0	24	21	13	<150	<63
Methylene Chloride	5	0.5	51.5	<20	<20	<11	<220	<200
Methyl Ethyl Ketone	4,000	800	<270	580	560	310	<1,000	670
4 Methyl-2-pentanone (MIBK)	500	50	1,110	1,100	810	1,100	<560	960
Toluene	800	160	11,500	7,300	8,200	9,200	7,300	9,500
1,2,4-Trimethylbenzene	480	96	<50.0	38	32	22	<120	<140
1,3,5-Trimethylbenzene			ND	ND	ND	10	<130	<140
m-&p-Xylene	2,000	400	2,310	1,700	1,700	2,000	1,500	2,100
o-Xylene			607	520	490	630	390	630
Vinyl Chloride	0.2	0.02	151	110	99	110	<170	100
Total VOCs			17,454	17,601	17,633	18,516	15,190	18,506

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			9/14	10/14	10/14	11/14	12/14	01/15
			NLS	NLS	Pace	NLS	NLS	NLS
Acetone	9,000	1,800	4,400	3,400	6,660	6,400	4,500	4,700
Benzene	5	0.5	<140	<110	<50.0	<140	<130	<180
Chloroethane	400	80	<1,000	<940	264	<150	<1200	<1300
1,1-Dichloroethane	850	85	<170	<100	139	<170	<130	<220
1,2-Dichloroethane	5	0.5	<170	<190	<16.8	<170	<240	<210
cis-1,2-Dichloroethylene	70	7	<120	98	83.7	<120	<100	<150
Ethylbenzene	700	140	<120	530	401	<120	420	520
Isopropyl Alcohol	3,000 ⁽¹⁾		<5,900	<7,000	3,240	<5,900	<8,700	<7,300
Isopropyl Ether	NSE	NSE	<120	<100	<50.0	<120	<130	<150
Methylene Chloride	5	0.5	<180	<320	<23.3	<180	<400	<220
Methyl Ethyl Ketone	4,000	800	<800	<800	735	<800	<1,000	<1,000
4 Methyl-2-pentanone (MIBK)	500	50	1,500	1,000	1,230	1,200	1,500	1,100
Toluene	800	160	14,000	11,000	11,000	12,000	13,000	12,000
1,2,4-Trimethylbenzene	480	96	<95	<220	<50.0	<95	<280	<120
1,3,5-Trimethylbenzene			<100	<230	<50.0	<100	<280	<130
m-&p-Xylene	2,000	400	2,800	2,500	1,830	2,400	2,500	2,700
o-Xylene			790	770	481	720	780	800
Vinyl Chloride	0.2	0.02	<130	140	87.6	<130	<170	<170
Total VOCs			23,490	19,438	26,151	22,720	22,700	21,820

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 ($\mu\text{g}/\ell$)
OCTOBER 2013 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			02/15	03/15	04/15	05/15	06/15	07/15
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	<4,200	<3,300	<3,300	<3,300	<3,300	<2,100
Benzene	5	0.5	<290	<150	<150	<240	<240	<94
Chloroethane	400	80	<1,200	<470	<470	<980	<980	<300
1,1-Dichloroethane	850	85	<250	<160	<160	<200	<200	<100
1,2-Dichloroethane	5	0.5	<330	<160	<160	<260	<260	<99
cis-1,2-Dichloroethylene	70	7	<300	<180	<180	<240	<240	<110
Ethylbenzene	700	140	900	<140	850	890	850	760
Isopropyl Alcohol	3,000 ⁽¹⁾		<5,900	<6,700	<6,700	<4,700	<4,700	<4,200
Isopropyl Ether	NSE	NSE	<240	<160	<160	<190	<190	<100
Methylene Chloride	5	0.5	<250	<140	<140	<200	<200	<90
Methyl Ethyl Ketone	4,000	800	<1,000	<800	<800	<800	<800	<500
4 Methyl-2-pentanone (MIBK)	500	50	440	810	<330	580	570	350
Toluene	800	160	8,700	10,000	7,600	10,000	7,500	6,100
1,2,4-Trimethylbenzene	480	96	<210	<130	<130	<160	<160	<84
1,3,5-Trimethylbenzene			<260	<160	<160	<210	<210	<100
m-&p-Xylene	2,000	400	2,200	2,400	1,700	2,000	1,600	1,500
o-Xylene			580	690	470	580	350	420
Vinyl Chloride	0.2	0.02	<160	<160	<160	<120	<120	130
Total VOCs			12,820	13,900	10,620	14,050	10,870	9,260

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			08/15	09/15	10/15	11/15	12/15	04/16
			NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	<2,100	<2,000	<830	<830	<830	3,000
Benzene	5	0.5	<150	<140	<38	<59	<59	<48
Chloroethane	400	80	<610	<740	<120	<250	<250	200
1,1-Dichloroethane	850	85	<120	<120	<41	<49	<49	<38
1,2-Dichloroethane	5	0.5	<160	<100	<40	<65	<65	<44
cis-1,2-Dichloroethylene	70	7	<150	<130	<45	<60	<60	<47
Ethylbenzene	700	140	780	885	720	880	680	1,200
Isopropyl Alcohol	3,000 ⁽¹⁾		<2,900	<1,700	<1700	<1,200	<1,200	3,400
Isopropyl Ether	NSE	NSE	<120	<56	<41	<47	<47	<44
Methylene Chloride	5	0.5	190	<120	<36	110	<51	<47
Methyl Ethyl Ketone	4,000	800	<500	<150	<200	<200	<200	700
4 Methyl-2-pentanone (MIBK)	500	50	390	156	<83	<62	<62	1,100
Toluene	800	160	5,100	5,060	2,100	3,100	2,100	11,000
1,2,4-Trimethylbenzene	480	96	<100	<140	<33	<41	<41	44
1,3,5-Trimethylbenzene			<130	<46	<41	<52	<52	<43
m-&p-Xylene	2,000	400	1,600	1,640	1,300	1,700	1,300	2,700
o-Xylene			380	479	360	450	350	770
Vinyl Chloride	0.2	0.02	94	<100	41	48	45	<34
Total VOCs			8,534	8,220	4,521	6,288	4,475	24,114

TABLE 3

SUMMARY OF DETECTED COMPOUNDS IN RW-6 ($\mu\text{g}/\ell$)
OCTOBER 2013 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			05/16	05/16	07/16	08/16	09/16	10/16
			Pace	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	<u>1,800</u>	<u>3,740</u>	<u>6,700</u>	<4,200	<4,200	<3,300	<3,300
Benzene	5	<u>0.5</u>	<50.0	<190	<190	<240	<190	<160
Chloroethane	400	<u>80</u>	<u>273</u>	<1500	<1500	<930	<740	<1,200
1,1-Dichloroethane	850	<u>85</u>	54.6	<180	<180	<190	<150	<140
1,2-Dichloroethane	5	<u>0.5</u>	<16.8	<190	<190	<220	<180	<160
cis-1,2-Dichloroethylene	70	<u>7</u>	<u>39</u>	<180	<180	<240	<190	<140
Ethylbenzene	700	<u>140</u>	978	1,200	910	1,100	880	930
Isopropyl Alcohol	3,000⁽¹⁾		3,910	5,500	<5,000	<4,400	<3,500	<4,000
Isopropyl Ether	NSE	NSE	<50.0	<190	<190	<220	<180	<150
Methylene Chloride	5	<u>0.5</u>	<23.3	<700	<200	<240	<190	<160
Methyl Ethyl Ketone	4,000	<u>800</u>	533.0	<500	<500	<570	<450	<400
4 Methyl-2-pentanone (MIBK)	500	<u>50</u>	1,030	1,100	550	650	570	<320
Toluene	800	<u>160</u>	11,100	15,000	8,700	7,400	7,400	6,700
1,2,4-Trimethylbenzene	480	<u>96</u>	<50.0	<180	<180	<210	<170	<150
1,3,5-Trimethylbenzene			<50.0	<200	<200	<210	<170	<160
m-&p-Xylene	2,000	<u>400</u>	2,450	2,900	1,900	2,000	1,700	1,900
o-Xylene			647	720	550	560	470	540
Vinyl Chloride	0.2	<u>0.02</u>	43.3	<160	<160	<170	<140	<130
Total VOCs			24,798	33,120	12,610	11,710	11,020	10,070

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab			
			11/16	12/16		
			ALS	NLS		
Acetone	9,000	<u>1,800</u>	<2,100	<2,100		
Benzene	5	<u>0.5</u>	<120	<97		
Chloroethane	400	<u>80</u>	<460	<770		
1,1-Dichloroethane	850	<u>85</u>	<94	<90		
1,2-Dichloroethane	5	<u>0.5</u>	<110	<97		
cis-1,2-Dichloroethylene	70	<u>7</u>	<120	<88		
Ethylbenzene	700	<u>140</u>	820	730		
Isopropyl Alcohol	3,000⁽¹⁾		<2,200	<2,500		
Isopropyl Ether	NSE	NSE	<110	<94		
Methylene Chloride	5	<u>0.5</u>	<120	<99		
Methyl Ethyl Ketone	4,000	<u>800</u>	<280	<250		
4 Methyl-2-pentanone (MIBK)	500	<u>50</u>	<270	<u>230</u>		
Toluene	800	<u>160</u>	5,600	5,800		
1,2,4-Trimethylbenzene	480	<u>96</u>	<100	<92		
1,3,5-Trimethylbenzene			<110	<100		
m-&p-Xylene	2,000	<u>400</u>	1,700	<u>1,500</u>		
o-Xylene			460	<u>450</u>		
Vinyl Chloride	0.2	<u>0.02</u>	<85	<81		
Total VOCs			8,580	8,710		

NOTES:

-- = No NR 140 Standard

Values above an NR 140 PAL but less than the ES are underlined.

Values above an NR 140 ES are in bold.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 9/10/13.

Some reported values fall below the Limit of Quantitation set by the lab.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10⁻⁶ cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/halttable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 4

ESTIMATED VOLUME OF WATER AND MASS OF VOCs REMOVED BY RW-6

Sample Date	Meter Reading Date	Total Pumped (gallons) ⁽¹⁾	Total VOC Concentrations (µg/ℓ)	Incremental Amount Removed (lbs)	Cumulative VOCs Removed (lbs)
05/89	05/89	1,096	1,184,030	11	11
12/89	12/89	75,606	1,159,700	729	740
06/90	06/90	119,466	1,118,970	417	1,157
10/90	10/90	261,836	1,476,900	1,542	2,698
6/91 & 7/91	6/91 & 7/91	509,069	751,000	2,298	4,997
4/92 & 5/92	4/92 & 5/92	691,930	1,085,000	1,401	6,397
4/93 & 5/93	4/93 & 5/93	1,099,126	493,000	2,681	9,078
10/93 - 12/93	10/93 - 12/93	1,215,610	1,325,300	884	9,962
4/94 & 5/94	4/94 & 5/94	1,369,029	321,300	1,054	11,016
11/01/94	10/94 & 11/94	1,642,841	118,700	503	11,518
05/08/95	4/95 & 5/95	1,917,548	65,129	211	11,729
05/31/97	12/97	2,357,394	529,708	1,092	12,821
05/31/98	05/98	3,742,984	294,920	4,767	17,588
12/31/99	12/99	8,008,954	98,237	6,998	24,585
05/31/00	05/00	8,922,314	232,390	1,260	25,845
04/30/01	04/01	10,694,054	73,720	2,263	28,108
05/15/02	12/03	13,390,764	98,960	1,943	30,051
12/03	12/03	15,377,614	98,960	1,641	31,692
10/30/13	10/31/13	15,387,344	17,997	4.7	31,696
03/04/14	04/01/14	15,648,760	17,601	38.8	31,735
05/06/14	05/06/14	15,722,110	18,516	11.1	31,746
07/09/14	07/09/14	15,800,900	15,190	11.1	31,757
08/05/14	08/05/14	15,913,010	18,506	15.8	31,773
09/09/14	09/09/14	16,036,320	23,490	21.6	31,795
10/08/14	10/31/14	16,229,670	22,795	37.3	31,832
11/12/14	11/12/14	16,277,750	22,720	9.1	31,841
12/04/14	12/04/14	16,363,270	22,700	16.2	31,857
01/07/15	01/07/15	16,455,540	21,820	17.1	31,875
02/04/15	02/04/15	16,544,590	12,820	12.9	31,887
03/11/15	03/11/15	16,627,200	13,900	9.2	31,897
04/09/15	04/09/15	16,697,770	10,620	7.2	31,904
05/05/15	05/05/15	16,751,300	14,050	5.5	31,909
06/03/15	06/03/15	16,808,080	10,870	5.9	31,915

TABLE 4

ESTIMATED VOLUME OF WATER AND MASS OF VOCs REMOVED BY RW-6

Sample Date	Meter Reading Date	Total Pumped (gallons) ⁽¹⁾	Total VOC Concentrations (µg/ℓ)	Incremental Amount Removed (lbs)	Cumulative VOCs Removed (lbs)
07/08/15	07/08/15	16,855,160	9,260	4.0	31,919
08/04/15	08/04/15	16,897,260	8,534	3.1	31,922
09/09/15	09/09/15	16,947,240	8,220	3.5	31,926
10/14/15	10/14/15	16,991,350	4,521	2.3	31,928
11/04/15	11/04/15	17,026,000	6,288	1.6	31,930
12/03/15	12/03/15	17,053,890	4,475	1.3	31,931
04/05/16	04/05/16	17,108,400	24,114	6.5	31,937
05/04/16	05/04/16	17,202,080	33,120	22.4	31,960
07/12/16	07/12/16	17,375,210	12,610	33.0	31,993
08/10/16	08/10/16	17,435,560	11,710	6.1	31,999
09/06/16	09/06/16	17,500,900	11,020	6.2	32,005
10/05/16	10/05/16	17,551,550	10,070	4.5	32,010
11/03/16	11/03/16	17,592,070	8,580	3.2	32,013
12/06/16	12/06/16	17,649,310	8,710	4.1	32,017

TABLE 4

ESTIMATED VOLUME OF WATER AND MASS OF VOCs REMOVED BY RW-6

NOTES:

VOCs = Total Volatile Organic Compounds measured on sampling date.

The total gallons removed by RW-6 is equal to the meter reading measured on each date plus 8,889,000 gallons to account for periods when the meter was not functioning properly.

FOOTNOTES:

(1) Volumes pumped from 1989 through 2003 are based on Bi-Monthly Progress Reports prepared by WRR and submitted to USEPA; Table 4 of SEH's September 2001 *Evaluation of Supplemental Corrective Action Measures and Plan of Activities* report; and untitled table prepared by Mae Willkom (WDNR) using monthly pumping volumes reported by WRR to USEPA.

(2) Total VOC concentrations for October 1990 and April 1993 based on lab reports of samples analyzed by WRR's laboratory; other Total VOCs from 4/89 through 11/94 based on untitled table provided by WRR (most likely internal lab results); Total VOC concentrations for May 1994 through May 1995 based on Table 10 of Eder Associates December 1996 *RCRA Facility Investigation* report; Total VOC concentrations for May 1997 through April 2001 based on Table A-3 included with SEH's September 2001 *Evaluation of Supplement Corrective Measures and Plan of Activities* report; Total VOC concentrations for May 2002 based on Table 4 prepared and provided by WRR (unpublished - likely update of Table 2 of SEH's September 2001 report); Total VOC concentration for December 2003 and February 2007 equal to May 2002 total VOC concentration.

Calculation of Incremental Mass of VOCs Removed:

$$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb}/453,600,000 \text{ } \mu\text{g}$$

Where: V_2 = total volume of water pumped on date of sample in gallons

V_1 =

total volume of water pumped on date of previous sample used in calculation in gallons

C_2 = total VOC concentration measured on date of sample in $\mu\text{g/l}$

C_1 = total VOC concentration measured on previous sample date in $\mu\text{g/l}$

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (µg/l)
AUGUST 2012 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			08/12	09/12	10/12	11/12	12/12	01/13	02/13
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	5	0.5	<13	<9.8	<26	11	<6.4	<2.6	17
Chloroethane	400	80	120	120	<210	190	210	120	220
1,1-Dichloroethane	850	85	27	40	<19	46	61	42	87
cis-1,2-Dichloroethylene	70	7	<10	<10	<21	7.8	36	35	160
trans-1,2-Dichloroethylene	100	20	<9.7	<13	<19	<6.5	4.9	3.0	5.3
Ethylbenzene	700	140	290	100	310	47	30	<2.2	190
Isopropyl Ether	NSE	NSE	<9.5	<12	<19	7.9	<4.7	5.6	7.8
Methylene Chloride	5	0.5	<20	27	<100	<12	<10	<4.0	<10
Methyl Ethyl Ketone	4,000	800	(1)	(1)	<100	<25	<25	10	<25
Styrene	100	10	<9.7	<8.6	<19	<4.3	<4.9	<1.9	5.8
Toluene	800	160	410	350	1,000	340	220	2.7	850
Tetrachloroethylene	5	0.5	<7.3	<10	<15	<5.2	<3.7	<1.5	<3.7
Trichloroethylene	5	0.5	<12	<8.4	<25	<4.2	<6.2	<2.5	<6.2
1,2,4-Trimethylbenzene	480	96	<12	<9.1	<24	<4.5	<5.9	<2.4	6.7
m-&p-Xylene	2,000	400	750	510	940	500	380	<4.6	660
o-Xylene			220	170	290	180	120	61	200
Vinyl Chloride	0.2	0.02	<7.5	<9.2	<15	<4.6	26	20	61
Total VOCs			1,817	1,317	2,540	1,330	1,088	299	2,471

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			03/13	04/13	05/13	06/13		07/13	08/13
			NLS	NLS	NLS	NLS	Pace	NLS	NLS
Benzene	5	0.5	13	8.0	11	9.3	9.7	12	16
n-Butylbenzene	NSE	NSE	(1)	(1)	(1)	<7.3	2.1	<7.3	<7.3
Chloroethane	400	80	190	130	160	150	178	140	210
1,4-Dichlorobenzene	75	15	(1)	(1)	4	3.8	<2.2	<3.6	<3.6
1,1-Dichloroethane	850	85	110	120	89	68	80	68	95
1,1-Dichloroethene	7	0.7	(1)	(1)	10	<6.1	6.6	<7.2	8.6
1,2-Dichloroethane	5	0.5	(1)	(1)	(1)	<4.4	2.9	<6.1	<6.1
1,2-Dichloropropane	5	0.5	(1)	(1)	(1)	<7.3	2.8	<4.4	<4.4
cis-1,2-Dichloroethylene	70	7	310	450	320	230	263	190	380
trans-1,2-Dichloroethylene	100	20	<25	13	<7.9	<7.9	5.4	<7.9	<7.9
Ethylbenzene	700	140	120	<8.2	72	85	73.9	200	220
Isopropyl Ether	NSE	NSE	<10	<14	7.3	5.9	7.4	7.4	7.3
Methylene Chloride	5	0.5	<32	<20	<10	<10	<1.8	<10	<10
Styrene	100	10	<11	<9.7	<3.5	<3.5	<1.7	<3.5	<3.5
Toluene	800	160	600	42	450	380	343	540	600
Tetrachloroethylene	5	0.5	<17	<8.1	<5.4	<5.4	3.0	<5.4	<5.4
Trichloroethylene	5	0.5	<22	13	<6.8	<6.8	4.6	<6.8	<6.8
1,2,4-Trimethylbenzene	480	96	<22	<8.6	<6.9	<6.9	6.6	<6.9	<6.9
m-&p-Xylene	2,000	400	580	430	450	400	545	470	540
o-Xylene			170	160	150	130	175	130	150
Vinyl Chloride	0.2	0.02	71	69	61	33	37.8	32	84
Total VOCs			2,164	1,435	1,784	1,495	1,747	1,789	2,311

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (µg/l)
AUGUST 2012 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			09/13	10/13		11/13	12/13	01/14	2/14
			NLS	NLS	Pace	NLS	NLS	NLS	NLS
Benzene	5	0.5	14	17	10.2	14	<11	14	<11
Chloroethane	400	80	170	180	164	150	160	150	200
1,1-Dichloroethane	850	85	93	56	90.2	72	110	180	210
1,1-Dichloroethene	7	0.7	<12	<14	6.8	<14	<23	42	45
1,2-Dichloroethane	5	0.5	<9.7	<12	3.4	<12	<19	<19	<19
1,2-Dichloropropane	5	0.5	<7.0	<8.7	3.3	<8.7	<14	<14	15
cis-1,2-Dichloroethylene	70	7	340	110	391	430	710	1,200	1,600
trans-1,2-Dichloroethylene	100	20	<13	<16	8.3	<16	<25	<25	<25
Ethylbenzene	700	140	240	270	149	220	78	60	<20
Isopropyl Ether	NSE	NSE	6.9	7.6	5.1	<6.3	<10	<10	<10
Methylene Chloride	5	0.5	<16	<20	4.0	<20	<32	<32	<32
Toluene	800	160	610	630	506	570	350	450	240
Trichloroethylene	5	0.5	<11	<14	2.7	<14	<22	<22	<22
1,2,4-Trimethylbenzene	480	96	<11	<14	2.6	<21	<22	<22	<22
m-&p-Xylene	2,000	400	520	620	427	570	430	570	430
o-Xylene			130	170	130	150	130	140	130
Vinyl Chloride	0.2	0.02	61	24	49.6	65	88	140	120
Total VOCs			2,185	2,085	1,953	2,241	2,056	2,946	2,990

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			03/14	4/14	5/14	7/14	8/14	9/14	10/14
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	5	0.5	<11	<11	<18	9.8	15	8.4	14
Chloroethane	400	80	190	210	180	77	160	120	200
1,1-Dichloroethane	850	85	160	150	140	63	100	97	91
1,1-Dichloroethene	7	0.7	36	36	34	14	24	21	<12
1,2-Dichloroethane	5	0.5	<19	<19	<21	<8.4	<9.7	<8.4	<9.7
1,2-Dichloropropane	5	0.5	14	14	<18	<7.3	<7.0	<7.3	<7.0
cis-1,2-Dichloroethylene	70	7	1,200	1,100	1,100	420	790	730	460
trans-1,2-Dichloroethylene	100	20	<25	<25	<17	<7.0	<13	<7.0	<13
Ethylbenzene	700	140	61	36	<15	170	150	<5.9	110
Isopropyl Ether	NSE	NSE	<10	<10	<15	<5.8	6.0	7.6	9.6
Methylene Chloride	5	0.5	<32	<32	<22	<8.9	<16	10	<16
Styrene	100	10	<11	<11	<9.7	<3.9	<5.6	<3.9	<5.6
Toluene	800	160	210	180	270	300	460	200	310
Trichloroethylene	5	0.5	<22	<22	<15	<6.0	<11	<6.0	<11
1,2,4-Trimethylbenzene	480	96	<22	<22	<12	<4.8	<11	<4.8	<11
m-&p-Xylene	2,000	400	410	370	470	270	380	380	560
o-Xylene			140	140	130	79	130	140	200
Vinyl Chloride	0.2	0.02	100	100	110	54	110	100	82
Total VOCs			2,521	2,336	2,434	1,457	2,325	1,814	2,037

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (µg/l)
AUGUST 2012 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			10/14	11/14	01/15	02/15	03/15	04/15	05/15
			Pace	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	5	0.5	12.5	12	14	12.0	6.3	<4.7	<7.4
Chloroethane	400	80	223	100	280	170	190	97	140
Dichlorodifluoromethane	1,000	200	<140	9.4	<5.6	<3.4	<2.3	<4.7	<6.9
1,1-Dichloroethane	850	85	91.4	54	80	70	100	70	83
1,1-Dichloroethene	7	0.7	11.9	7.5	<4.5	4.5	8.3	6.7	7.7
1,2-Dichloroethane	5	0.5	2.9	<8.4	<5.3	<4.1	3.0	<5.0	<8.2
1,2-Dichloropropane	5	0.5	3.1	<7.3	<4.6	<2.7	<3.6	<7.2	<5.4
cis-1,2-Dichloroethylene	70	7	471	250	150	160	310	220	250
trans-1,2-Dichloroethylene	100	20	9.7	<7.0	5.6	4.2	5.1	<4.4	<6.3
Ethylbenzene	700	140	110	180	140	45	41	<4.4	<5.6
Isopropyl Ether	NSE	NSE	5.7	<5.8	11	6.7	8.3	<5.2	<5.9
Methylene Chloride	5	0.5	<1.2	<8.9	<5.6	<3.2	3.7	<4.5	<6.3
Styrene	100	10	<2.5	3.9	<2.4	<2.3	3.5	<3.8	<4.7
Toluene	800	160	322	320	300	150	99	13	16
Trichloroethylene	5	0.5	3.1	<6.0	<3.8	<3.8	<2.1	<4.2	<7.6
1,2,4-Trimethylbenzene	480	96	2.5	6.0	7.1	5.1	4.5	<4.2	<5.2
m-&p-Xylene	2,000	400	444	460	580	360	360	190	160
o-Xylene			122	120	200	100	130	66	96
Vinyl Chloride	0.2	0.02	66.8	44	39	40	65	49	60
Total VOCs			1,902	1,567	1,807	1,128	1,338	712	813

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			06/15	07/15	08/15	09/15	10/15	11/15	12/15
			NLS	NLS	NLS	NLS	NLS	NLS	NLS
Benzene	5	0.5	8.1	8.9	7.4	7.7	7.6	11	<2.9
Chloroethane	400	80	110	93	92	130	77	91	87
Dichlorodifluoromethane	1,000	200	4.6	<2.8	<2.8	<3.1	2.6	2.8	<2.8
1,1-Dichloroethane	850	85	50	37	38	40.5	41	42	37
1,1-Dichloroethene	7	0.7	<1.5	<2.5	<2.5	<2.7	<1.5	<2.5	<2.5
1,2-Dichloroethane	5	0.5	<2.0	<3.3	<3.3	<2.1	<2.0	<3.3	<3.3
1,2-Dichloropropane	5	0.5	<2.9	<2.1	<2.1	<2.7	<2.9	<2.1	<2.1
cis-1,2-Dichloroethylene	70	7	93	31	16	9.76	6.5	6.6	5.4
trans-1,2-Dichloroethylene	100	20	2.9	<2.5	<2.5	<2.7	2.1	<2.5	<2.5
Ethylbenzene	700	140	61	45	43	48.3	53	110	<2.2
Isopropyl Ether	NSE	NSE	5.3	6.5	6.3	4.82	3.6	6.1	5.2
Methylene Chloride	5	0.5	<1.8	<2.5	5.0	<2.3	2.1	7.0	<2.5
Styrene	100	10	<1.5	<1.9	<1.9	<2.1	<1.5	<1.9	<1.9
Toluene	800	160	93	64	43	49.7	39	71	<1.8
Trichloroethylene	5	0.5	2.9	3.5	4.8	2.51	<1.7	<3.1	<3.1
1,2,4-Trimethylbenzene	480	96	4.8	5.2	5.9	4.8	5.3	7.1	<2.1
1,3,5-Trimethylbenzene			<2.1	<2.6	<2.6	1.85	<2.1	<2.6	<2.6
m-&p-Xylene	2,000	400	240	250	260	318	280	370	84
o-Xylene			82	76	65	90.9	71	96	58
Vinyl Chloride	0.2	0.02	26	14	9.2	7.72	6.7	7.5	6.9
Total VOCs			784	634	596	717	598	828	284

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 (µg/l)
AUGUST 2012 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			1/16	3/16	04/16	05/16	05/16	06/16	07/16
			NLS	NLS	NLS	Pace	NLS	NLS	NLS
Benzene	5	0.5	23	8.0	8.8	10.8	12.0	9.9	9.6
Chloroethane	400	80	140	120	53	73.4	53	50	57
Dichlorodifluoromethane	1,000	200	<2.8	4.3	4.2	<1.1	<2.8	<3.3	3.3
1,1-Dichloroethane	850	85	51	71	31	39.9	36	34	44
1,1-Dichloroethene	7	0.7	<2.5	<2.0	<2.0	<2.1	<3.2	<3.9	<1.6
1,2-Dichloroethane	5	0.5	<3.3	<2.2	<2.2	<0.84	<3.9	<4.4	<1.9
1,2-Dichloropropane	5	0.5	<2.1	<2.8	<2.8	<1.2	<4.7	<5.5	<2.4
cis-1,2-Dichloroethylene	70	7	9.0	21	6.7	7.9	6.7	8.7	7.6
trans-1,2-Dichloroethylene	100	20	3.4	3.6	<1.7	2.3 J	<2.9	<3.4	1.9
Ethylbenzene	700	140	290	34	190	262	280	220	130
Isopropyl Ether	NSE	NSE	8.6	5.1	3.9	3.6 J	5.1	4.5	3.9
Isopropylbenzene	-	-	2.9	<1.9	<44	1.6 J	<3.4	<3.7	<1.7
Methylene Chloride	5	0.5	2.8	<2.4	<2.4	<1.2	<4.0	<4.7	<2.0
Styrene	100	10	<1.9	<1.9	<1.9	<2.5	3.7	<3.7	<1.6
Toluene	800	160	170	56	61	65.7	89	50	35
Trichloroethylene	5	0.5	<3.1	<3.2	<3.2	3.2 J	<4.7	<6.5	3.3
1,2,4-Trimethylbenzene	480	96	12	5.6	6.1	3.5 J	4.9	6.8	6.9
1,3,5-Trimethylbenzene			4.0	<2.1	<2.1	<2.5	<4.0	<4.3	2.6
m-&p-Xylene	2,000	400	460	290	240	348	350	250	260
o-Xylene			190	92	83	85.3	98	53	59
Vinyl Chloride	0.2	0.02	11	19	7.4	8.3	10	8.5	10
Total VOCs			1,378	730	695	901	948	695	634

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab						
			08/16	09/16	10/16	11/16	12/16		
			NLS	NLS	NLS	NLS	NLS		
Benzene	5	0.5	12	11	11	8.7	11		
Chloroethane	400	80	79	69	52	57	60		
Dichlorodifluoromethane	1,000	200	<1.7	<1.7	4.0	<2.1	3.3		
1,1-Dichloroethane	850	85	50	42	47	46	39		
1,1-Dichloroethene	7	0.7	<2.0	<2.0	<1.6	<2.4	<2.4		
1,2-Dichloroethane	5	0.5	<2.2	<2.2	<1.9	<2.7	<2.7		
1,2-Dichloropropane	5	0.5	<2.8	<2.8	<2.4	<3.5	<3.5		
cis-1,2-Dichloroethylene	70	7	11	8.3	9.0	8.2	8.7		
trans-1,2-Dichloroethylene	100	20	2.9	2.3	2.3	<2.1	<2.1		
Ethylbenzene	700	140	120	130	190	75	170		
Isopropyl Ether	NSE	NSE	6.6	6.3	4.7	5.5	5.4		
Isopropylbenzene	NSE	NSE	<1.9	<1.9	<1.7	<2.3	<2.3		
Methylene Chloride	5	0.5	<2.4	<2.4	<2.0	<3.0	<3.0		
Styrene	100	10	<1.9	<1.9	<1.6	<2.3	<2.3		
Toluene	800	160	25	28	34	29	45		
Trichloroethylene	5	0.5	3.5	<3.2	2.4	<4.0	<4.0		
1,2,4-Trimethylbenzene	480	96	7.7	6.5	6.8	7.1	6.4		
1,3,5-Trimethylbenzene			2.7	2.4	2.2	<2.7	<2.7		
m-&p-Xylene	2,000	400	310	270	270	330	250		
o-Xylene			71	71	75	90	78		
Vinyl Chloride	0.2	0.02	13	11	15	12	12		
Total VOCs			714	658	725	669	689		

TABLE 5

SUMMARY OF DETECTED COMPOUNDS IN RW-7 ($\mu\text{g}/\ell$)
AUGUST 2012 THROUGH DECEMBER 2016

NOTES:

RW-7 was restarted on July 20, 2012, after being off since December 2003.

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

-- = No NR 140 Standard

Values above an NR 140 PAL but less than the ES are underlined.

Values above an NR 140 ES are shown in bold.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 04/28/16.

FOOTNOTE:

(1) Indicates that this compound was not detected before July 2013; the detection limits are only indicated for those compounds for samples collected in or after June 2013.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 6

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY RW-7

Sample Date ⁽¹⁾	Meter Reading Date ⁽²⁾	Total Volume of Water Removed (gallons)	Total VOC Concentration ⁽³⁾ (µg/l)	Incremental Mass of VOCs Removed (lbs)	Cumulative Estimated Total Mass of VOCs Removed (lbs)
10/90	07/91	66,517	1,235,300	686	686
11/94	12/94	76,809	48,675	55	741
05/95	09/95	158,443	2,648	17	758
10/95	12/95	190,077	155,000	21	779
04/96	12/96	213,177	219,870	36	815
05/97	12/97	496,097	83,770	358	1,174
05/98	05/98	1,803,747	117,732	1,099	2,273
12/99	12/99	6,298,347	113,868	4,343	6,616
05/00	05/00	7,446,677	468,520	2,790	9,406
04/01	04/01	9,744,876	103,380	5,484	14,890
05/02	07/02	13,042,926	142,110	3,378	18,268
05/03	06/03	15,597,896	39,230	1,933	20,201
	12/03	16,764,486	39,230	382	20,583
08/12	08/12	16,926,286	1,817	2.5	20,585
09/12	09/12	17,399,006	1,317	6.2	20,591
10/12	10/12	17,452,046	2,540	0.9	20,592
11/12	11/12	17,706,026	1,330	4.1	20,596
12/12	12/12	18,200,706	1,088	5.0	20,601
01/13	01/13	18,651,326	299	2.6	20,604
02/13	02/13	19,004,996	2,471	4.1	20,608
03/13	03/13	19,483,716	2,164	9.3	20,617
04/13	04/13	19,922,956	1,435	6.6	20,624
05/13	05/13	20,315,976	1,770	5.3	20,629
06/13	06/13	20,675,016	1,621	5.1 ⁽⁴⁾	20,634
07/13	07/13	21,082,656	1,789	5.8	20,640
08/13	08/13	21,559,286	2,311	8.2	20,648
09/13	09/13	22,056,306	2,185	9.3	20,658
10/13 - 1	10/15/13	22,255,316	2,085	3.5	20,661
10/13 - 2	10/30/13	22,457,976	1,953	3.4	20,665
11/13	11/13/13	22,623,686	2,241	2.9	20,667
12/13	12/09/13	22,900,716	2,056	5.0	20,672
01/14	01/14/14	23,378,656	2,946	10.0	20,682
02/14	02/20/14	23,817,156	2,990	10.9	20,693
03/14	02/28/14	23,910,206	2,521	2.1	20,695
	04/01/14	24,719,830	2,336	16.4	20,712

TABLE 6

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY RW-7

Sample Date⁽¹⁾	Meter Reading Date⁽²⁾	Total Volume of Water Removed (gallons)	Total VOC Concentration⁽³⁾ (µg/l)	Incremental Mass of VOCs Removed (lbs)	Cumulative Estimated Total Mass of VOCs Removed (lbs)
05/14	05/06/14	25,101,860	2,434	7.6	20,719
07/14	07/09/14	25,861,100	1,457	12.3	20,732
08/14	08/05/14	26,224,990	2,325	5.7	20,737
09/14	09/09/14	26,615,520	1,814	6.7	20,744
10/14	10/31/14	27,159,530	1,970	8.6	20,753
11/14	11/12/14	27,275,280	1,567	1.7	20,754
01/15	01/07/15	27,665,630	1,807	5.5	20,760
02/15	02/04/15	28,097,040	1,128	5.3	20,765
03/15	03/11/15	28,560,750	1,338	4.8	20,770
04/15	04/09/15	29,016,560	712	3.9	20,774
05/15	05/05/15	29,473,180	813	2.9	20,777
06/15	06/03/15	29,771,250	784	2.0	20,779
07/15	07/08/15	29,927,790	634	0.9	20,780
08/15	08/04/15	30,069,120	596	0.7	20,780
09/15	09/09/15	30,249,650	717	1.0	20,781
10/15	10/14/15	30,465,380	598	1.2	20,783
11/15	11/04/15	30,583,550	828	0.7	20,783
12/15	12/03/15	30,760,560	284	0.8	20,784
01/16	01/05/16	30,954,720	1,378	1.3	20,785
03/16	03/02/16	31,548,740	730	5.2	20,791
04/16	04/05/16	31,705,040	695	0.9	20,792
05/16	05/04/16	31,809,010	948	0.7	20,792
06/16	06/07/16	31,954,260	695	1.0	20,793
07/16	07/12/16	32,128,620	634	1.0	20,794
08/16	08/10/16	32,263,240	714	0.8	20,795
09/16	09/06/16	32,383,000	658	0.7	20,796
10/16	10/05/16	32,517,840	725	0.8	20,797
11/16	11/03/16	32,657,080	669	0.8	20,797
12/16	12/06/16	32,816,300	689	0.9	20,798

TABLE 6

ESTIMATED VOLUME OF WATER & MASS OF VOCs REMOVED BY RW-7

NOTE:

Add 9,989,700 gallons to raw meter readings to calculate adjusted total volume pumped from RW-7.

FOOTNOTES:

(1) Meter readings before 2012 were often not recorded when samples were collected early in the operation of RW-7. In those cases, the next available meter reading was used to calculate the incremental mass of VOCs removed from by RW-7.

(2) The volume of water pumped prior to July 2012 was calculated using a combination of meter readings and monthly discharge reports prepared by WRR. There was a 462,634-gallon discrepancy between the calculated volume of water pumped through December 2003 and the actual meter reading on July 20, 2012, before RW-7 was restarted. To account for the discrepancy during that time period, the total VOC concentrations measured in RW-7 in June 2004 were used even though there is no record of RW-7 operating between December 2003 and July 2012. Records of RW-7 operational history are not complete.

(3) Total VOC concentrations for October 1990 are based on a lab report of samples analyzed by WRR's laboratory. Total VOC concentrations for November 1994 through May 1995 are based on Table 10 of Eder Associates' December 1996 *RCRA Facility Investigation* report; total VOC concentration for 11/94 is based on average of VOC concentrations measured in 5/94 (2,074 ppb), 11/94 (143,000 ppb), & 12/94 (951 ppb). Total VOC concentrations for May 1997 through April 2001 are based on Table A-3 included with SEH's September 2001 *Evaluation of Supplement Corrective Measures and Plan of Activities* report. Total VOC concentrations for May 2002 are based on Table 4 prepared and provided by WRR (unpublished, likely an update of Table 2 of SEH's September 2001 report). Total VOC concentrations for May 2003 are based on concentrations measured in nearby well W-21 (RW-7 not sampled in 2003).

(4) Two influent samples were collected from RW-7 on 6/11/13 and analyzed for VOCs by Northern Lakes Services and Pace Analytical Services. The average of the total VOCs was used to calculate the mass of VOCs removed in June 2013.

Calculation of Incremental Mass of VOCs Removed:

$$[(V_2 - V_1) \times (C_2 + C_1) / 2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb}/453,600,000 \text{ } \mu\text{g}$$

Where: V_2 = total volume of water pumped on date of sample in gallons

V_1 = total volume of water pumped on date of previous sample used in calculation in gallons

C_2 = total VOC concentration measured on date of sample in $\mu\text{g/l}$

C_1 = total VOC concentration measured on previous sample date in $\mu\text{g/l}$

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (µg/ℓ)
DECEMBER 2014 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			12/14	09/15	10/15	11/15	11/15	12/15
			Pace	NLS	NLS	NLS	Pace	NLS
Acetone	9,000	1,800	6,860	57,600	57,000	58,000	71,200	35,000
1,1-Dichloroethane	850	85	26.9	<480	<410	<490	<151	<490
cis-1,2-Dichloroethylene	70	7	272	<510	<450	<600	<160	<600
Ethylbenzene	700	140	658	908	<350	820	625	760
Methylene Chloride	5	0.5	<11.6	<460	550	1,300	398	<510
Methyl Ethyl Ketone	4,000	800	8,600	68,900	53,000	59,000	46,800	26,000
4-Methyl-2-Pentanone (MIBK)	500	50	<107	1,240	1,000	2,100	1,490	960
Isopropyl Alcohol	3,000 ⁽¹⁾		5,680	11,600	22,000	21,000	19,500	<12,000
Styrene	100	10	49.6	<420	<310	<370	<312	<370
Tetrachloroethylene	5	0.5	179	<530	<440	<430	<312	<430
Toluene	800	160	11,900	20,500	17,000	17,000	16,500	17,000
1,1,1-Trichloroethane	200	40	1,420	1,490	1,400	1,400	1,190	1,300
1,1,2-Trichloroethane	5	0.5	17.6	<440	<390	<480	<123	<480
Trichloroethylene	5	0.5	847	840	890	1,100	809	920
m-&p-Xylene	2,000	400	2,160	3,570	2,300	2,600	1,910	2,300
o-Xylene			575	922	610	670	462	670
Total VOCs			39,245	167,570	155,750	164,990	160,884	84,910

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			01/16	05/16		06/16	07/16	08/16
			NLS	Pace	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	48,000	64,900	28,000	80,000	47,000	60,000
1,1-Dichloroethane	850	85	<490	<121	<360	<380	<360	<380
cis-1,2-Dichloroethylene	70	7	<600	276	<350	<470	<350	<470
Ethylbenzene	700	140	920	571	630	920	<600	1,100
Methylene Chloride	5	0.5	<510	463	<400	580	<400	<470
Methyl Ethyl Ketone	4,000	800	59,000	78,400	30,000	72,000	32,000	51,000
4-Methyl-2-Pentanone (MIBK)	500	50	1,700	1,550	<790	1,700	1,500	2,300
Isopropyl Alcohol	3,000 ⁽¹⁾		15,000	24,500	<9,900	21,000	16,000	25,000
Styrene	100	10	<370	<250	<320	<370	<320	<370
Tetrachloroethylene	5	0.5	<430	<250	1,100	<440	<330	<440
Toluene	800	160	16,000	14,000	9,700	18,000	15,000	15,000
1,1,1-Trichloroethane	200	40	1,200	831	820	1,400	1,100	1,500
1,1,2-Trichloroethane	5	0.5	<480	<125	<340	<390	<340	<390
Trichloroethylene	5	0.5	810	589	580	690	780	970
m-&p-Xylene	2,000	400	2,500	2,050	1,700	2,800	2,200	3,100
o-Xylene			670	513	400	670	660	870
Total VOCs			145,800	188,643	72,930	199,760	116,240	160,840

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 7

SUMMARY OF DETECTED COMPOUNDS IN RW-10 (µg/ℓ)
DECEMBER 2014 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab					
			09/16	10/16	11/16	12/16		
			NLS	NLS	NLS	NLS		
Acetone	9,000	<u>1,800</u>	51,000	62,000	67,000	60,000		
1,1-Dichloroethane	850	<u>85</u>	<380	<360	<380	<380		
cis-1,2-Dichloroethylene	70	<u>7</u>	<470	390	<470	<470		
Ethylbenzene	700	<u>140</u>	840	<600	1,700	1,400		
Methylene Chloride	5	<u>0.5</u>	<470	530	490	<470		
Methyl Ethyl Ketone	4,000	<u>800</u>	42,000	37,000	80,000	65,000		
4-Methyl-2-Pentanone (MIBK)	500	<u>50</u>	2,000	1,300	2,000	1,900		
Isopropyl Alcohol	3,000⁽¹⁾		17,000	23,000	9,000	18,000		
Styrene	100	<u>10</u>	<370	<320	<370	<370		
Tetrachloroethylene	5	<u>0.5</u>	<440	<330	<440	<440		
Toluene	800	<u>160</u>	16,000	23,000	26,000	20,000		
1,1,1-Trichloroethane	200	<u>40</u>	1,300	1,900	2,100	1,900		
1,1,2-Trichloroethane	5	<u>0.5</u>	<390	<340	<390	<390		
Trichloroethylene	5	<u>0.5</u>	810	1,200	1,100	<650		
m-&p-Xylene	2,000	<u>400</u>	2,600	5,500	5,200	4,200		
o-Xylene			730	1,400	1,500	1,000		
Total VOCs			134,280	157,220	196,090	173,400		

NOTES:

-- = No NR 140 Standard

Values above an NR 140 PAL but less than the ES are underlined.

Values above an NR 140 ES are in bold.

NR 140 ES and PAL values listed on table downloaded from WAC website -

http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 9/10/13.

Some reported values fall below the Limit of Quantitation set by the lab.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website:

<http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 8

ESTIMATED MASS OF VOCs REMOVED BY RW-10

Sample Date	Meter Reading (gallons)	VOC (µg/l)	Amount Removed (lbs)	Cumulative Total (lbs)
12/14 ⁽¹⁾	51,993	39,246	17.03	14.54
09/15	217,334	167,570	142.67	159.7
10/15	333,585	155,750	156.82	316.5
11/15	397,324	106,990	69.87	386.4
12/15	487,178	84,910	71.94	458.3
01/16	598,127	145,800	106.80	565.1
04/16 ⁽²⁾	617,381	145,800	23.42	588.5
05/16	720,975	188,643	144.55	733.1
06/16	818,393	199,760	157.86	891.0
07/12/16	934,309	116,240	152.82	1043.8
08/10/16 ⁽³⁾	1,051,221	160,840	135.15	1,178.9
09/06/16	1,156,341	134,280	129.43	1,308.4
10/05/16	1,320,502	157,220	199.65	1,508.0
11/03/16	1,492,470	196,090	253.49	1,761.5
12/06/16	1,669,297	173,400	272.59	2,034.1

NOTE:

VOCs = Volatile Organic Compounds

FOOTNOTES:

(1) RW-10 was installed and sampled in December 2014 but did not start pumping until July 24, 2015.

(2) The meter for RW-10 froze on several occasions during the winter of 2015-16, even though the well was still operating. As a result of the meter freezing, the total gallons of water pumped by RW-10 cannot be accurately determined. The total flow meter reading shown for April 2016 was the meter reading measured on April 30, 2016, and is likely significantly less than the total volume of water pumped by RW-10 since it was originally started on July 24, 2015. Additionally, no samples were collected from RW-10 between January and April 30, 2016, so the total concentration of VOCs measured in January 2016 were used to calculate the mass of VOCs removed between January and April 2016.

(3) The meter was reset on 8/1/16 after the meter reading (1,018,730 gal.) was recorded. All meter readings after August 2016 shown on this table were calculated by adding 1,018,730 gallons to the meter reading measured in the field.

TABLE 8

ESTIMATED MASS OF VOCs REMOVED BY RW-10

Calculation of Incremental Mass of VOCs Removed:

$$[(v_2 - v_1) \times (C_2 + C_1) / 2] \times 3.785 \text{ l/gal} \times 1 \text{ lb} / 453,600,000 \text{ } \mu\text{g}$$

Where: v_2 = total volume of water pumped on date of sample in gallons

v_1 = total volume of water pumped on date of previous sample used in

C_2 = total VOC concentration measured on date of sample in $\mu\text{g}/\ell$

C_1 = total VOC concentration measured on previous sample date in $\mu\text{g}/\ell$

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 (µg/ℓ)
DECEMBER 2014 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab							
			12/14	06/15	07/15	08/15	09/15	10/15	11/15	12/15
			Pace	Pace	NLS	NLS	NLS	NLS	NLS	NLS
1,1-Dichloroethane	850	85	189	173	250	<250	<240	220	<200	<200
cis-1,2-Dichloroethylene	70	7	1,830	1,930	2,500	2,200	2,410	2,100	1,800	1,800
Ethylbenzene	700	140	4,240	1,670	1,400	970	1,610	<140	780	430
Isopropylbenzene (Cumene)	NSE	NSE	47.6J	22.1	<190	<240	<290	<150	<190	<190
Methylene Chloride	5	0.5	⁽²⁾	<23.3	<180	400	<230	<140	330	<200
n-Propylbenzene	NSE	NSE	69.9J	<50.0	<180	<270	<260	<150	<210	<210
Tetrachloroethylene	5	0.5	62.9J	77.8	<220	<210	<270	<170	<170	<170
Toluene	800	160	16,300	8,250	9,900	8,700	11,600	7,900	7,900	6,800
Trichloroethene	5	0.5	ND	92.8	<170	<310	<180	<130	<240	<240
1,1,1-Trichloroethane	200	40	362	420	670	570	687	540	480	490
1,2,4-Trimethylbenzene	480	96	551	271	240	220	<280	160	170	<160
1,3,5-Trimethylbenzene			150	110	<210	<260	108	<160	<210	<210
m-&p-Xylene	2,000	400	14,100	5,830	5,200	3,900	6,650	3,400	3,700	3,300
o-Xylene			4,770	2,270	1,800	1,400	2,310	1,300	1,400	1,200
Vinyl chloride	0.2	0.02		67	<160	<160	<200	<160	<120	<120
Total VOCs			42,492	21,184	21,960	18,360	25,375	15,620	16,560	14,020

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 ($\mu\text{g}/\ell$)
DECEMBER 2014 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab							
			12/14	1/16	3/16	4/16	5/16		6/16	7/16
			Pace	NLS	NLS	NLS	Pace	NLS	NLS	NLS
Acetone	9,000	1,800	48,000	ND	ND	ND	2,030	2,600	1,900	<5,200
1,1-Dichloroethane	850	85	189	200	190	190	266	300	330	340
cis-1,2-Dichloroethylene	70	7	1,830	1,800	1,600	1,600	2,060	2,500	2,800	2,800
1,2-Dichloropropane	5	0.5	ND	ND	ND	ND	13	<95	<110	<300
Ethylbenzene	700	140	4,240	640	130	290	368	600	730	<380
Isopropylbenzene (Cumene)	NSE	NSE	47.6J	<190	<93	<74	<7.2	<68	<74	<210
Methylene Chloride	5	0.5	⁽²⁾	<200	<120	<95	<11.6	<79	<95	<250
Methyl Ethyl Ketone	4000	800	ND	ND	ND	ND	1,880	910	650	<630
n-Propylbenzene	NSE	NSE	69.9J	<210	<110	<84	<25.0	<80	<84	<250
Isopropyl Alcohol	3,000 ⁽¹⁾		15,000	ND	ND	ND	1,390	<2000	<1,800	<6,200
Tetrachloroethylene	5	0.5	62.9J	<170	<110	<88	<25.0	<66	<88	<210
Toluene	800	160	16,300	7,300	9,900	4,800	6,820	7,800	7,500	18,000
Trichloroethene	5	0.5	ND	<240	<160	<130	<16.5	<94	<130	490
1,1,1-Trichloroethane	200	40	362	590	430	530	612	900	860	1,300
1,2,4-Trimethylbenzene	480	96	551	170	110	180	229	180	280	<230
1,3,5-Trimethylbenzene			150	<210	<110	<85	90.8	80	96	<250
m-&p-Xylene	2,000	400	14,100	1,400	2,000	4,000	5,210	5,500	5,700	5,600
o-Xylene			4,770	4,300	840	1,400	1,840	1,800	1,800	1,900
Vinyl chloride	0.2	0.02		<120	<85	<68	64.0	<64	92	<200
Total VOCs			57,492	16,400	15,200	12,990	22,873	23,170	22,738	30,430

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 ($\mu\text{g}/\ell$)
DECEMBER 2014 THROUGH DECEMBER 2016

Compound	NR 140 ES	NR 140 PAL	Sample Date and Lab								
			8/16	9/16	10/16	11/16	12/16				
			NLS	NLS	NLS	NLS	NLS				
Acetone	9,000	1,800	<5,200	<4,200	<4,200	<4,200	<4,200				
1,1-Dichloroethane	850	85	270	220	300	320	310				
cis-1,2-Dichloroethylene	70	7	2,000	1,500	1,800	1,800	1,500				
1,2-Dichloropropane	5	0.5	<350	<280	<240	<280	<280				
Ethylbenzene	700	140	1,200	1,000	<300	1,200	560				
Isopropylbenzene (Cumene)	NSE	NSE	<230	<190	<170	<190	<190				
Methylene Chloride	5	0.5	<300	<240	<200	<240	<240				
Methyl Ethyl Ketone	4000	800	<710	<570	<500	<570	<570				
n-Propylbenzene	NSE	NSE	<260	<210	<200	<210	<210				
Isopropyl Alcohol	3,000 ⁽¹⁾		<5,500	<4,400	<5,000	<4,400	<4,400				
Tetrachloroethylene	5	0.5	<280	<220	<170	<220	<220				
Toluene	800	160	11,000	11,000	13,000	12,000	9,400				
Trichloroethene	5	0.5	<400	<320	<240	<320	<320				
1,1,1-Trichloroethane	200	40	790	610	910	870	870				
1,2,4-Trimethylbenzene	480	96	270	<210	240	220	<210				
1,3,5-Trimethylbenzene			<270	<210	<200	<210	<210				
m-&p-Xylene			5,800	5,100	5,300	4,900	3,800				
o-Xylene	2,000	400	1,800	1,600	1,800	1,700	1,400				
Vinyl chloride	0.2	0.02	<210	<170	<160	<170	<170				
Total VOCs			23,130	21,030	23,350	23,010	17,840				

TABLE 9

SUMMARY OF DETECTED COMPOUNDS IN RW-11 ($\mu\text{g}/\ell$)
DECEMBER 2014 THROUGH DECEMBER 2016

NOTES:

-- = No NR 140 Standard

Values above an NR 140 PAL but less than the ES are underlined.

Values above an NR 140 ES are in bold.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 9/10/13.

Some reported values fall below the Limit of Quantitation set by the lab.

ND =

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 10

ESTIMATED MASS OF VOCs REMOVED BY RW-11

Sample Date	Meter Reading (gallons)	VOC (µg/ℓ)	Amount Removed (lbs)	Cumulative Total (lbs)
12/14	1,000	42,492	0.35	0.35
06/15	37,181	21,184	9.61	9.97
07/15	91,380	21,960	9.76	19.72
08/15	95,190	18,360	0.64	20.36
09/15	128,466	25,375	6.07	26.44
10/15	170,497	15,620	7.19	33.62
11/15	193,318	16,560	3.06	36.69
12/15	228,625	14,020	4.50	41.19
01/16	269,638	16,400	5.21	46.40
03/16	316,271	15,200	6.15	52.55
04/16	360,230	12,990	5.17	57.72
05/16	394,622	23,170	5.19	62.91
06/16	436,170	22,738	7.96	70.86
07/16	486,013	30,430	11.06	81.92
08/16	532,968	23,130	10.49	92.41
09/16	594,066	21,030	11.26	103.67
10/16	661,736	23,350	12.53	116.20
11/16	724,209	23,010	12.08	128.28
12/16	781,096	17,840	9.70	137.98

NOTES:

VOCs = Volatile Organic Compounds

Add 281,626 gallons to raw meter readings after February 2016 to account for periods when the meter froze and was reset in January and February 2016.

FOOTNOTE:

(1) RW-11 was installed and sampled in December 2014 but did not start pumping until May 15, 2015.

Calculation of Incremental Mass of VOCs Removed:

$$[(v^2 - v^1) \times (C_2 + C_1) / 2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb} / 453,600,000 \text{ µg}$$

Where: v² = total volume of water pumped on date of sample in gallons

v¹ = total volume of water pumped on date of previous sample used in calculation in gallons

c² = total VOC concentration measured on date of sample in µg/ℓ

c¹ = total VOC concentration measured on previous sample date in µg/ℓ

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL (µg/l)
MAY 2011 THROUGH DECEMBER 2016

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	5/11	5/12	6/13	10/13	3/14	4/14
	--	--	NLS	NLS	Pace	Pace	NLS	NLS
Acetone	9,000	1,800	<8.3	<8.3	2,420	2,020	1,700	2,200
1,1-Dichloroethane	850	85	24	17	23.2	26.6	18	25
1,2-Dichloroethane	5	0.5	2.4	1.4	<9.5	<4.8	<12	<12
1,2-Dichloropropane	5	0.5	0.61	0.42	<10	<5.0	<8.7	<8.7
cis-1,2-Dichloroethylene	70	7	2.2	<0.41	30.4	34.8	7.8	9.2
Ethylbenzene	700	140	<0.41	<0.43	34.8	52.3	33	37
Isopropyl Alcohol	3,000 ⁽¹⁾		23	<13	2,830	3,710	1,500	1,800
Methyl Ethyl Ketone (MEK)	4,000	800	2.1	<2	1,220	1,400	920	860
Methyl Isobutyl Ketone (MIBK)	500	50	<1.1	<0.63	112	192	99	77
Tetrachloroethylene	5	0.5	22	9.9	16.2	13	<11	<11
Toluene	800	160	<0.34	<0.46	718	1,070	580	750
1,1,1-Trichloroethane	200	40	4.2	3.7	20.5	87.5	13	15
1,1,2-Trichloroethane	5	0.5	1.1	0.57	<7.8	<3.9	<8.8	<8.8
Trichloroethylene	5	0.5	1.9	0.67	<8.6	<3.6	<14	<14
1,2,4-Trimethylbenzene	480	96	0.58	<0.47	<11.4	<5.0	<14	<14
m-&p-Xylene	2,000	400	6.5	<0.91	94.5	140	79	90
o-Xylene			4	<0.45	28.9	44.2	24	27
Vinyl Chloride	0.2	0.02	0.84	<0.30	9.1	14.2	<8.3	<8.3
Total VOCs			95.43	33.66	7,557.6	8,804.6	4,973.8	5,890.2

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	5/14	7/14	8/14	9/14	10/14	10/14
	--	--	NLS	NLS	NLS	NLS	NLS	Pace
Acetone	9,000	1,800	2,300	3,000	1,400	1,500	970	2,850
1,1-Dichloroethane	850	85	25	37	26	25	25	37.5
1,2-Dichloroethane	5	0.5	<11	<11	<12	<11	<12	<8.4
1,2-Dichloropropane	5	0.5	<9.1	<9.1	<8.7	<9.1	<8.7	<11.7
cis-1,2-Dichloroethylene	70	7	8.4	<7.4	<5.0	<7.4	<5.0	<12.8
Ethylbenzene	700	140	<7.4	<7.4	22	<7.4	21	<25.0
Isopropyl Alcohol	3,000 ⁽¹⁾		1,800	4,600	1,700	1,400	1,600	4,140
Methylene Chloride	5	0.5	<11	<11	<20	<11	<20	13.6
Methyl Ethyl Ketone (MEK)	4,000	800	610	<50	400	390	470	990
Methyl Isobutyl Ketone (MIBK)	500	50	75	130	65	53	69	<107
Tetrachloroethylene	5	0.5	<6.9	7.1	<11	8.0	<11	<25.0
Toluene	800	160	760	680	410	420	420	557
1,1,1-Trichloroethane	200	40	14	<9.8	<7.7	<9.8	<7.7	<25.0
1,1,2-Trichloroethane	5	0.5	<8.5	<8.5	<8.8	<8.5	<8.8	<7.8
Trichloroethylene	5	0.5	<7.5	<7.5	<14	<7.5	<14	<25.0
1,2,4-Trimethylbenzene	480	96	<6.0	<6.0	<14	<6.0	<14	<25.0
m-&p-Xylene	2,000	400	82	85	58	70	63	54.4
o-Xylene			23	28	20	19	21	<25.0
Vinyl Chloride	0.2	0.02	<8.4	<8.4	<8.3	<8.4	<8.3	<8.8
Total VOCs			5,697.4	8,567.1	4,101	3,885	3,659	8,643

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL ($\mu\text{g}/\ell$)
MAY 2011 THROUGH DECEMBER 2016

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	11/14	12/14	01/15	02/15	03/15	04/15
	--	--	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	1,800	1,300	1,400	2,000	1,200	1,000
1,1-Dichloroethane	850	85	23	28	29	42	24	24
1,2-Dichloroethane	5	0.5	<11	<12	<11	<16	<9.9	<9.9
1,2-Dichloropropane	5	0.5	<9.1	<8.7	<9.1	<11	<14	<14
cis-1,2-Dichloroethylene	70	7	<7.4	<5.0	<7.4	<15	<11	<11
Ethylbenzene	700	140	<7.4	29	26	34	<8.7	20
Isopropyl Alcohol	3,000 ⁽¹⁾		1,300	2,000	1,700	2,000	1,400	1,200
Methylene Chloride	5	0.5	<11	<20	<11	<13	<9.0	<9.0
Methyl Ethyl Ketone (MEK)	4,000	800	570	680	550	840	280	270
Methyl Isobutyl Ketone (MIBK)	500	50	47	57	54	59	44	37
Tetrachloroethylene	5	0.5	7.5	<11	<6.9	<11	<11	<11
Toluene	800	160	460	570	590	600	430	450
1,1,1-Trichloroethane	200	40	<9.8	<7.7	<9.8	<13	<10	<10
1,1,2-Trichloroethane	5	0.5	<8.5	<8.8	<8.5	<12	<9.8	<9.8
Trichloroethylene	5	0.5	<7.5	<14	<7.5	<15	<8.3	<8.3
1,2,4-Trimethylbenzene	480	96	<6.0	<14	<6.0	<10	<8.4	<8.4
m-&p-Xylene	2,000	400	77	74	78	89	62	61
o-Xylene			20	21	20	24	17	17
Vinyl Chloride	0.2	0.02	<8.4	<8.3	<8.4	<7.8	<9.8	<9.8
Total VOCs			4,305	4,759	4,447	5,688	3,457	3,079

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	05/15	06/15	07/15	08/15	09/15	10/15
	--	--	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	800	570	560	640	391	460
1,1-Dichloroethane	850	85	23	16	11	16	8.75	6.0
1,2-Dichloroethane	5	0.5	<16	<16	<4.0	<6.5	<5.2	<5.0
1,2-Dichloropropane	5	0.5	<11	<11	<5.7	<4.3	<6.7	<7.2
cis-1,2-Dichloroethylene	70	7	<15	<15	<4.5	<6.0	<6.4	<5.6
Ethylbenzene	700	140	20	17	11	16	10.3	12
Isopropyl Alcohol	3,000 ⁽¹⁾		480	950	970	670	575	1,000
Methylene Chloride	5	0.5	<13	<13	<3.6	<5.1	<5.8	<4.5
Methyl Ethyl Ketone (MEK)	4,000	800	200	290	230	180	153	230
Methyl Isobutyl Ketone (MIBK)	500	50	19	33	30	18	20.4	16
Tetrachloroethylene	5	0.5	<11	<11	<4.4	4.3	<6.6	<5.5
Toluene	800	160	350	340	220	290	222	250
1,1,1-Trichloroethane	200	40	<13	<13	<4.0	<5.3	<6.3	<5.0
1,1,2-Trichloroethane	5	0.5	<12	<12	<3.9	<4.8	<5.5	<4.9
Trichloroethylene	5	0.5	<15	<15	<3.3	<6.1	<4.6	<4.2
1,2,4-Trimethylbenzene	480	96	<10	<10	<3.3	<4.1	<7.0	<4.2
m-&p-Xylene	2,000	400	56	47	31	50	28	32
o-Xylene			15	<13	8.7	12	9.53	9.2
Vinyl Chloride	0.2	0.02	<7.8	<7.8	<3.9	<3.1	<5.0	<4.9
Total VOCs			1,963	2,263	2,071.7	1,896.3	1,418.0	2,015.2

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL ($\mu\text{g}/\ell$)
MAY 2011 THROUGH DECEMBER 2016

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	11/15	12/15	01/16	03/16	04/16	05/16
	--	--	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	920	710	730	1,100	940	2,100
1,1-Dichloroethane	850	85	<6.1	<6.1	<6.1	<4.7	<9.4	<9.0
1,2-Dichloroethane	5	0.5	<8.2	<8.2	<8.2	<5.5	<11	<9.7
1,2-Dichloropropane	5	0.5	<5.4	<5.4	<5.4	<6.9	<14	<12
cis-1,2-Dichloroethylene	70	7	<7.5	<7.5	<7.5	<5.9	<12	<8.8
Ethylbenzene	700	140	15	16	20	22	18	26
Isopropyl Alcohol	3,000 ⁽¹⁾		410	780	1,500	1,500	2,000	3,700
Methylene Chloride	5	0.5	13	<6.3	<6.3	<5.9	<12	<9.9
Methyl Ethyl Ketone (MEK)	4,000	800	180	360	450	660	620	900
Methyl Isobutyl Ketone (MIBK)	500	50	<7.8	11	25	30	<27	45
Tetrachloroethylene	5	0.5	6.1	<5.3	<5.3	5.8	<11	<8.3
Toluene	800	160	300	340	410	590	380	740
1,1,1-Trichloroethane	200	40	<6.6	<6.6	<6.6	<4.9	<9.8	<8.6
1,1,2-Trichloroethane	5	0.5	<6.0	<6.0	<6.0	<4.9	<9.8	<8.4
Trichloroethylene	5	0.5	<7.6	<7.6	<7.6	<8.1	<16	<12
1,2,4-Trimethylbenzene	480	96	<5.2	<5.2	<5.2	<5.2	<10	<9.2
m-&p-Xylene	2,000	400	44	42	53	70	50	77
o-Xylene			11	10	14.0	17	12	18
Vinyl Chloride	0.2	0.02	<3.9	<3.9	<3.9	<4.3	<8.5	<8.1
Total VOCs			1,899.1	2,269	3,202	3,995	4,020	7,606

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	06/16	07/16	08/16	09/16	10/16	11/16
	--	--	NLS	NLS	NLS	NLS	NLS	NLS
Acetone	9,000	1,800	2,600	430	430	310	400	160
1,1-Dichloroethane	850	85	<9.4	<4.5	<4.7	<4.7	<3.6	<1.9
1,2-Dichloroethane	5	0.5	<11	<4.9	<5.5	<5.5	<3.9	<2.2
1,2-Dichloropropane	5	0.5	<14	<5.9	<6.9	<6.9	<4.7	<2.8
cis-1,2-Dichloroethylene	70	7	<12	<4.4	<5.9	<5.9	<3.5	<2.4
Ethylbenzene	700	140	26	<7.5	15	11	<6.0	7
Isopropyl Alcohol	3,000 ⁽¹⁾		860	770	830	500	400	150
Methylene Chloride	5	0.5	<12	<5.0	<5.9	<5.9	<4.0	<2.4
Methyl Ethyl Ketone (MEK)	4,000	800	320	160	190	74	77	36
Methyl Isobutyl Ketone (MIBK)	500	50	<27	18	24	19	14	12
Tetrachloroethylene	5	0.5	<11	<4.1	<5.5	<5.5	<3.3	2.4
Toluene	800	160	480	250	240	190	180	130
1,1,1-Trichloroethane	200	40	<9.8	<4.3	<4.9	<4.9	<3.4	<2.0
1,1,2-Trichloroethane	5	0.5	<9.8	<4.2	<4.9	<4.9	<3.4	<2.0
Trichloroethylene	5	0.5	<16	<5.9	<8.1	<8.1	<4.7	<3.2
1,2,4-Trimethylbenzene	480	96	<10	<4.6	<5.2	<5.2	<3.7	<2.1
m-&p-Xylene	2,000	400	69	34	39	28	26	19
o-Xylene			19	8.8	11.0	8.7	7.4	5.1
Vinyl Chloride	0.2	0.02	<8.5	<4.0	<4.3	<4.3	<3.2	<1.7
Total VOCs			4,374.0	1,670.8	1,779.0	1,140.7	1,104.4	522

TABLE 11

SUMMARY OF DETECTED COMPOUNDS IN WRR PRODUCTION WELL ($\mu\text{g}/\ell$)
MAY 2011 THROUGH DECEMBER 2016

Compound	NR 140	NR 140	Sample Date and Lab					
	ES	PAL	12/16					
	--	--	NLS					
Acetone	9,000	<u>1,800</u>	390					
1,1-Dichloroethane	850	<u>85</u>	<2.3					
1,2-Dichloroethane	5	<u>0.5</u>	<2.4					
1,2-Dichloropropane	5	<u>0.5</u>	<3.0					
cis-1,2-Dichloroethylene	70	<u>7</u>	<2.2					
Ethylbenzene	700	<u>140</u>	9.5					
Isopropyl Alcohol	3,000⁽¹⁾		560					
Methylene Chloride	5	<u>0.5</u>	<2.5					
Methyl Ethyl Ketone (MEK)	4,000	<u>800</u>	96					
Methyl Isobutyl Ketone (MIBK)	500	<u>50</u>	26					
Tetrachloroethylene	5	<u>0.5</u>	<2.1					
Toluene	800	<u>160</u>	<u>190</u>					
1,1,1-Trichloroethane	200	<u>40</u>	<2.2					
1,1,2-Trichloroethane	5	<u>0.5</u>	<2.1					
Trichloroethylene	5	<u>0.5</u>	<3.0					
1,2,4-Trimethylbenzene	480	<u>96</u>	<2.3					
m-&p-Xylene	2,000	<u>400</u>	26					
o-Xylene			7.8					
Vinyl Chloride	0.2	<u>0.02</u>	<2.0					
Total VOCs			1,305.3	0.0	0.0	0.0	0.0	0

NOTES:

The flow rate was increased and began being metered in March 2012.

Samples were analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are listed on this table.

-- = No NR 140 Standard

Underlined values are above an NR 140 PAL but are less than the ES.

Bolded values are above an NR 140 ES.

NR 140 ES and PAL values listed on table downloaded from WAC website - http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf on 9/10/13.

Some reported values fall below the Limit of Quantitation set by the lab.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/halttable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 12

ESTIMATED MASS OF VOCs REMOVED BY PRODUCTION WELL

Sample Date	Meter Reading (gallons)	VOC ($\mu\text{g}/\ell$)	Incremental Amount Removed (lbs)	Cumulative Total (lbs)
05/11	0	106.51	0.00	0.00
05/12	1,267,100	33.66	0.74	0.74
06/13	9,362,600	7,557.6	256.4	257.1
10/13 ⁽¹⁾	11,942,300	8,804.6	176.1	433.2
03/14 ⁽²⁾	14,903,600	4,973.8	170.2	603.5
05/06/14	15,589,000	5,697.4	30.5	634.0
07/09/14	17,022,900	8,567.1	85.3	719.3
08/05/14	17,621,500	4,101.0	31.6	751.0
09/09/14	18,338,000	3,885.0	23.9	774.8
10/08/14	19,297,800	6,151.0	40.2	815.0
11/12/14	19,583,300	4,304.5	12.5	827.5
12/04/14	19,984,800	4,759.0	15.2	842.7
01/07/15	20,547,100	4,447.0	21.6	864.3
02/04/15	21,137,800	5,688.0	25.0	889.2
03/11/15	21,885,200	3,457.0	28.5	917.8
04/09/15	22,616,500	3,079.0	19.9	937.7
05/05/15	23,298,100	1,963.0	14.3	952.0
06/03/15	23,998,700	2,263.0	12.4	964.4
07/08/15	24,860,400	2,071.7	15.6	980.0
08/04/15	25,524,500	1,896.3	11.0	991.0
09/09/15	26,481,100	1,418.0	13.2	1,004.2
10/14/15	27,347,200	2,015.2	12.4	1,016.6
11/04/15	27,816,000	1,899.1	7.7	1,024.3
12/03/15	28,411,400	2,269.0	10.4	1,034.6
01/05/16	29,105,000	3,202.0	15.8	1,050.4
03/02/16	30,381,000	3,994.8	38.3	1,088.8
04/05/16	31,210,300	4,020.0	27.7	1,116.5
05/04/16	31,922,200	7,606.0	34.5	1,151.0
06/07/16	32,747,200	4,374.0	41.2	1,192.3
07/12/16	33,664,900	1,670.8	23.1	1,215.4
08/10/16	34,459,600	1,779.0	11.4	1,226.8

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 12

ESTIMATED MASS OF VOCs REMOVED BY PRODUCTION WELL

Sample Date	Meter Reading (gallons)	VOC (µg/l)	Incremental Amount Removed (lbs)	Cumulative Total (lbs)
09/06/16	35,015,300	1,140.7	6.8	1,233.6
10/05/16	35,628,500	1,104.4	5.7	1,239.4
11/03/16	36,199,600	522.0	3.9	1,243.2
12/06/16	36,724,200	1,305.3	4.0	1,247.2

NOTE:

VOCs = Volatile Organic Compounds

FOOTNOTES:

(1) Meter reading estimated for 10/29/13 based on average flow rate measured in September 2013.

(2) Total VOC concentrations based on sample collected on 3/27/14. The meter reading was recorded on 4/1/14.

Calculation of Incremental Mass of VOCs Removed:

$$[(V_2 - V_1) \times (C_2 + C_1)/2 \times 3.785 \text{ l/gal}] \times 1 \text{ lb}/453,600,000 \text{ µg}$$

Where: V_2 = total volume of water pumped on date of sample in gallons

V_1 = total volume of water pumped on date of previous sample used in calculation in gallons

C_2 = total VOC concentration measured on date of sample in µg/l

C_1 = total VOC concentration measured on previous sample date in µg

With the exception of the first sample date shown on the table, all VOC concentrations used to calculate the incremental mass of VOCs removed during a given time period are the average of the total VOC concentrations measured on the current and previous sample dates.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 13

SUMMARY OF VOCs DETECTED IN EXHAUST/SOIL GAS SAMPLES
COLLECTED DURING/AFTER SVE PILOT TESTS ($\mu\text{g}/\text{m}^3$)
FEBRUARY 2015 - DECEMBER 2016

Detected Compounds	CAS #	Sample Type, Well(s) Sampled, and Date					
		Pilot Test Samples		SVE Exhaust Samples			
		RW-10	RW-11	RW-11	RW-10 & RW-11		
		02/10/15	02/10/15	08/03/16	09/15/16	10/17/16	12/20/16
Acetone	67-64-1	<63,000	<6,000	<47,000	<130,000	110,000	12,000
2-Butanone (MEK)	78-93-3	66,000	<6,000	<47,000	<130,000	250,000	14,000
Cyclohexane	110-82-7	24,000	2,100	23,000	53,000	<9,100	4,800
Dichlorodifluoromethane (CFC 12)	75-71-8	<6,300	5,000	<4,700	<13,000	<4,500	<1,100
1,1-Dichloroethane	75-34-3	<6,300	3,800	21,000	<13,000	<4,500	5,700
cis-1,2-Dichloroethene	156-59-2	28,000	40,000	120,000	120,000	18,000	17,000
Ethyl Acetate	141-78-6	140,000	6,100	<9,300	86,000	58,000	3,200
Ethylbenzene	100-41-4	15,000	2,900	14,000	140,000	43,000	9,500
n-Heptane	142-82-5	8,200	840	11,000	32,000	6,100	2,300
n-Hexane	110-54-3	<6,300	<600	6,600	<13,000	<4,500	<1,100
Methylene Chloride	75-09-2	13,000	<600	<4,700	55,000	5,000	1,300
n-Nonane	111-84-2	<6,300	<600	<4,700	<13,000	<4,500	1,800
n-Octane	111-65-9	<6,300	<600	8,500	19,000	5,200	2,600
Toluene	108-88-3	910,000	120,000	550,000	2,500,000	860,000	140,000
1,1,1-Trichloroethane	71-55-6	42,000	13,000	170,000	110,000	32,000	33,000
Trichloroethene	79-01-6	18,000	3,000	32,000	160,000	36,000	14,000
Trichlorotrifluoroethane	76-13-1	20,000	51,000	240,000	59,000	14,000	40,000
Tetrachloroethene	127-18-4	16,000	2,600	15,000	71,000	24,000	13,000
Tetrahydrofuran	109-99-9	<6,300	3,100	<4,700	<13,000	8,400	<1,100
Vinyl Chloride	75-01-4	<6,300	9,900	9,600	<13,000	<4,500	<1,100
m&p-Xylene	179601-23-1	46,000	9,100	66,000	510,000	160,000	68,000
o-Xylene	95-47-6	6,300	1,400	19,000	90,000	31,000	19,000
Total VOCs (= sum of detected VOCs)		1,352,500	273,840	1,305,700	4,005,000	1,660,700	401,200

NOTES:

Concentrations are in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

February 2015 samples were collected at the end of the pilot test on RW-10 and after the pilot test had been completed on RW-11.

Samples were analyzed for a full suite of VOCs using EPA Method TO-15. Only compounds detected in one or more samples are listed on this table.

WRR ENVIRONMENTAL SERVICES, INC.
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TABLE 14

ESTIMATED AIR EMISSIONS OF PCE AND TOTAL VOCs FROM THE SVE SYSTEM

Date and Time	Elapsed Time (hr)	Run Time ⁽¹⁾ (hr)	Vacuum (inch wc)		Te (F)	Run Time (%)	Dual-Phase Well(s) Online		Flow Rate		Tetrachloroethene (PCE)			Total VOCs			FN
			Blower Inlet	System Manifold			RW-10	RW-11	(scfm)	(ft ³ /hr)	Conc. (µg/m ³)	Rate (lb/hr)	Cumulative (lb)	Conc. (µg/m ³)	Rate (lb/hr)	Cumulative (lb)	
7/6/16 15:00	started	0	50		220			X	240	14,400	15,000	0.0135	0.0	1,305,700	1.17	0	(2)
7/22/16 12:45	off	382	50		220	100		X	240	14,400	15,000	0.0135	5.1	1,305,700	1.17	448	(2)
8/3/16 8:20	on	382	50		220			X	240	14,400	15,000	0.0135	5.1	1,305,700	1.17	448	
9/13/16 9:00	985	1,366	78	90	220	100	X	X	162	9,696	71,000	0.0430	18.4	4,005,000	2.4	1,603	(3)
9/15/16 9:45	49	1,415	78	96	230	100	X	X	162	9,696	71,000	0.0430	20.5	4,005,000	2.4	1,721	
10/17/16 13:00	771	2,186	96	96	246	100	X	X	111	6,672	24,000	0.0100	40.9	1,660,700	0.69	2,922	
12/20/16 12:30	1,535	3,721	90	90	266	100	X	X	128	7,680	13,000	0.0062	53.4	401,200	0.19	3,600	
NR445.07 Table A thresholds for PCE & NR406 emission limit for total VOCs												9.11	301 lb/yr	5.7			

NOTES:

Run Time = Run time of the SVE blower (Rotron Model EN858 with 7.5-hp motor).

Flow Rate = Volumetric flow rate (ranges 7,200-14,400 ft³/hr, as a function of vacuum, based on the blower performance curve).

Conc. = Measured concentration (for detected compounds).

Rate = Emission rates (lb/hr) calculated by multiplying the flow rate, in ft³/hr, by the measured concentration, in µg/m³, by 6.24E-11 to convert from µg/m³ to lb/ft³.

Cumulative emissions routinely calculated by multiplying the average emission rate during a period by the difference in run times at the beginning and end of that period and adding the cumulative mass from the previous period. However, only the 8/3/16 rates applied for the 8/3/16-9/13/16 period because RW-10 was brought online on 9/13/16.

FOOTNOTES:

(1) Operation of the SVE system began on 7/6/16. It was temporarily shutdown from 7/22/16 to 8/3/16, but has been in continuous operation since then with only one hour of downtime through 12/20/16. Run time is calculated by adding the elapsed time from previous sampling period to prior run time total.

(2) No SVE exhaust gas sample collected; PCE and total VOC data shown are based on measured concentrations in 8/3/16 sample.

(3) No SVE exhaust gas sample collected; PCE and total VOC data shown are based on measured concentrations in 9/15/16 sample.

EXAMPLE CALCULATIONS:

VOC emission rate on 8/3/16:

$$\frac{14,400 \text{ ft}^3}{\text{hr}} \times \frac{1,305,700 \text{ } \mu\text{g}}{\text{m}^3} \times 6.24\text{E-}11 \frac{\text{lb}}{\text{ft}^3} = 1.17 \text{ lb/hr}$$

Cumulative total VOC emissions from 7/6/16 to 7/22/16:

$$\frac{(1.17+1.17) \text{ lb/hr}}{2} \times (382-0 \text{ hr}) + 0 \text{ lb} = 448 \text{ lb}$$

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 13

GROUNDWATER MONITORING SCHEDULE
UPDATED SEPTEMBER 2016

Sample Point Name	WDNR Well ID	Sampling Frequency
Production Well	010	Q
Drinking Water Well	020	SA
Lowes Creek Park Hand Pump ⁽¹⁾	040	A
W-1 ⁽³⁾	100	A
W-1A ⁽³⁾	103	SA
W-1D	109	SA
W-2	112	A
W-2A	115	A
W-2B	118	A
W-3	121	A
W-3A	124	A
W-3B	127	A
W-4	130	A
W-5	133	SA
W-6	136	SA
W-7	139	SA
W-7A	142	SA
W-17	169	A
W-17A	172	SA
W-17B	175	SA
W-18 ⁽³⁾	178	SA
W-18A ⁽³⁾	181	SA
W-19R	185	SA
W-20 ⁽³⁾	187	A
W-22 ⁽³⁾	193	SA
W-26	205	SA
W-27	208	SA
W-28	211	SA
W-29 ⁽³⁾	214	A
W-30A	217	A
W-30B	220	A
W-31A	223	SA
W-31B	226	SA

Sample Point Name	WDNR Well ID	Sampling Frequency
W-32	228	SA
W-33	233	SA
MW-106 ⁽²⁾	330	A
MW-106A ⁽²⁾	333	A
MW-111	357	SA
MW-111A	360	SA
MW-111B	363	SA
MW-112	366	A
MW-112A	369	A
MW-112B	372	A
MW-113	375	A
MW-113A	378	A
MW-113B	381	A
MW-114	384	A
MW-114A	387	A
MW-114B	390	A
MW-115	393	SA
MW-115A	396	SA
MW-115B	399	SA
MW-116	402	A
TW-1	404	SA
RW-5	512	SA
RW-6	515	Q
RW-7	518	Q
RW-10	527	Q
RW-11	530	Q
Seep 2N (2nd Seep N)	610	A
Seep 7N	612	A
Seep 8N	614	A
Seep 9N	616	A
Method Blank	995	1 per event
Field Blank	997	1 per event
Trip Blank	999	1 per cooler
Duplicate		1 per 10 samples

NOTES:

A = Annual sample in April/May of each year.

SA = Semi-annual sampling in April/May and October/November of each year.

Q = Quarterly sampling; recovery wells only sampled on a quarterly basis when pumping.

FOOTNOTES:

(1) Sampling of Lowes Creek Hand Pump should be "prior to placement of the well into use for the season".

(2) MW-105 and MW-105A originally proposed and approved for monitoring, but are abandoned. MW-106 and MW-106A are the next closest wells.

(3) Wells W-1, W-1A, W-18, W-18A, W-20, W-22, and W-29 are wells to be monitored during 2nd quarter of each year per WPDES Permit No. WI-0058718-04-0.

(4) Shaded wells W-18, W-18A, W-22, and W-29: If concentrations of acetone, MEK, or MIBK exceed 50% of their respective ES concentration during a sampling event, quarterly sampling from the well(s) where the exceedance occurred shall commence and continue until the levels drop below 50% of the ES for two consecutive quarters per WPDES Permit No. WI-0058718-04-0.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 14

GROUNDWATER ELEVATIONS (APRIL 2012 THROUGH NOVEMBER 2015)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	April 30, 2012		October 1, 2012		June 26, 2013		October 28, 2013	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-1	100	893.58	5.04	888.54	NM	NM	2.65	890.93	4.79	888.79
W-1A	103	893.68	20.75	872.93	21.63	872.05	19.26	874.42	20.91	872.77
W-1D	109	895.00	22.27	872.73	22.50	872.50	20.20	874.80	21.72	873.28
W-2	112	899.21	Dry	Dry	Dry	Dry	11.56	887.65	14.31	884.90
W-2A	115	900.17	28.71	871.46	NM	NM	27.85	872.32	28.09	872.08
W-2B	118	900.03	NM	NM	20.74	NM	18.89	881.14	18.90	881.13
W-3	121	902.22	15.50	886.72	NM	NM	12.62	889.60	14.74	887.48
W-3A	124	903.79	31.40	872.39	NM	NM	30.51	873.28	30.79	873.00
W-3B	127	904.14	20.91	883.23	NM	NM	19.63	884.51	19.36	884.78
W-4	130	903.20	19.84	883.36	NM	NM	17.82	885.38	18.49	884.71
W-5	133	899.47	12.69	886.78	14.23	885.24	9.75	889.72	12.88	886.59
W-6	136	900.88	Dry	Dry	Dry	Dry	14.28	886.60	Dry	Dry
W-7	139	904.18	20.96	883.22	21.51	882.67	19.32	884.86	19.78	884.40
W-7A	142	905.33	23.53	881.80	24.23	881.10	22.17	883.16	22.27	883.06
W-8	145	905.89	NM	NM	NM	NM	NM	NM	NM	NM
W-9	148	896.49	11.89	884.60	NM	NM	NM	NM	Abandoned 9/13	
W-10	151	892.93	NM	NM	11.59	881.34	NM	NM	9.66	883.27
MW-10A	154	891.78	NM	NM	24.46	867.32	NM	NM	23.40	868.38
W-11	157	890.95	NM	NM	11.59	879.36	NM	NM	9.87	881.08
W-16	166	898.87	13.41	885.46	NM	NM	NM	NM	Abandoned 9/13	
W-17	169	891.97	13.62	878.35	NM	NM	7.84	884.13	12.38	879.59
W-17A	172	890.11	35.33	854.78	36.11	854.00	34.37	855.74	35.54	854.57
W-17B	175	890.38	32.03	858.35	33.00	857.38	30.98	859.40	33.12	857.26
W-18	178	890.69	6.65	884.04	8.71	881.98	2.44	888.25	5.83	884.86
W-18A	181	890.82	25.72	865.10	26.72	864.10	25.21	865.61	26.21	864.61
W-19	184	893.16	24.90	868.26	NM	NM	NM	NM	Abandoned 9/13	
W-20	187	892.86	23.72	869.14	24.74	868.12	21.77	871.09	24.33	868.53
W-21	190	890.08	31.55	858.53	NM	NM	NM	NM	Abandoned 9/13	
W-22	193	891.19	32.87	858.32	33.84	857.35	32.45	858.74	34.54	856.65
W-23	196	894.70	NM	NM	NM	NM	NM	NM	6.05	888.65
W-24	199	895.08	NM	MN	NM	NM	NM	NM	7.31	887.77
W-25	202	895.08	NM	MN	NM	NM	NM	NM	6.63	888.45
W-26	205	892.37	30.71	861.66	31.83	860.54	29.56	862.81	31.34	861.03
W-27	208	888.86	36.31	852.55	37.23	851.63	35.81	853.05	37.08	851.78
W-28	211	893.36	NM	NM	10.48	882.88	NM	NM	8.56	884.80
W-29	214	892.26	10.19	882.07	NM	NM	4.45	887.81	9.43	882.83
W-30A	217	875.57	21.82	853.75	NM	NM	20.94	854.63	22.07	853.50
W-30B	220	876.33	20.81	855.52	NM	NM	19.84	856.49	21.02	855.31
MW-101	300	894.10	10.06	884.04	NM	NM	NM	NM	Abandoned 9/13	
MW-101A	303	893.82	NM	NM	20.74	NM	NM	NM	19.54	874.28

TABLE 14

GROUNDWATER ELEVATIONS (APRIL 2012 THROUGH NOVEMBER 2015)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	April 30, 2012		October 1, 2012		June 26, 2013		October 28, 2013	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
MW-102	306	892.27	NM	NM	11.74	NM	NM	NM	9.70	882.57
MW-102A	309	892.62	NM	NM	22.43	NM	NM	NM	20.91	871.71
MW-103	312	892.18	NM	NM	Dry	Dry	NM	NM	Dry	Dry
MW-103A	315	891.82	NM	NM	27.31	NM	NM	NM	26.61	865.21
MW-104	318	890.46	NM	NM	16.02	NM	NM	NM	12.27	878.19
MW-104A	321	890.74	NM	NM	34.27	NM	NM	NM	34.12	856.62
MW-106	330	892.88	10.73	882.15	NM	NM	6.24	886.64	10.06	882.82
MW-106A	333	892.89	27.49	865.40	NM	NM	25.1	867.79	27.14	865.75
MW-107	336	893.90	NM	NM	NM	NM	NM	NM	9.89	884.01
MW-107A	339	893.65	NM	NM	NM	NM	NM	NM	22.55	871.10
MW-108	342	894.85	NM	NM	13.07	881.78	NM	NM	10.70	884.15
MW-108A	345	894.79	NM	NM	21.14	873.65	NM	NM	19.43	875.36
MW-109	348	896.98	NM	NM	NM	NM	NM	NM	12.81	884.17
MW-110	354	894.91	NM	NM	NM	NM	NM	NM	10.82	884.09
MW-111	357	888.11	41.80	846.31	42.40	845.71	41.59	846.52	42.01	846.10
MW-111A	360	888.24	41.72	846.52	42.33	845.91	41.49	846.75	42.01	846.23
MW-111B	363	888.07	38.71	849.36	39.42	848.65	38.34	849.73	38.88	849.19
MW-112	366	886.26	35.68	850.58	NM	NM	35.39	850.87	25.99	860.27
MW-112A	369	886.08	35.50	850.58	NM	NM	35.11	850.97	35.82	850.26
MW-112B	372	886.29	35.69	850.60	NM	NM	35.25	851.04	35.91	850.38
MW-113	375	890.59	41.47	849.12	NM	NM	41.25	849.34	41.67	848.92
MW-113A	378	890.83	41.64	849.19	NM	NM	41.37	849.46	41.88	848.95
MW-113B	381	890.81	41.05	849.76	NM	NM	40.73	850.08	41.26	849.55
MW-114	384	890.15	31.35	858.80	32.46	857.69	31.90	858.25	34.04	856.11
MW-114A	387	889.95	34.15	855.80	34.96	854.99	33.17	856.78	34.45	855.50
MW-114B	390	890.01	34.02	855.99	34.80	855.21	33.05	856.96	34.03	855.98
MW-115	393	889.14	36.82	852.32	37.56	851.58	36.04	853.10	37.03	852.11
MW-115A	396	888.42	36.13	852.29	36.88	851.54	35.36	853.06	36.36	852.06
MW-115B	399	888.54	36.10	852.44	36.78	851.76	35.29	853.25	36.17	852.37
MW-116	402	889.80	9.10	880.70	NM	NM	3.23	886.57	9.48	880.32
RW-5	512	903.75	20.40	883.35	20.82	882.93	20.40	883.35	NM	NM

TABLE 14

GROUNDWATER ELEVATIONS (APRIL 2012 THROUGH NOVEMBER 2015)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 14, 2014		October 8, 2014		June 10, 2015		November 3, 2015	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-1	100	893.58	2.44	891.14	NM	NM	2.26	891.32	2.77	890.81
W-1A	103	893.68	19.74	873.94	18.61	875.07	20.03	873.65	19.11	874.57
W-1D	109	895.00	21.57	873.43	19.45	875.55	20.88	874.12	19.95	875.05
W-2	112	899.21	13.43	885.78	NM	NM	13.40	885.81	13.00	886.21
W-2A	115	900.17	28.34	871.83	NM	NM	27.89	872.28	26.95	873.22
W-2B	118	900.03	19.74	880.29	NM	NM	18.97	881.06	17.70	882.33
W-3	121	902.22	13.10	889.12	NM	NM	13.26	888.96	13.33	888.89
W-3A	124	903.79	30.77	873.02	NM	NM	30.46	873.33	29.70	874.09
W-3B	127	904.14	NM	NM	NM	NM	19.51	884.63	18.30	885.84
W-4	130	903.20	19.03	884.17	NM	NM	18.13	885.07	17.00	886.20
W-5	133	899.47	9.40	890.07	10.48	888.99	11.00	888.47	10.85	888.62
W-6	136	900.88	NM	NM	Dry	Dry	Dry	Dry	Dry	Dry
W-7	139	904.18	20.40	883.78	16.81	887.37	19.22	884.96	18.32	885.86
W-7A	142	905.33	22.81	882.52	19.75	885.58	22.18	883.15	21.38	883.95
W-8	145	905.89	NM	NM	NM	NM	NM	NM	NM	NM
W-10	151	892.93	3.72	889.21	NM	NM	NM	NM	NM	NM
MW-10A	154	891.78	22.76	869.02	NM	NM	NM	NM	NM	NM
W-11	157	890.95	3.90	887.05	NM	NM	NM	NM	NM	NM
W-17	169	891.97	9.35	882.62	NM	NM	9.74	882.23	10.04	881.93
W-17A	172	890.11	35.05	855.06	34.00	856.11	34.60	855.51	34.39	855.72
W-17B	175	890.38	32.32	858.06	30.22	860.16	21.14	869.24	30.93	859.45
W-18	178	890.69	2.38	888.31	2.57	888.12	2.41	888.28	2.45	888.24
W-18A	181	890.82	27.73	863.09	25.80	865.02	23.51	867.31	24.75	866.07
W-19R	185	892.30	NI	NI	NI	NI	25.36	866.94	22.48	869.82
W-20	187	892.86	NM	NM	NM	NM	22.8	870.06	22.1	870.76
W-22	193	891.19	33.68	857.51	31.41	859.78	32.12	859.07	32.03	859.16
W-23	196	894.70	3.62	891.08	NM	NM	NM	NM	NM	NM
W-24	199	895.08	NM	NM	NM	NM	4.96	890.12	5.10	889.98
W-25	202	895.08	NM	NM	NM	NM	NM	NM	NM	NM
W-26	205	892.37	30.42	861.95	28.80	863.57	29.81	862.56	29.48	862.89
W-27	208	888.86	36.31	852.55	35.40	853.46	35.74	853.12	35.73	853.13
W-28	211	893.36	5.30	888.06	5.58	887.78	6.35	887.01	6.27	887.09
W-29	214	892.26	4.41	887.85	NM	NM	5.45	886.81	5.89	886.37
W-30A	217	875.57	21.53	854.04	NM	NM	21.18	854.39	21.08	854.49
W-30B	220	876.33	20.51	855.82	NM	NM	20.10	856.23	19.98	856.35
W-31A	223	902.86	NI	NI	NI	NI	20.86	882.00	20.28	882.58
W-31B	226	902.94	NI	NI	NI	NI	24.21	878.73	24.90	878.04
MW-101A	303	893.82	18.79	875.03	NM	NM	NM	NM	NM	NM
MW-102	306	892.27	4.59	887.68	NM	NM	NM	NM	NM	NM
MW-102A	309	892.62	19.96	872.66	NM	NM	NM	NM	NM	NM
MW-103	312	892.18	4.99	887.19	NM	NM	NM	NM	NM	NM
MW-103A	315	891.82	25.64	866.18	NM	NM	NM	NM	NM	NM

TABLE 14

GROUNDWATER ELEVATIONS (APRIL 2012 THROUGH NOVEMBER 2015)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 14, 2014		October 8, 2014		June 10, 2015		November 3, 2015	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
MW-104	318	890.46	10.34	880.12	NM	NM	NM	NM	NM	NM
MW-104A	321	890.74	33.36	857.38	NM	NM	NM	NM	NM	NM
MW-106	330	892.88	7.75	885.13	NM	NM	8.53	884.35	8.42	884.46
MW-106A	333	892.89	26.71	866.18	NM	NM	26.11	866.78	25.55	867.34
MW-107	336	893.90	8.45	885.45	Abandoned 9/14		Abandoned 9/14		Abandoned 9/14	
MW-107A	339	893.65	22.61	871.04	Abandoned 9/14		Abandoned 9/14		Abandoned 9/14	
MW-108	342	894.85	9.41	885.44	NM	NM	NM	NM	NM	NM
MW-108A	345	894.79	19.76	875.03	NM	NM	NM	NM	NM	NM
MW-109	348	896.98	11.22	885.76	Abandoned 9/14		Abandoned 9/14		Abandoned 9/14	
MW-110	354	894.91	6.77	888.14	Abandoned 9/14		Abandoned 9/14		Abandoned 9/14	
MW-111	357	888.11	41.65	846.46	41.31	846.80	41.44	846.67	41.31	846.80
MW-111A	360	888.24	41.58	846.66	41.23	847.01	41.34	846.90	41.26	846.98
MW-111B	363	888.07	38.45	849.62	37.94	850.13	38.21	849.86	38.11	849.96
MW-112	366	886.26	35.53	850.73	NM	NM	35.33	850.93	35.21	851.05
MW-112A	369	886.08	35.35	850.73	NM	NM	35.15	850.93	35.06	851.02
MW-112B	372	886.29	35.42	850.87	NM	NM	35.20	851.09	35.14	851.15
MW-113	375	890.59	41.33	849.26	NM	NM	41.22	849.37	NM	NM
MW-113A	378	890.83	41.47	849.36	NM	NM	41.41	849.42	NM	NM
MW-113B	381	890.81	40.80	850.01	NM	NM	40.81	850.00	NM	NM
MW-114	384	890.15	30.06	860.09	NM	NM	31.37	858.78	31.35	858.80
MW-114A	387	889.95	33.95	856.00	NM	NM	33.47	856.48	33.28	856.67
MW-114B	390	890.01	33.69	856.32	NM	NM	33.55	856.46	33.32	856.69
MW-115	393	889.14	36.57	852.57	35.76	853.38	36.31	852.83	36.05	853.09
MW-115A	396	888.42	35.90	852.52	35.09	853.33	35.7	852.72	35.4	853.02
MW-115B	399	888.54	35.77	852.77	35.03	853.51	35.62	852.92	35.38	853.16
MW-116	402	889.80	3.24	886.56	NM	NM	4.50	885.30	5.61	884.19
RW-5	512	903.75	NM	NM	NM	NM	NM	NM	NM	NM

NOTES:

NI = Well not installed on date of measurement

NM = Not measured

- Reference elevation data for W-1 through W-29 and MW-101 through MW-110 taken from ECG Inc.'s 05/02/96 "Site Plan - Waste Research and Reclamation" showing revised monitoring well elevations.

- Reference elevation for W-30A, W-30B, MW-103, and MW-103A from WRR level survey conducted 9/19/07.

- Reference elevation for W-111 through MW-113B based on table with groundwater monitoring well information prepared by SEH dated January 14, 2005.

- Reference elevations for well nests MW-113 through MW-115 and well MW-116 based on SEH survey conducted in May 2010.

- Reference elevations for wells W-19R, W-31A, and W-31B were surveyed by Gannett Fleming in December 2014.

TABLE 14

GROUNDWATER ELEVATIONS (MAY THROUGH OCTOBER 2016)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 25, 2016		October 3, 2016	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-1	100	893.58	2.63	890.95	2.9	890.68
W-1A	103	893.68	18.66	875.02	17.0	876.68
W-1D	109	895.00	19.56	875.44	17.9	877.10
W-2	112	899.21	12.12	887.09	9.7	889.51
W-2A	115	900.17	26.35	873.82	24.9	875.27
W-2B	118	900.03	17.22	882.81	15.1	884.93
W-3	121	902.22	13.62	888.60	11.2	891.02
W-3A	124	903.79	29.11	874.68	27.8	875.99
W-3B	127	904.14	18.03	886.11	15.2	888.94
W-4	130	903.20	16.22	886.98	13.9	889.30
W-5	133	899.47	11.12	888.35	9.1	890.37
W-6	136	900.88	Dry	Dry	Dry	Dry
W-7	139	904.18	17.62	886.56	16.7	887.48
W-7A	142	905.33	20.78	884.55	18.1	887.23
W-8	145	905.89	NM	NM	NM	NM
W-10	151	892.93	NM	NM	NM	NM
MW-10A	154	891.78	NM	NM	NM	NM
W-11	157	890.95	NM	NM	NM	NM
W-17	169	891.97	9.84	882.13	9.0	882.97
W-17A	172	890.11	33.70	856.41	33.2	856.91
W-17B	175	890.38	29.70	860.68	29.2	861.18
W-18	178	890.69	3.65	887.04	2.45	888.24
W-18A	181	890.82	25.26	865.56	22.59	868.23
W-19R	185	892.30	22.55	869.75	20.7	871.60
W-20	187	892.86	21.95	870.91	20.2	872.66
W-22	193	891.19	30.93	860.26	30.4	860.79
W-23	196	894.70	NM	NM	NM	NM
W-24	199	895.08	NM	NM	NM	NM
W-25	202	895.08	NM	NM	NM	NM
W-26	205	892.37	28.70	863.67	27.9	864.47
W-27	208	888.86	34.69	854.17	34.7	854.16
W-28	211	893.36	16.13	877.23	4.7	888.66
W-29	214	892.26	6.00	886.26	4.7	887.56
W-30A	217	875.57	20.61	854.96	20.3	855.27
W-30B	220	876.33	19.51	856.82	19.1	857.23
W-31A	223	902.86	25.41	877.45	17.4	885.46
W-31B	226	902.94	19.71	883.23	19.9	883.04
W-32	788	899.36	NI	NI	12.7	886.66

TABLE 14

GROUNDWATER ELEVATIONS (MAY THROUGH OCTOBER 2016)

Well ID	WDNR Well ID	Reference Elevation (ft MSL)	May 25, 2016		October 3, 2016	
			Depth to Water (ft)	GW Elevation (ft MSL)	Depth to Water (ft)	GW Elevation (ft MSL)
W-33	787	901.26	NI	NI	10.1	891.16
MW-101A	303	893.82	NM	NM	NM	NM
MW-102	306	892.27	NM	NM	NM	NM
MW-102A	309	892.62	NM	NM	NM	NM
MW-103	312	892.18	NM	NM	NM	NM
MW-103A	315	891.82	NM	NM	NM	NM
MW-104	318	890.46	NM	NM	NM	NM
MW-104A	321	890.74	NM	NM	NM	NM
MW-106	330	892.88	7.90	884.98	7.4	885.48
MW-106A	333	892.89	24.65	868.24	23.4	869.49
MW-108	342	894.85	NM	NM	NM	NM
MW-108A	345	894.79	NM	NM	NM	NM
MW-111	357	888.11	40.95	847.16	41.2	846.91
MW-111A	360	888.24	40.72	847.52	40.2	848.04
MW-111B	363	888.07	37.65	850.42	37.5	850.57
MW-112	366	886.26	34.60	851.66	34.6	851.66
MW-112A	369	886.08	34.45	851.63	34.5	851.58
MW-112B	372	886.29	34.63	851.66	34.4	851.89
MW-113	375	890.59	40.49	850.10	40.2	850.39
MW-113A	378	890.83	40.74	850.09	40.5	850.33
MW-113B	381	890.81	40.14	850.67	39.8	851.01
MW-114	384	890.15	30.44	859.71	29.9	860.25
MW-114A	387	889.95	33.50	856.45	32.2	857.75
MW-114B	390	890.01	33.20	856.81	32.2	857.81
MW-115	393	889.14	35.65	853.49	35.1	854.04
MW-115A	396	888.42	35.25	853.17	34.4	854.02
MW-115B	399	888.54	35.12	853.42	34.4	854.14
MW-116	402	889.80	6.10	883.70	4.0	885.80
RW-5	512	903.75	17.54	886.21	NM	NM

NOTES:

NI = Well not installed on date of measurement

NM = Not measured

- Reference elevation data for W-1 through W-29 and MW-101 through MW-110 taken from ECG Inc.'s 05/02/96 "Site Plan - Waste Research and Reclamation" showing revised monitoring well elevations.

- Reference elevation for W-30A, W-30B, MW-103, and MW-103A from WRR level survey conducted 9/19/07.

- Reference elevation for W-111 through MW-113B based on table with groundwater monitoring well information prepared by SEH dated January 14, 2005.

- Reference elevations for well nests MW-113 through MW-115 and well MW-116 based on SEH survey conducted in May 2010.

- Reference elevations for wells W-19R, W-31A, and W-31B were surveyed by Gannett Fleming in December 2014.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 17

MEASURED VERTICAL GRADIENT (OCTOBER 2016)

Well ID	WDNR Well ID	Ground Surface Elevation (ft MSL)	Top of Casing Elevation (ft MSL)	Top of Screened Interval (ft MSL)	Bottom of Screened Interval (ft MSL)	October 2016 Data		
						Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)
W-1	100	892.24	893.58	890.24	885.24	2.9	890.68	
W-1A	103	892.64	893.68	855.64	852.64	17.0	876.68	-0.3831
W-1D	109	892.64	895.00	849.64	844.64	17.9	877.10	-0.3119
W-2	112	898.52	899.21	889.52	884.52	9.7	889.51	
W-2A	115	898.02	900.17	793.02	788.02	24.9	875.27	-0.1439
W-2B	118	897.92	900.03	847.92	842.92	15.1	884.93	-0.1039
W-3	121	901.66	902.22	891.66	886.66	11.2	891.02	
W-3A	124	902.86	903.79	794.86	789.86	27.8	875.99	-0.1523
W-3B	127	902.16	904.14	846.16	841.16	15.2	888.94	-0.0439
W-7	139	900.53	904.18	888.03	878.03	16.7	887.48	
W-7A	142	900.53	905.33	873.03	868.03	18.1	887.23	-0.0147
W-17	169	888.32	891.97	886.12	875.32	9.0	882.97	
W-17A	172	888.32	890.11	793.32	788.32	33.2	856.91	-0.2828
W-17B	175	888.32	890.38	844.32	839.32	29.2	861.18	-0.5295
W-18	178	888.24	890.69	884.74	874.74	2.45	888.24	
W-18A	181	888.24	890.82	838.24	833.24	22.59	868.23	-0.3811
W-30A	217	872.07	875.57	762.07	757.07	20.3	855.27	
W-30B	220	872.83	876.33	749.33	744.33	19.1	857.23	0.0025
W-31A	223	900.37	902.86	860.16	855.16	17.4	885.46	
W-31B	226	900.37	902.94	839.64	834.64	19.9	883.04	-0.0295
MW-106	330	890.96	892.88	880.96	875.96	7.4	885.48	
MW-106A	333	890.96	892.89	853.96	848.96	23.4	869.49	-0.4700
MW-111	357	885.59	888.11	850.59	840.59	41.2	846.91	
MW-111A	360	885.59	888.24	820.59	815.59	40.2	848.04	0.0392
MW-111B	363	885.51	888.07	790.51	785.51	37.5	850.57	0.0621
MW-112	366	883.88	886.26	853.88	843.88	34.6	851.66	
MW-112A	369	883.43	886.08	828.43	823.43	34.5	851.58	-0.0031
MW-112B	372	883.87	886.29	798.87	793.87	34.4	851.89	0.0042
MW-114	384	886.65	890.15	861.70	846.70	29.9	860.25	
MW-114A	387	886.45	889.95	787.25	782.25	32.2	857.75	-0.0331
MW-114B	390	886.51	890.01	751.51	746.51	32.2	857.81	-0.0219

TABLE 17

MEASURED VERTICAL GRADIENT (OCTOBER 2016)

Well ID	WDNR Well ID	Ground Surface Elevation (ft MSL)	Top of Casing Elevation (ft MSL)	Top of Screened Interval (ft MSL)	Bottom of Screened Interval (ft MSL)	October 2016 Data		
						Depth to Water (ft)	GW Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-115	393	885.64	889.14	795.44	790.44	35.1	854.04	
MW-115A	396	884.92	888.42	775.80	770.80	34.4	854.02	-0.0002
MW-115B	399	885.04	888.54	745.94	740.94	34.4	854.14	0.0009

NOTES:

Vertical gradients are calculated based on difference between groundwater elevations measured in water table well and each piezometer.

- Top of casing and ground surface elevations for W-1 through W-29 and MW-101 through MW-110 taken from ECG Inc.'s 05/02/96 "Site Plan - Waste Research and Reclamation" showing revised monitoring well elevations.
- Top of casing elevation for W-30A, W-30B, MW-103, and MW-103A from WRR level survey conducted 9/19/07.
- Top of casing and ground surface elevations for W-111 through MW-113B based on table with groundwater monitoring well information prepared by SEH dated January 14, 2005.
- Top of casing elevations for well nests MW-113 through MW-115 and well MW-116 based on SEH survey conducted in May 2010.
- Ground surface elevations were not surveyed for wells W-30A&B, MW-114A&B, and MW-115A&B. The ground surface elevations were derived by subtracting 3.5 ft from the top of casing elevations (TOC - 3.5).

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-71		GP-72			
	2.5-5	5-7.5	2.5-5	5-7.5		
Chlorinated Compounds						
2-Chlorotoluene	219	<25.0	<500	<200	NSE	NSE
1,1-Dichloroethane	200	<25.0	1,440	414 J	23,700	438.4
1,2-Dichlorobenzene	830	<25.0	<500	370 J	376,000	1,168
1,3-Dichlorobenzene	123	<25.0	<500	<200	297,000	1,152.8
1,4-Dichlorobenzene	390	<25.0	<500	<200	17,500	144
cis-1,2-Dichloroethene	2,680	42.5 J	10,600	3,470	2,040,000	41
Methylene Chloride	33.0 J	28.0 J	566 J	<200	1,070,000	2.6
Tetrachloroethene	1,180	<25.0	88,100	35,900	153,000	4.5
1,1,1-Trichloroethane	1,730	<25.0	64,400	23,300	640,000	140.2
1,1,2-Trichloroethane	<25.0	<25.0	2,430	1,290	7,340	3.2
Trichloroethene	89.6	<25.0	11,700	4,880	8,810	3.6
Petroleum-Based Compounds						
sec-Butylbenzene	57.1 J	<25.0	<500	<200	145,000	NSE
Ethylbenzene	174	<25.0	1,040 J	791	37,000	1,570
Isopropylbenzene (Cumene)	38.4 J	<25.0	<500	<200	268,000	NSE
p-Isopropyltoluene	145	<25.0	<500	233 J	162,000	NSE
Naphthalene	189 J	<40.0	<801	<320	26,000	658.2
n-Propylbenzene	59.0 J	<25.0	<500	<200	264,000	NSE
Toluene	105	<25.0	1,240 J	871	818,000	1,107.2
1,2,4-Trimethylbenzene	227	<25.0	552 J	422 J	219,000	1,382.1
1,3,5-Trimethylbenzene	1,340	<25.0	<500	381 J	182,000	
m&p-Xylene	184	<50.0	2,050 J	1,810		
o-Xylene	1,260	<25.0	2,370	1,520	260,000	3,960

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-73		GP-74			
	2.5-5	7.5-10	2.5-5	7.5-10		
Chlorinated Compounds						
1,1-Dichloroethane	3,630	<25.0	<25.0	38.7 J	23,700	438.4
1,2-Dichlorobenzene	<500	<25.0	459	<25.0	376,000	1,168
1,3-Dichlorobenzene	<500	<25.0	195	<25.0	297,000	1,152.8
1,4-Dichlorobenzene	<500	<25.0	146	<25.0	17,500	144
cis-1,2-Dichloroethene	103,000	61.2 J	40.0 J	145	2,040,000	41
Methylene Chloride	1,220 J	31.5 J	<25.0	31.2 J	1,070,000	2.6
Tetrachloroethene	13,700	<25.0	142	<25.0	153,000	4.5
1,1,1-Trichloroethane	185,000	33.4 J	70.6 J	<25.0	640,000	140.2
Trichloroethene	2,570	<25.0	<25.0	<25.0	8,810	3.6
Petroleum-Based Compounds						
Ethylbenzene	18,900	<25.0	<25.0	<25.0	37,000	1,570
Naphthalene	1,610 J	<40.0	<40.0	<40.0	26,000	658.2
Toluene	146,000	<25.0	<25.0	<25.0	818,000	1,107.2
1,2,4-Trimethylbenzene	3,630	<25.0	<25.0	<25.0	219,000	1,382.1
1,3,5-Trimethylbenzene	2,840	<25.0	<25.0	<25.0	182,000	
m&p-Xylene	93,200	<50.0	<50.0	<50.0	260,000	3,960
o-Xylene	42,600	<25.0	<25.0	<25.0		

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-76		GP-77			
	2.5-5	10-12.5	5-7.5	12.5-15		
Chlorinated Compounds						
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	NSE	NSE
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<u>23,700</u>	438.4
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>376,000</u>	1,168
1,3-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>297,000</u>	1,152.8
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>17,500</u>	144
cis-1,2-Dichloroethene	<25.0	<25.0	52.1 J	27.7 J	<u>2,040,000</u>	41
Methylene Chloride	<25.0	<25.0	<25.0	<25.0	<u>1,070,000</u>	2.6
Tetrachloroethene	<25.0	<25.0	2,280	33.8 J	<u>153,000</u>	4.5
1,1,1-Trichloroethane	<25.0	<25.0	995	83.1	<u>640,000</u>	140.2
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<u>7,340</u>	3.2
Trichloroethene	<25.0	<25.0	1,610	101	<u>8,810</u>	3.6
Petroleum-Based Compounds						
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<u>145,000</u>	NSE
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>37,000</u>	1,570
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<25.0	<u>268,000</u>	NSE
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<u>162,000</u>	NSE
Naphthalene	<40.0	<40.0	<40.0	<40.0	<u>26,000</u>	658.2
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<u>264,000</u>	NSE
Toluene	<25.0	<25.0	<25.0	<25.0	<u>818,000</u>	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>219,000</u>	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>182,000</u>	
m&p-Xylene	<50.0	<50.0	<50.0	<50.0	<u>260,000</u>	3,960
o-Xylene	<25.0	<25.0	<25.0	<25.0		

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\text{kg}$)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-78		GP-79			
	0.5-2.5	12.5-15	0.5-2.5	10-12.5		
Chlorinated Compounds						
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	NSE	NSE
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<u>23,700</u>	438.4
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>376,000</u>	1,168
1,3-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>297,000</u>	1,152.8
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>17,500</u>	144
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<u>2,040,000</u>	41
Methylene Chloride	<25.0	<25.0	<25.0	<25.0	<u>1,070,000</u>	2.6
Tetrachloroethene	31.9 J	<25.0	83.1	<25.0	<u>153,000</u>	4.5
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<u>640,000</u>	140.2
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<u>7,340</u>	3.2
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<u>8,810</u>	3.6
Petroleum-Based Compounds						
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<u>145,000</u>	NSE
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>37,000</u>	1,570
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<25.0	<u>268,000</u>	NSE
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<u>162,000</u>	NSE
Naphthalene	<40.0	<40.0	<40.0	<40.0	<u>26,000</u>	658.2
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<u>264,000</u>	NSE
Toluene	<25.0	<25.0	<25.0	<25.0	<u>818,000</u>	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>219,000</u>	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>182,000</u>	
m&p-Xylene	<50.0	<50.0	<50.0	<50.0	<u>260,000</u>	3,960
o-Xylene	<25.0	<25.0	<25.0	<25.0		

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)				Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-80		GP-81			
	0.5-2.5	10.0-12.5	0.5-2.5	10-12.5		
Chlorinated Compounds						
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	NSE	NSE
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<u>23,700</u>	438.4
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>376,000</u>	1,168
1,3-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>297,000</u>	1,152.8
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<u>17,500</u>	144
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<u>2,040,000</u>	41
Methylene Chloride	<25.0	<25.0	<25.0	<25.0	<u>1,070,000</u>	2.6
Tetrachloroethene	32.5 J	<25.0	71.9	<25.0	<u>153,000</u>	4.5
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<u>640,000</u>	140.2
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<u>7,340</u>	3.2
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<u>8,810</u>	3.6
Petroleum-Based Compounds						
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<u>145,000</u>	NSE
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>37,000</u>	1,570
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<25.0	<u>268,000</u>	NSE
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<u>162,000</u>	NSE
Naphthalene	<40.0	<40.0	<40.0	<40.0	<u>26,000</u>	658.2
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<u>264,000</u>	NSE
Toluene	<25.0	<25.0	<25.0	42.9 J	<u>818,000</u>	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>219,000</u>	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<u>182,000</u>	
m&p-Xylene	<50.0	<50.0	<50.0	<50.0	<u>260,000</u>	3,960
o-Xylene	<25.0	<25.0	<25.0	<25.0		

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\text{kg}$)

Parameter	Boring ID & Depth (ft bgs)			Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-82		GP-83		
	0.5-2.5	12.5-15	0.5-2.5		
Chlorinated Compounds					
2-Chlorotoluene	<25.0	<25.0	<25.0	NSE	NSE
1,1-Dichloroethane	<25.0	<25.0	<25.0	<u>23,700</u>	438.4
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<u>376,000</u>	1,168
1,3-Dichlorobenzene	<25.0	<25.0	<25.0	<u>297,000</u>	1,152.8
1,4-Dichlorobenzene	<25.0	<25.0	<25.0	<u>17,500</u>	144
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<u>2,040,000</u>	41.2
Methylene Chloride	<25.0	<25.0	<25.0	<u>1,070,000</u>	2.6
Tetrachloroethene	65.4	<25.0	<25.0	<u>153,000</u>	4.5
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<u>640,000</u>	140.2
1,1,2-Trichloroethane	<25.0	<25.0	<25.0	<u>7,340</u>	3.2
Trichloroethene	<25.0	<25.0	<25.0	<u>8,810</u>	3.6
Petroleum-Based Compounds					
sec-Butylbenzene	<25.0	<25.0	<25.0	<u>145,000</u>	NSE
Ethylbenzene	<25.0	<25.0	<25.0	<u>37,000</u>	1,570
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<u>268,000</u>	NSE
p-Isopropyltoluene	<25.0	<25.0	<25.0	<u>162,000</u>	NSE
Naphthalene	<40.0	<40.0	<40.0	<u>26,000</u>	658.2
n-Propylbenzene	<25.0	<25.0	<25.0	<u>264,000</u>	NSE
Toluene	<25.0	<25.0	<25.0	<u>818,000</u>	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<u>219,000</u>	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<u>182,000</u>	
m&p-Xylene	<50.0	<50.0	<50.0	<u>260,000</u>	3,960
o-Xylene	<25.0	<25.0	<25.0		

TABLE 18

ANALYTICAL RESULTS OF SOIL SAMPLES (SEPTEMBER 2016)
SUMMARY OF DETECTED COMPOUNDS (µg/kg)

Parameter	Boring ID & Depth (ft bgs)		Industrial Direct Contact RCL	Groundwater Pathway RCL
	GP-84			
	0.5-2.5	2.5-5.0		
Chlorinated Compounds				
Chloroethane	<838	191 J	<u>2,120,000</u>	226.6
2-Chlorotoluene	<312	<50.0	<u>NSE</u>	NSE
1,2-Dichlorobenzene	1,370	752	<u>376,000</u>	1,168
1,3-Dichlorobenzene	<312	<50.0	<u>297,000</u>	1,152.8
1,4-Dichlorobenzene	<312	114 J	<u>17,500</u>	144
1,1-Dichloroethane	14,900	3,950	<u>23,700</u>	483.4
1,2-Dichloroethane	2,980	470	<u>NSE</u>	2.8
cis-1,2-Dichloroethene	62,000	13,300	<u>2,040,000</u>	41.2
1,2-Dichloropropane	<312	61.2 J	<u>6,620</u>	3.3
Methylene Chloride	30,200	6,400	<u>1,070,000</u>	2.6
Tetrachloroethene	11,400	7,560	<u>153,000</u>	4.5
1,1,1-Trichloroethane	77,500	19,200	<u>640,000</u>	140.2
1,1,2-Trichloroethane	1,170	401	<u>7,340</u>	3.2
Trichloroethene	6,140	4,730	<u>8,810</u>	3.6
Vinyl Chloride	<312	67.7 J	<u>NSE</u>	0.1
Petroleum-Based Compounds				
n-Butylbenzene	<312	725	<u>108,000</u>	NSE
sec-Butylbenzene	<312	253	<u>145,000</u>	NSE
Ethylbenzene	7,100	5,140	<u>37,000</u>	1,570
Isopropylbenzene (Cumene)	462 J	583	<u>268,000</u>	NSE
p-Isopropyltoluene	<312	576	<u>162,000</u>	NSE
Naphthalene	2,140 J	1,060	<u>26,000</u>	658.2
n-Propylbenzene	<312	456	<u>264,000</u>	NSE
Toluene	24,900	11,800	<u>818,000</u>	1,107.2
1,2,4-Trimethylbenzene	1,530	3,100	<u>219,000</u>	1,382.1
1,3,5-Trimethylbenzene	809	1,140	<u>182,000</u>	
m&p-Xylene	37,200	29,800	<u>260,000</u>	3,960
o-Xylene	12,200	11,900		

NOTES:

All soil samples collected in September 2016 and analyzed by Pace Analytical Laboratory of Green Bay, WI.

All concentrations are in micrograms per kilogram (µg/kg) or parts per billion (ppb) and were calculated on a dry weight basis.

Only compounds detected in one or more of the soil samples collected in September 2016 are listed on this table.

Concentrations above the Groundwater Pathway RCL are in **bold**.

Concentrations of detected compounds are highlighted in yellow.

NS = No standard

RCL = Residual contaminant level

The industrial direct contact and groundwater pathway RCLs were taken from the WDNR's RCL Spreadsheet – updated June 2016 - <http://dnr.wi.gov/topic/Brownfields/professionals.html#tabx2>. The groundwater pathway RCL was calculated using a dilution attenuation factor of 2.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 19

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-71 THROUGH GP-74, GP-76 THROUGH GP-84 AND MP-1
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\text{L}$)
SEPTEMBER 2016

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-71	GP-72	GP-73	GP-74		
	9-13	8-12	10-14	10-14		
Chlorinated Compounds						
Chloroethane	299	<7.5	158	393	80	400
Dichlorodifluoromethane	<22.4	<4.5	<4.5	9.1 J	200	1,000
1,2-Dichlorobenzene	<50.0	<10.0	21.0	30.5	60	600
1,1-Dichloroethane	3,520	155	413	478	85	850
1,1-Dichloroethene	54.6 J	10.8 J	<8.2	<8.2	0.7	7.0
1,2-Dichloroethane	26.2 J	<3.4	<3.4	3.5 J	0.5	5.0
cis-1,2-Dichloroethene	15,600	1,600	1,530	1,700	7.0	70
trans-1,2-Dichloroethene	<25.7	<5.1	<5.1	13.5 J	20	100
1,2-Dichloropropane	<23.3	<4.7	5.0 J	11.6 J	0.5	5.0
Methylene Chloride	2,250	<4.7	21.5	31.4	0.5	5.0
Tetrachloroethene	<50.0	2,230	31.6	<10.0	0.5	5.0
1,1,1-Trichloroethane	2,910	1,160	179	63.5	40	200
1,1,2-Trichloroethane	<19.7	6.9 J	4.8 J	13.0 J	0.5	5.0
Trichloroethene	<33.1	751	7.2 J	<6.6	0.5	5.0
Vinyl chloride	332	<3.5	486	613	0.02	0.2
Alcohol and Ketones						
Acetone	579 J	<59.1	<59.1	<59.1	1,800	9,000
4-Methyl-2-pentanone (MIBK)	431 J	<42.8	<42.8	<42.8	50	500
Petroleum-Based Compounds						
Ethylbenzene	574	<10.0	245	901	140	700
Isopropylbenzene (cumene)	31.3 J	<2.9	7.6 J	10.6 J	NSE	NSE
n-Propylbenzene	<50.0	<10.0	<10.0	14.7 J	NSE	NSE
1,2,4-Trimethylbenzene	354	<10.0	28.6	86.1	96	480
1,3,5-Trimethylbenzene	109	<10.0	<10.0	25.7		
Toluene	983	<10.0	523	2,850	160	800
m&p-Xylene	1,890	<20.0	651	2,930	400	2,000
o-Xylene	964	<10.0	231	1,040		

TABLE 19

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-71 THROUGH GP-74, GP-76 THROUGH GP-84 AND MP-1
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\ell$)
SEPTEMBER 2016

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-76	GP-77	GP-78	GP-79		
	11-14	16-20	15-19	15-19		
Chlorinated Compounds						
Chloroform	<2.5	118 J	<10.0	<62.5	<u>0.6</u>	6.0
1,2-Dichlorobenzene	<0.50	25.9	<2.0	<12.5	<u>60</u>	600
1,1-Dichloroethane	<0.24	979	10.8	46.2	<u>85</u>	850
1,1-Dichloroethene	<0.41	1,240	15.7	26.3	<u>0.7</u>	7.0
1,2-Dichloroethane	<0.17	127	<0.67	<4.2	<u>0.5</u>	5.0
cis-1,2-Dichloroethene	<0.26	14,600	117	167	<u>7.0</u>	70
trans-1,2-Dichloroethene	<0.26	<u>75.9</u>	1.8 J	<6.4	<u>20</u>	100
1,2-Dichloropropane	<0.23	336	<u>1.7 J</u>	<5.8	<u>0.5</u>	5.0
Methylene Chloride	<0.23	25.5	<u>1.5 J</u>	<5.8	<u>0.5</u>	5.0
Tetrachloroethene	14.3	2,960	45.2	1,700	<u>0.5</u>	5.0
1,1,1-Trichloroethane	<0.50	34,900	365	951	<u>40</u>	200
1,1,2-Trichloroethane	<0.20	746	<u>3.7 J</u>	18.1 J	<u>0.5</u>	5.0
Trichloroethene	<0.33	25,200	243	794	<u>0.5</u>	5.0
Alcohol and Ketones						
Acetone	15.6 J	<73.8	<11.8	<73.8	<u>1,800</u>	9,000
Petroleum-Based Compounds						
Methyl-tert-butyl ether	<0.17	8.0 J	<0.70	<4.4	<u>12</u>	60
Toluene	0.56 J	<12.5	<2.0	<12.5	<u>160</u>	800

TABLE 19

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-71 THROUGH GP-74, GP-76 THROUGH GP-84 AND MP-1
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\ell$)
SEPTEMBER 2016

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-80	GP-81	GP-82	GP-83		
	14-18	14-18	15-19	14-18		
Chlorinated Compounds						
1,1-Dichloroethane	64.1	260	<2.4	<0.24	85	850
1,1-Dichloroethene	<16.4	19.0	<4.1	<0.41	0.7	7.0
1,2-Dichloroethane	<6.7	4.8 J	<1.7	<0.17	0.5	5.0
cis-1,2-Dichloroethene	333	1,320	3.5 J	<0.26	7.0	70
trans-1,2-Dichloroethene	<10.3	14.0	<2.6	<0.26	20	100
Methylene Chloride	4,190	9.1 J	<2.3	<0.23	0.5	5.0
Tetrachloroethene	307	737	1,060	0.80 J	0.5	5.0
1,1,1-Trichloroethane	358	720	17.0	2.7	40	200
1,1,2-Trichloroethane	<7.9	14.8	<2.0	<0.20	0.5	5.0
Trichloroethene	226	530	10.7	<0.33	0.5	5.0
Vinyl chloride	<7.0	2.4 J	<1.8	<0.18	0.02	0.2
Petroleum-Based Compounds						
Methyl-tert-butyl ether	14.4 J	<1.7	<1.7	<0.17	12	60

TABLE 19

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-71 THROUGH GP-74, GP-76 THROUGH GP-84 AND MP-1
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\ell$)
SEPTEMBER 2016

Parameter	Sample ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-84	MP-1				
	9-13	5-20				
Chlorinated Compounds						
Chloroethane	25.3	<37.5			80	400
1,2-Dichlorobenzene	2.3 J	<50.0			60	600
1,1-Dichloroethane	157	1,240			85	850
1,1-Dichloroethene	<1.6	83.0 J			0.7	7.0
1,2-Dichloroethane	5.3	170			0.5	5.0
cis-1,2-Dichloroethene	225	8,210			7.0	70
trans-1,2-Dichloroethene	2.4 J	<25.7			20	100
1,2-Dichloropropane	2.0 J	31.6 J			0.5	5.0
Methylene Chloride	20.7	<23.3			0.5	5.0
Tetrachloroethene	15.8	1,310			0.5	5.0
1,1,1-Trichloroethane	103	1,560			40	200
1,1,2-Trichloroethane	4.6	219			0.5	5.0
Trichloroethene	10.2	1,350			0.5	5.0
Vinyl chloride	18.6	48.2 J			0.02	0.2
Alcohol and Ketones						
Acetone	16.0 J	<295			1,800	9,000
Petroleum-Based Compounds						
Ethylbenzene	240	<50.0			140	700
Isopropylbenzene (cumene)	4.3	<14.3			NSE	NSE
Methyl-tert-butyl ether	<0.70	29.1 J			12	60
n-Propylbenzene	2.7 J	<50.0			NSE	NSE
1,2,4-Trimethylbenzene	13.4	<50.0			96	480
1,3,5-Trimethylbenzene	3.5 J	<50.0				
Toluene	171	<50.0			160	800
m&p-Xylene	433	<100			400	2,000
o-Xylene	155	<50.0				

TABLE 19

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
COLLECTED FROM GP-71 THROUGH GP-74, GP-76 THROUGH GP-84 AND MP-1
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\ell$)
SEPTEMBER 2016

NOTES:

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

All groundwater samples were collected with a Geoprobe except MP-1, which was collected from a 1-inch temporary monitoring point.

Each sample was analyzed for a full suite of VOCs using Method 8260. Only compounds detected in one or more samples are shown on each page of this table.

NR 140 PAL and ES - NR 140 preventative action limit and enforcement standards downloaded on 10/04/16 from http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf; the most recent version updated in July 2015.

NSE = No standard established.

Concentrations above NR 140 PAL are underlined. Concentrations above NR 140 ES are in bold.

Detected compounds are highlighted

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/halttable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 20

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES COLLECTED FROM GP-75
SEPTEMBER 2016
SUMMARY OF DETECTED COMPOUNDS ($\mu\text{g}/\ell$)

Parameter	Boring ID and Depth Collected (ft)								NR 140 PAL	NR 140 ES
	GP-75									
	17 - 21	31 - 35	40 - 44	46 - 50	52 - 56	59 - 63	66 - 70	72.5 - 76.5		
Chlorinated Compounds										
Chlorobenzene	<0.50	<2.5	3.1	<62.5	<5.0	<0.50	<0.50	<0.50	20	100
Chloroethane	1.3	<1.9	1.7	450	<3.7	<0.37	<0.37	1.7	80	400
2-Chlorotoluene	<0.50	<2.5	2.7	<62.5	<5.0	<0.50	<0.50	<0.50	NSE	NSE
1,2-Dichlorobenzene	<0.50	<2.5	33.2	<62.5	<5.0	<0.50	<0.50	<0.50	60	600
1,3-Dichlorobenzene	<0.50	<2.5	0.95 J	<62.5	<5.0	<0.50	<0.50	<0.50	120	600
1,4-Dichlorobenzene	<0.50	<2.5	3.0	<62.5	<5.0	<0.50	<0.50	<0.50	15	75
Dichlorodifluoromethane	0.30 J	<1.1	<0.22	<28.0	<2.2	<0.22	<0.22	<0.22	200	1000
1,1-Dichloroethane	1.1	4.1 J	174	872	75.4	24.2	6.4	9.7	85	850
1,1-Dichloroethene	<0.41	<2.1	<0.41	<51.3	<4.1	<0.41	0.67 J	1.1	0.7	7.0
1,2-Dichloroethane	<0.17	<0.84	1.4	<21.0	5.4 J	1.4	<0.17	0.57 J	0.5	5.0
cis-1,2-Dichloroethene	1.8	4.9 J	6.2	548	11.0	8.0	23.0	33.1	7.0	70
trans-1,2-Dichloroethene	<0.26	<1.3	1.7	<32.1	<2.6	2.6	7.9	12.6	20	100
1,2-Dichloropropane	<0.23	<1.2	0.59 J	<29.1	<2.3	0.59 J	<0.23	0.38 J	0.5	5.0
1,1,1-Trichloroethane	<0.50	<2.5	1.0	<62.5	<5.0	<0.50	<0.50	<0.50	40	200.0
Trichloroethene	<0.33	<1.7	1.3	<41.3	<3.3	0.66 J	1.5	2.3	0.5	5.0
Vinyl chloride	0.50 J	<0.88	7.3	210	7.0 J	1.3	0.70 J	0.91 J	0.02	0.2
Alcohol and Ketones										
Acetone	<3.0	<14.8	9.9 J	<369	29.5	13.7 J	11.0 J	15.7 J	1,800	9,000
Petroleum-Based Compounds										
Benzene	<0.50	<2.5	2.1	70.6 J	<5.0	1.1	<0.50	<0.50	0.5	5.0
Ethylbenzene	1.0	322	19.1	1,800	45.8	15.7	1.2	2.5	140	700
Isopropylbenzene (cumene)	<0.14	1.8 J	0.24 J	<17.9	<1.4	<0.14	<0.14	<0.14	NSE	NSE
Methyl-tert-butyl ether	<0.17	<0.87	0.18 J	<21.8	<1.7	<0.17	<0.17	<0.17	12	60
Naphthalene	<2.5	<12.5	2.5 J	<312	<25.0	<2.5	<2.5	<2.5	10	100
1,2,4-Trimethylbenzene	0.60 J	3.7 J	5.7	69.6 J	<5.0	<0.50	<0.50	<0.50	96	480
1,3,5-Trimethylbenzene	<0.50	<2.5	15.1	<62.5	<5.0	<0.50	<0.50	<0.50		
Toluene	2.2	10.8	29.5	20,400	560	13.2	13.2	23.5	160	800
m&p-Xylene	2.5	863	27.3	2,310	57.1	3.6	2.2	3.8		
o-Xylene	1.5	279	17.6	730	32.8	8.4	1.4	2.2	400	2,000

NOTES:

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

Groundwater samples were collected with a Geoprobe.

Each sample was analyzed for a VOCs using Method 8260. Only compounds detected in one or more samples are shown on this table.

NR 140 PAL and ES - NR 140 preventative action limit and enforcement standards downloaded on 09/26/14 from

http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf

NSE = No standard established.

J = Estimated concentrations between method detection limit and limit of quantitation.

Concentrations above NR 140 PAL are underlined. Concentrations above NR 140 ES are in bold.

Detected compounds for each sample are highlighted in yellow.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10^{-6} cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf>.

WRR ENVIRONMENTAL SERVICES CO., INC.
EAU CLAIRE, WISCONSIN

TABLE 21

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES COLLECTED FROM GP-85
SUMMARY OF DETECTED COMPOUNDS (µg/ℓ)
SEPTEMBER 2016

Parameter	Boring ID and Depth Collected (ft)				NR 140 PAL	NR 140 ES
	GP-85					
	41 - 45	50 - 54	56 - 60	70.5 - 74.5		
Chlorinated Compounds						
1,1-Dichloroethane	434	1,700 J	1,720 J	14.6 J	85	850
1,1-Dichloroethene	87.9	<2,050	<1,030	<20.5	0.7	7.0
1,2-Dichloroethane	26.6 J	<840	<420	<8.4	0.5	5.0
cis-1,2-Dichloroethene	3,620	7,710	2,470 J	43.9 J	7.0	70
1,2-Dichloropropane	28.9 J	<1,170	<583	<11.7	0.5	5.0
Methylene Chloride	<23.3	3,320 J	1,290 J	14.3 J	0.5	5.0
1,1,1-Trichloroethane	738	<2,500	<1,250	<25.0	40	200
1,1,2-Trichloroethane	52.7 J	<987	<493	<9.9	0.5	5.0
Vinyl chloride	300	<878	<439	<8.8	0.02	0.2
Alcohol and Ketones						
Acetone	7,760	520,000	307,000	6,830	1,800	9,000
2-Butanone (MEK)	1,240 J	91,400 J	57,700	1,100	800	4,000
2-Propanol (Isopropyl Alcohol)	9,150 J	140,000 J	72,400 J	1,570 J	3,000 ⁽¹⁾	
4-Methyl-2-pentanone (MIBK)	614	44,900	27,500	407	50	500
Petroleum-Based Compounds						
Ethylbenzene	2,010	<2,500	<1,250	35.9 J	140	700
1,2,4-Trimethylbenzene	119	<2,500	<1,250	<25.0	96	480
Toluene	24,000	56,500	29,500	193	160	800
m&p-Xylene	5,650	<5,000	<2,500	106	400	2,000
o-Xylene	2,000	<2,500	<1,250	39.1 J		

NOTES:

All concentrations are in micrograms per liter (µg/ℓ)

Groundwater samples were collected with a Geoprobe.

Each sample was analyzed for a VOCs using Method 8260. Only compounds detected in one or more NR 140 PAL and ES - NR 140 preventative action limit and enforcement standards downloaded on 09/26/14 from http://docs.legis.wisconsin.gov/code/admin_code/nr/100/140.pdf

NSE = No standard established.

J = Estimated concentrations between method detection limit and limit of quantitation.

Concentrations above NR 140 PAL are underlined. Concentrations above NR 140 ES are in bold.

Detected compounds for each sample are highlighted in yellow.

FOOTNOTE:

(1) There is no NR 140 PAL or ES for 2-propanol (aka isopropyl alcohol). The WDNR has recommended using the health advisory limit of 3,000 ppb based on a 10⁻⁶ cancer risk taken from the following website: <http://dnr.wi.gov/topic/drinkingwater/documents/haltable.pdf>.

APPENDIX A

**LABORATORY REPORTS FOR WATER SAMPLES COLLECTED FROM
RW-2, RW-4, RW-6 THROUGH RW-11, AND WRR'S PRODUCTION WELL
(MAY – DECEMBER 2016)**

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 1 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919568 Reservoir Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.19	0.69	
Bromobenzene	ND	ug/L	1	0.25	0.87	
Bromochloromethane	ND	ug/L	1	0.15	0.54	
Bromodichloromethane	ND	ug/L	1	0.19	0.68	
Bromoform	[0.27]	ug/L	1	0.16	0.56	
Bromomethane	ND	ug/L	1	0.22	0.79	
n-Butylbenzene	ND	ug/L	1	0.19	0.67	
sec-Butylbenzene	ND	ug/L	1	0.20	0.71	
tert-Butylbenzene	ND	ug/L	1	0.20	0.71	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.66	
Chlorobenzene	ND	ug/L	1	0.16	0.56	
Chloroethane	ND	ug/L	1	1.5	5.4	
Chloroform	ND	ug/L	1	0.17	0.60	
Chloromethane	ND	ug/L	1	0.19	0.68	
2-Chlorotoluene	ND	ug/L	1	0.21	0.75	
4-Chlorotoluene	ND	ug/L	1	0.19	0.68	
Dibromochloromethane	ND	ug/L	1	0.17	0.61	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.21	0.73	
1,2-Dibromoethane	ND	ug/L	1	0.12	0.43	
Dibromomethane	ND	ug/L	1	0.21	0.73	
1,2-Dichlorobenzene	ND	ug/L	1	0.22	0.76	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.72	
1,4-Dichlorobenzene	ND	ug/L	1	0.21	0.76	
Dichlorodifluoromethane	ND	ug/L	1	0.14	0.49	
1,1-Dichloroethane	ND	ug/L	1	0.18	0.64	
1,2-Dichloroethane	ND	ug/L	1	0.19	0.69	
1,1-Dichloroethene	ND	ug/L	1	0.16	0.57	
cis-1,2-Dichloroethene	ND	ug/L	1	0.18	0.62	
trans-1,2-Dichloroethene	ND	ug/L	1	0.15	0.51	
1,2-Dichloropropane	ND	ug/L	1	0.24	0.84	
1,3-Dichloropropane	ND	ug/L	1	0.18	0.63	
2,2-Dichloropropane	ND	ug/L	1	0.12	0.41	
1,1-Dichloropropene	ND	ug/L	1	0.15	0.54	
cis-1,3-Dichloropropene	ND	ug/L	1	0.19	0.68	
trans-1,3-Dichloropropene	ND	ug/L	1	0.14	0.51	
Ethylbenzene	ND	ug/L	1	0.30	1.1	
Hexachlorobutadiene	ND	ug/L	1	0.20	0.69	
Isopropylbenzene	ND	ug/L	1	0.17	0.60	
p-Isopropyltoluene	ND	ug/L	1	0.19	0.68	
Methylene chloride	[0.24]	ug/L	1	0.20	0.70	
Naphthalene	ND	ug/L	1	0.29	1.0	
n-Propylbenzene	ND	ug/L	1	0.20	0.71	
ortho-Xylene	ND	ug/L	1	0.16	0.56	
Styrene	ND	ug/L	1	0.16	0.56	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.66	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.68	
Tetrachloroethene	ND	ug/L	1	0.17	0.58	
Toluene	ND	ug/L	1	0.19	0.68	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.20	0.70	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.18	0.63	
1,1,1-Trichloroethane	ND	ug/L	1	0.17	0.61	
1,1,2-Trichloroethane	ND	ug/L	1	0.17	0.59	
Trichloroethene	ND	ug/L	1	0.24	0.84	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919568 Reservoir Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.17	0.60	
1,2,3-Trichloropropane	ND	ug/L	1	0.29	1.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.18	0.65	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.20	0.71	
Vinyl chloride	ND	ug/L	1	0.16	0.57	
meta,para-Xylene	ND	ug/L	1	0.32	1.1	
MTBE	ND	ug/L	1	0.22	0.76	
Acetone	5.1	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.50	1.8	
4-methyl-2-pentanone	ND	ug/L	1	0.40	1.4	
Isopropyl Ether	ND	ug/L	1	0.19	0.66	
Isopropyl Alcohol	ND	ug/L	1	5.0	18	
Dibromofluoromethane (SURR)	130%					S
Toluene-d8 (SURR)	111%					S
1-Bromo-4-Fluorobenzene (SURR)	118%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 3 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919569 Production Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	50	9.7	34	
Bromobenzene	ND	ug/L	50	12	43	
Bromochloromethane	ND	ug/L	50	7.6	27	
Bromodichloromethane	ND	ug/L	50	9.7	34	
Bromoform	ND	ug/L	50	7.9	28	
Bromomethane	ND	ug/L	50	11	40	
n-Butylbenzene	ND	ug/L	50	9.4	33	
sec-Butylbenzene	ND	ug/L	50	10	35	
tert-Butylbenzene	ND	ug/L	50	10	35	
Carbon Tetrachloride	ND	ug/L	50	9.4	33	
Chlorobenzene	ND	ug/L	50	7.9	28	
Chloroethane	ND	ug/L	50	77	270	
Chloroform	ND	ug/L	50	8.4	30	
Chloromethane	ND	ug/L	50	9.7	34	
2-Chlorotoluene	ND	ug/L	50	11	38	
4-Chlorotoluene	ND	ug/L	50	9.6	34	
Dibromochloromethane	ND	ug/L	50	8.6	31	
1,2-Dibromo-3-Chloropropane	ND	ug/L	50	10	37	
1,2-Dibromoethane	ND	ug/L	50	6.1	21	
Dibromomethane	ND	ug/L	50	10	37	
1,2-Dichlorobenzene	ND	ug/L	50	11	38	
1,3-Dichlorobenzene	ND	ug/L	50	10	36	
1,4-Dichlorobenzene	ND	ug/L	50	11	38	
Dichlorodifluoromethane	ND	ug/L	50	6.9	24	
1,1-Dichloroethane	ND	ug/L	50	9.0	32	
1,2-Dichloroethane	ND	ug/L	50	9.7	34	
1,1-Dichloroethene	ND	ug/L	50	8.1	29	
cis-1,2-Dichloroethene	ND	ug/L	50	8.8	31	
trans-1,2-Dichloroethene	ND	ug/L	50	7.3	26	
1,2-Dichloropropane	ND	ug/L	50	12	42	
1,3-Dichloropropane	ND	ug/L	50	8.9	31	
2,2-Dichloropropane	ND	ug/L	50	5.8	20	
1,1-Dichloropropene	ND	ug/L	50	7.6	27	
cis-1,3-Dichloropropene	ND	ug/L	50	9.7	34	
trans-1,3-Dichloropropene	ND	ug/L	50	7.2	26	
Ethylbenzene	[26]	ug/L	50	15	53	
Hexachlorobutadiene	ND	ug/L	50	9.8	35	
Isopropylbenzene	ND	ug/L	50	8.5	30	
p-Isopropyltoluene	ND	ug/L	50	9.7	34	
Methylene chloride	ND	ug/L	50	9.9	35	
Naphthalene	ND	ug/L	50	15	52	
n-Propylbenzene	ND	ug/L	50	10	35	
ortho-Xylene	[18]	ug/L	50	7.9	28	
Styrene	ND	ug/L	50	8.0	28	
1,1,1,2-Tetrachloroethane	ND	ug/L	50	9.4	33	
1,1,2,2-Tetrachloroethane	ND	ug/L	50	9.7	34	
Tetrachloroethene	ND	ug/L	50	8.3	29	
Toluene	740	ug/L	50	9.6	34	
1,2,3-Trichlorobenzene	ND	ug/L	50	9.9	35	
1,2,4-Trichlorobenzene	ND	ug/L	50	8.9	32	
1,1,1-Trichloroethane	ND	ug/L	50	8.6	30	
1,1,2-Trichloroethane	ND	ug/L	50	8.4	30	
Trichloroethene	ND	ug/L	50	12	42	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919569 Production Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	50	8.5	30	
1,2,3-Trichloropropane	ND	ug/L	50	15	52	
1,2,4-Trimethylbenzene	ND	ug/L	50	9.2	33	
1,3,5-Trimethylbenzene	ND	ug/L	50	10	36	
Vinyl chloride	ND	ug/L	50	8.1	29	
meta,para-Xylene	77	ug/L	50	16	57	
MTBE	ND	ug/L	50	11	38	
Acetone	2100	ug/L	50	210	620	
Methyl ethyl ketone	900	ug/L	50	25	89	
4-methyl-2-pentanone	[45]	ug/L	50	20	70	
Isopropyl Ether	ND	ug/L	50	9.4	33	
Isopropyl Alcohol	3700	ug/L	50	250	880	
Dibromofluoromethane (SURR)	129%					S
Toluene-d8 (SURR)	114%					S
1-Bromo-4-Fluorobenzene (SURR)	112%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 5 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919570 RW6 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	190	690	
Bromobenzene	ND	ug/L	1000	250	870	
Bromochloromethane	ND	ug/L	1000	150	540	
Bromodichloromethane	ND	ug/L	1000	190	680	
Bromoform	ND	ug/L	1000	160	560	
Bromomethane	ND	ug/L	1000	220	790	
n-Butylbenzene	ND	ug/L	1000	190	670	
sec-Butylbenzene	ND	ug/L	1000	200	710	
tert-Butylbenzene	ND	ug/L	1000	200	710	
Carbon Tetrachloride	ND	ug/L	1000	190	660	
Chlorobenzene	ND	ug/L	1000	160	560	
Chloroethane	ND	ug/L	1000	1500	5400	
Chloroform	ND	ug/L	1000	170	600	
Chloromethane	ND	ug/L	1000	190	680	
2-Chlorotoluene	ND	ug/L	1000	210	750	
4-Chlorotoluene	ND	ug/L	1000	190	680	
Dibromochloromethane	ND	ug/L	1000	170	610	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	210	730	
1,2-Dibromoethane	ND	ug/L	1000	120	430	
Dibromomethane	ND	ug/L	1000	210	730	
1,2-Dichlorobenzene	ND	ug/L	1000	220	760	
1,3-Dichlorobenzene	ND	ug/L	1000	200	720	
1,4-Dichlorobenzene	ND	ug/L	1000	210	760	
Dichlorodifluoromethane	ND	ug/L	1000	140	490	
1,1-Dichloroethane	ND	ug/L	1000	180	640	
1,2-Dichloroethane	ND	ug/L	1000	190	690	
1,1-Dichloroethene	ND	ug/L	1000	160	570	
cis-1,2-Dichloroethene	ND	ug/L	1000	180	620	
trans-1,2-Dichloroethene	ND	ug/L	1000	150	510	
1,2-Dichloropropane	ND	ug/L	1000	240	840	
1,3-Dichloropropane	ND	ug/L	1000	180	630	
2,2-Dichloropropane	ND	ug/L	1000	120	410	
1,1-Dichloropropene	ND	ug/L	1000	150	540	
cis-1,3-Dichloropropene	ND	ug/L	1000	190	680	
trans-1,3-Dichloropropene	ND	ug/L	1000	140	510	
Ethylbenzene	1200	ug/L	1000	300	1100	
Hexachlorobutadiene	ND	ug/L	1000	200	690	
Isopropylbenzene	ND	ug/L	1000	170	600	
p-Isopropyltoluene	ND	ug/L	1000	190	680	
Methylene chloride	ND	ug/L	1000	200	700	
Naphthalene	ND	ug/L	1000	290	1000	
n-Propylbenzene	ND	ug/L	1000	200	710	
ortho-Xylene	720	ug/L	1000	160	560	
Styrene	ND	ug/L	1000	160	560	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	190	660	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	190	680	
Tetrachloroethene	ND	ug/L	1000	170	580	
Toluene	15000	ug/L	1000	190	680	
1,2,3-Trichlorobenzene	ND	ug/L	1000	200	700	
1,2,4-Trichlorobenzene	ND	ug/L	1000	180	630	
1,1,1-Trichloroethane	ND	ug/L	1000	170	610	
1,1,2-Trichloroethane	ND	ug/L	1000	170	590	
Trichloroethene	ND	ug/L	1000	240	840	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919570 RW6 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	170	600	
1,2,3-Trichloropropane	ND	ug/L	1000	290	1000	
1,2,4-Trimethylbenzene	ND	ug/L	1000	180	650	
1,3,5-Trimethylbenzene	ND	ug/L	1000	200	710	
Vinyl chloride	ND	ug/L	1000	160	570	
meta,para-Xylene	2900	ug/L	1000	320	1100	
MTBE	ND	ug/L	1000	220	760	
Acetone	[6700]	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	500	1800	
4-methyl-2-pentanone	[1100]	ug/L	1000	400	1400	
Isopropyl Ether	ND	ug/L	1000	190	660	
Isopropyl Alcohol	[5500]	ug/L	1000	5000	18000	
Dibromofluoromethane (SURR)	135%					S
Toluene-d8 (SURR)	118%					S
1-Bromo-4-Fluorobenzene (SURR)	116%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 7 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919571 RW7 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	[12]	ug/L	20	3.9	14	
Bromobenzene	ND	ug/L	20	4.9	17	
Bromochloromethane	ND	ug/L	20	3.0	11	
Bromodichloromethane	ND	ug/L	20	3.9	14	
Bromoform	ND	ug/L	20	3.2	11	
Bromomethane	ND	ug/L	20	4.5	16	
n-Butylbenzene	ND	ug/L	20	3.8	13	
sec-Butylbenzene	ND	ug/L	20	4.0	14	
tert-Butylbenzene	ND	ug/L	20	4.0	14	
Carbon Tetrachloride	ND	ug/L	20	3.7	13	
Chlorobenzene	ND	ug/L	20	3.2	11	
Chloroethane	[53]	ug/L	20	31	110	
Chloroform	ND	ug/L	20	3.4	12	
Chloromethane	ND	ug/L	20	3.9	14	
2-Chlorotoluene	ND	ug/L	20	4.2	15	
4-Chlorotoluene	ND	ug/L	20	3.8	14	
Dibromochloromethane	ND	ug/L	20	3.4	12	
1,2-Dibromo-3-Chloropropane	ND	ug/L	20	4.1	15	
1,2-Dibromoethane	ND	ug/L	20	2.4	8.6	
Dibromomethane	ND	ug/L	20	4.1	15	
1,2-Dichlorobenzene	ND	ug/L	20	4.3	15	
1,3-Dichlorobenzene	ND	ug/L	20	4.0	14	
1,4-Dichlorobenzene	ND	ug/L	20	4.3	15	
Dichlorodifluoromethane	ND	ug/L	20	2.8	9.8	
1,1-Dichloroethane	[36]	ug/L	20	3.6	13	
1,2-Dichloroethane	ND	ug/L	20	3.9	14	
1,1-Dichloroethene	ND	ug/L	20	3.2	11	
cis-1,2-Dichloroethene	[6.7]	ug/L	20	3.5	12	
trans-1,2-Dichloroethene	ND	ug/L	20	2.9	10	
1,2-Dichloropropane	ND	ug/L	20	4.7	17	
1,3-Dichloropropane	ND	ug/L	20	3.6	13	
2,2-Dichloropropane	ND	ug/L	20	2.3	8.2	
1,1-Dichloropropene	ND	ug/L	20	3.0	11	
cis-1,3-Dichloropropene	ND	ug/L	20	3.9	14	
trans-1,3-Dichloropropene	ND	ug/L	20	2.9	10	
Ethylbenzene	[280]	ug/L	20	6.0	21	
Hexachlorobutadiene	ND	ug/L	20	3.9	14	
Isopropylbenzene	ND	ug/L	20	3.4	12	
p-Isopropyltoluene	ND	ug/L	20	3.9	14	
Methylene chloride	ND	ug/L	20	4.0	14	
Naphthalene	ND	ug/L	20	5.9	21	
n-Propylbenzene	ND	ug/L	20	4.0	14	
ortho-Xylene	[98]	ug/L	20	3.1	11	
Styrene	[3.7]	ug/L	20	3.2	11	
1,1,1,2-Tetrachloroethane	ND	ug/L	20	3.7	13	
1,1,2,2-Tetrachloroethane	ND	ug/L	20	3.9	14	
Tetrachloroethene	ND	ug/L	20	3.3	12	
Toluene	[89]	ug/L	20	3.8	14	
1,2,3-Trichlorobenzene	ND	ug/L	20	3.9	14	
1,2,4-Trichlorobenzene	ND	ug/L	20	3.6	13	
1,1,1-Trichloroethane	ND	ug/L	20	3.4	12	
1,1,2-Trichloroethane	ND	ug/L	20	3.4	12	
Trichloroethene	ND	ug/L	20	4.7	17	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919571 RW7 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	20	3.4	12	
1,2,3-Trichloropropane	ND	ug/L	20	5.8	21	
1,2,4-Trimethylbenzene	[4.9]	ug/L	20	3.7	13	
1,3,5-Trimethylbenzene	ND	ug/L	20	4.0	14	
Vinyl chloride	[10]	ug/L	20	3.2	11	
meta,para-Xylene	350	ug/L	20	6.4	23	
MTBE	ND	ug/L	20	4.3	15	
Acetone	ND	ug/L	20	83	250	
Methyl ethyl ketone	ND	ug/L	20	10	36	
4-methyl-2-pentanone	ND	ug/L	20	7.9	28	
Isopropyl Ether	[5.1]	ug/L	20	3.7	13	
Isopropyl Alcohol	ND	ug/L	20	99	350	
Dibromofluoromethane (SURR)	130%					S
Toluene-d8 (SURR)	110%					S
1-Bromo-4-Fluorobenzene (SURR)	111%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 9 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919572 RW10 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	390	1400	
Bromobenzene	ND	ug/L	2000	490	1700	
Bromochloromethane	ND	ug/L	2000	300	1100	
Bromodichloromethane	ND	ug/L	2000	390	1400	
Bromoform	ND	ug/L	2000	320	1100	
Bromomethane	ND	ug/L	2000	450	1600	
n-Butylbenzene	ND	ug/L	2000	380	1300	
sec-Butylbenzene	ND	ug/L	2000	400	1400	
tert-Butylbenzene	ND	ug/L	2000	400	1400	
Carbon Tetrachloride	ND	ug/L	2000	370	1300	
Chlorobenzene	ND	ug/L	2000	320	1100	
Chloroethane	ND	ug/L	2000	3100	11000	
Chloroform	ND	ug/L	2000	340	1200	
Chloromethane	ND	ug/L	2000	390	1400	
2-Chlorotoluene	ND	ug/L	2000	420	1500	
4-Chlorotoluene	ND	ug/L	2000	380	1400	
Dibromochloromethane	ND	ug/L	2000	340	1200	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	410	1500	
1,2-Dibromoethane	ND	ug/L	2000	240	860	
Dibromomethane	ND	ug/L	2000	410	1500	
1,2-Dichlorobenzene	ND	ug/L	2000	430	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	400	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	430	1500	
Dichlorodifluoromethane	ND	ug/L	2000	280	980	
1,1-Dichloroethane	ND	ug/L	2000	360	1300	
1,2-Dichloroethane	ND	ug/L	2000	390	1400	
1,1-Dichloroethene	ND	ug/L	2000	320	1100	
cis-1,2-Dichloroethene	ND	ug/L	2000	350	1200	
trans-1,2-Dichloroethene	ND	ug/L	2000	290	1000	
1,2-Dichloropropane	ND	ug/L	2000	470	1700	
1,3-Dichloropropane	ND	ug/L	2000	360	1300	
2,2-Dichloropropane	ND	ug/L	2000	230	820	
1,1-Dichloropropene	ND	ug/L	2000	300	1100	
cis-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
trans-1,3-Dichloropropene	ND	ug/L	2000	290	1000	
Ethylbenzene	[630]	ug/L	2000	600	2100	
Hexachlorobutadiene	ND	ug/L	2000	390	1400	
Isopropylbenzene	ND	ug/L	2000	340	1200	
p-Isopropyltoluene	ND	ug/L	2000	390	1400	
Methylene chloride	ND	ug/L	2000	400	1400	
Naphthalene	ND	ug/L	2000	590	2100	
n-Propylbenzene	ND	ug/L	2000	400	1400	
ortho-Xylene	[400]	ug/L	2000	310	1100	
Styrene	ND	ug/L	2000	320	1100	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	370	1300	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	390	1400	
Tetrachloroethene	[1100]	ug/L	2000	330	1200	
Toluene	9700	ug/L	2000	380	1400	
1,2,3-Trichlorobenzene	ND	ug/L	2000	390	1400	
1,2,4-Trichlorobenzene	ND	ug/L	2000	360	1300	
1,1,1-Trichloroethane	[820]	ug/L	2000	340	1200	
1,1,2-Trichloroethane	ND	ug/L	2000	340	1200	
Trichloroethene	[580]	ug/L	2000	470	1700	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919572 RW10 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	340	1200	
1,2,3-Trichloropropane	ND	ug/L	2000	580	2100	
1,2,4-Trimethylbenzene	ND	ug/L	2000	370	1300	
1,3,5-Trimethylbenzene	ND	ug/L	2000	400	1400	
Vinyl chloride	ND	ug/L	2000	320	1100	
meta,para-Xylene	[1700]	ug/L	2000	640	2300	
MTBE	ND	ug/L	2000	430	1500	
Acetone	28000	ug/L	2000	8300	25000	
Methyl ethyl ketone	30000	ug/L	2000	1000	3600	
4-methyl-2-pentanone	ND	ug/L	2000	790	2800	
Isopropyl Ether	ND	ug/L	2000	370	1300	
Isopropyl Alcohol	ND	ug/L	2000	9900	35000	
Dibromofluoromethane (SURR)	127%					S
Toluene-d8 (SURR)	111%					S
1-Bromo-4-Fluorobenzene (SURR)	111%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919573 RW11 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	400	78	280	
Bromobenzene	ND	ug/L	400	98	350	
Bromochloromethane	ND	ug/L	400	60	210	
Bromodichloromethane	ND	ug/L	400	77	270	
Bromoform	ND	ug/L	400	63	220	
Bromomethane	ND	ug/L	400	89	320	
n-Butylbenzene	ND	ug/L	400	75	270	
sec-Butylbenzene	ND	ug/L	400	80	280	
tert-Butylbenzene	ND	ug/L	400	80	280	
Carbon Tetrachloride	ND	ug/L	400	75	270	
Chlorobenzene	ND	ug/L	400	63	220	
Chloroethane	ND	ug/L	400	610	2200	
Chloroform	ND	ug/L	400	67	240	
Chloromethane	ND	ug/L	400	77	270	
2-Chlorotoluene	ND	ug/L	400	85	300	
4-Chlorotoluene	ND	ug/L	400	76	270	
Dibromochloromethane	ND	ug/L	400	69	240	
1,2-Dibromo-3-Chloropropane	ND	ug/L	400	82	290	
1,2-Dibromoethane	ND	ug/L	400	48	170	
Dibromomethane	ND	ug/L	400	82	290	
1,2-Dichlorobenzene	ND	ug/L	400	86	310	
1,3-Dichlorobenzene	ND	ug/L	400	81	290	
1,4-Dichlorobenzene	ND	ug/L	400	86	300	
Dichlorodifluoromethane	ND	ug/L	400	55	200	
1,1-Dichloroethane	300	ug/L	400	72	250	
1,2-Dichloroethane	ND	ug/L	400	78	280	
1,1-Dichloroethene	ND	ug/L	400	64	230	
cis-1,2-Dichloroethene	2500	ug/L	400	70	250	
trans-1,2-Dichloroethene	ND	ug/L	400	58	210	
1,2-Dichloropropane	ND	ug/L	400	95	340	
1,3-Dichloropropane	ND	ug/L	400	71	250	
2,2-Dichloropropane	ND	ug/L	400	46	160	
1,1-Dichloropropene	ND	ug/L	400	61	220	
cis-1,3-Dichloropropene	ND	ug/L	400	77	270	
trans-1,3-Dichloropropene	ND	ug/L	400	58	200	
Ethylbenzene	600	ug/L	400	120	430	
Hexachlorobutadiene	ND	ug/L	400	78	280	
Isopropylbenzene	ND	ug/L	400	68	240	
p-Isopropyltoluene	ND	ug/L	400	77	270	
Methylene chloride	ND	ug/L	400	79	280	
Naphthalene	ND	ug/L	400	120	420	
n-Propylbenzene	ND	ug/L	400	80	280	
ortho-Xylene	1800	ug/L	400	63	220	
Styrene	ND	ug/L	400	64	230	
1,1,1,2-Tetrachloroethane	ND	ug/L	400	75	260	
1,1,2,2-Tetrachloroethane	ND	ug/L	400	77	270	
Tetrachloroethene	ND	ug/L	400	66	230	
Toluene	7800	ug/L	1000	190	680	
1,2,3-Trichlorobenzene	ND	ug/L	400	79	280	
1,2,4-Trichlorobenzene	ND	ug/L	400	71	250	
1,1,1-Trichloroethane	900	ug/L	400	69	240	
1,1,2-Trichloroethane	ND	ug/L	400	67	240	
Trichloroethene	ND	ug/L	400	94	330	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919573 RW11 Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	400	68	240	
1,2,3-Trichloropropane	ND	ug/L	400	120	410	
1,2,4-Trimethylbenzene	[180]	ug/L	400	74	260	
1,3,5-Trimethylbenzene	[80]	ug/L	400	80	280	
Vinyl chloride	ND	ug/L	400	64	230	
meta,para-Xylene	5500	ug/L	400	130	450	
MTBE	ND	ug/L	400	86	300	
Acetone	[2600]	ug/L	400	1700	5000	
Methyl ethyl ketone	910	ug/L	400	200	710	
4-methyl-2-pentanone	ND	ug/L	400	160	560	
Isopropyl Ether	ND	ug/L	400	75	270	
Isopropyl Alcohol	ND	ug/L	400	2000	7000	
Dibromofluoromethane (SURR)	132%					S
Toluene-d8 (SURR)	119%					S
1-Bromo-4-Fluorobenzene (SURR)	115%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 13 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919574 Trip Blank Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.19	0.69	
Bromobenzene	ND	ug/L	1	0.25	0.87	
Bromochloromethane	ND	ug/L	1	0.15	0.54	
Bromodichloromethane	ND	ug/L	1	0.19	0.68	
Bromoform	ND	ug/L	1	0.16	0.56	
Bromomethane	ND	ug/L	1	0.22	0.79	
n-Butylbenzene	ND	ug/L	1	0.19	0.67	
sec-Butylbenzene	ND	ug/L	1	0.20	0.71	
tert-Butylbenzene	ND	ug/L	1	0.20	0.71	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.66	
Chlorobenzene	ND	ug/L	1	0.16	0.56	
Chloroethane	ND	ug/L	1	1.5	5.4	
Chloroform	ND	ug/L	1	0.17	0.60	
Chloromethane	ND	ug/L	1	0.19	0.68	
2-Chlorotoluene	ND	ug/L	1	0.21	0.75	
4-Chlorotoluene	ND	ug/L	1	0.19	0.68	
Dibromochloromethane	ND	ug/L	1	0.17	0.61	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.21	0.73	
1,2-Dibromoethane	ND	ug/L	1	0.12	0.43	
Dibromomethane	ND	ug/L	1	0.21	0.73	
1,2-Dichlorobenzene	ND	ug/L	1	0.22	0.76	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.72	
1,4-Dichlorobenzene	ND	ug/L	1	0.21	0.76	
Dichlorodifluoromethane	ND	ug/L	1	0.14	0.49	
1,1-Dichloroethane	ND	ug/L	1	0.18	0.64	
1,2-Dichloroethane	ND	ug/L	1	0.19	0.69	
1,1-Dichloroethene	ND	ug/L	1	0.16	0.57	
cis-1,2-Dichloroethene	ND	ug/L	1	0.18	0.62	
trans-1,2-Dichloroethene	ND	ug/L	1	0.15	0.51	
1,2-Dichloropropane	ND	ug/L	1	0.24	0.84	
1,3-Dichloropropane	ND	ug/L	1	0.18	0.63	
2,2-Dichloropropane	ND	ug/L	1	0.12	0.41	
1,1-Dichloropropene	ND	ug/L	1	0.15	0.54	
cis-1,3-Dichloropropene	ND	ug/L	1	0.19	0.68	
trans-1,3-Dichloropropene	ND	ug/L	1	0.14	0.51	
Ethylbenzene	ND	ug/L	1	0.30	1.1	
Hexachlorobutadiene	ND	ug/L	1	0.20	0.69	
Isopropylbenzene	ND	ug/L	1	0.17	0.60	
p-Isopropyltoluene	ND	ug/L	1	0.19	0.68	
Methylene chloride	ND	ug/L	1	0.20	0.70	
Naphthalene	ND	ug/L	1	0.29	1.0	
n-Propylbenzene	ND	ug/L	1	0.20	0.71	
ortho-Xylene	ND	ug/L	1	0.16	0.56	
Styrene	ND	ug/L	1	0.16	0.56	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.66	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.68	
Tetrachloroethene	ND	ug/L	1	0.17	0.58	
Toluene	ND	ug/L	1	0.19	0.68	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.20	0.70	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.18	0.63	
1,1,1-Trichloroethane	ND	ug/L	1	0.17	0.61	
1,1,2-Trichloroethane	ND	ug/L	1	0.17	0.59	
Trichloroethene	ND	ug/L	1	0.24	0.84	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 259657

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 05/11/2016 17:05

Sample: 919574 Trip Blank Collected: 05/04/16 Analyzed: 05/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.17	0.60	
1,2,3-Trichloropropane	ND	ug/L	1	0.29	1.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.18	0.65	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.20	0.71	
Vinyl chloride	ND	ug/L	1	0.16	0.57	
meta,para-Xylene	ND	ug/L	1	0.32	1.1	
MTBE	ND	ug/L	1	0.22	0.76	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.50	1.8	
4-methyl-2-pentanone	ND	ug/L	1	0.40	1.4	
Isopropyl Ether	ND	ug/L	1	0.19	0.66	
Isopropyl Alcohol	ND	ug/L	1	5.0	18	
Dibromofluoromethane (SURR)	128%					S
Toluene-d8 (SURR)	113%					S
1-Bromo-4-Fluorobenzene (SURR)	108%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 1 of 10

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925320 Production Collected: 06/07/16 Analyzed: 06/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	50	12	42	
Bromobenzene	ND	ug/L	50	12	41	
Bromochloromethane	ND	ug/L	50	12	44	
Bromodichloromethane	ND	ug/L	50	13	47	
Bromoform	ND	ug/L	50	10	36	
Bromomethane	ND	ug/L	50	13	48	
n-Butylbenzene	ND	ug/L	50	10	37	
sec-Butylbenzene	ND	ug/L	50	9.3	33	
tert-Butylbenzene	ND	ug/L	50	9.6	34	
Carbon Tetrachloride	ND	ug/L	50	7.8	27	
Chlorobenzene	ND	ug/L	50	12	43	
Chloroethane	ND	ug/L	50	46	160	
Chloroform	ND	ug/L	50	11	39	
Chloromethane	ND	ug/L	50	11	39	
2-Chlorotoluene	ND	ug/L	50	13	45	
4-Chlorotoluene	ND	ug/L	50	10	36	
Dibromochloromethane	ND	ug/L	50	7.9	28	
1,2-Dibromo-3-Chloropropane	ND	ug/L	50	8.9	31	
1,2-Dibromoethane	ND	ug/L	50	11	41	
Dibromomethane	ND	ug/L	50	11	39	
1,2-Dichlorobenzene	ND	ug/L	50	10	36	
1,3-Dichlorobenzene	ND	ug/L	50	9.9	35	
1,4-Dichlorobenzene	ND	ug/L	50	13	48	
Dichlorodifluoromethane	ND	ug/L	50	8.3	29	
1,1-Dichloroethane	ND	ug/L	50	9.4	33	
1,2-Dichloroethane	ND	ug/L	50	11	39	
1,1-Dichloroethene	ND	ug/L	50	9.8	35	
cis-1,2-Dichloroethene	ND	ug/L	50	12	42	
trans-1,2-Dichloroethene	ND	ug/L	50	8.5	30	
1,2-Dichloropropane	ND	ug/L	50	14	49	
1,3-Dichloropropane	ND	ug/L	50	12	42	
2,2-Dichloropropane	ND	ug/L	50	9.1	32	
1,1-Dichloropropene	ND	ug/L	50	9.9	35	
cis-1,3-Dichloropropene	ND	ug/L	50	13	45	
trans-1,3-Dichloropropene	ND	ug/L	50	9.7	34	
Ethylbenzene	[26]	ug/L	50	9.7	34	
Hexachlorobutadiene	ND	ug/L	50	15	53	
Isopropylbenzene	ND	ug/L	50	9.3	33	
p-Isopropyltoluene	ND	ug/L	50	8.8	31	
Methylene chloride	ND	ug/L	50	12	42	
Naphthalene	ND	ug/L	50	22	76	
n-Propylbenzene	ND	ug/L	50	11	37	
ortho-Xylene	[19]	ug/L	50	9.3	33	
Styrene	ND	ug/L	50	9.3	33	
1,1,1,2-Tetrachloroethane	ND	ug/L	50	9.9	35	
1,1,2,2-Tetrachloroethane	ND	ug/L	50	13	47	
Tetrachloroethene	ND	ug/L	50	11	39	
Toluene	480	ug/L	50	10	37	
1,2,3-Trichlorobenzene	ND	ug/L	50	19	66	
1,2,4-Trichlorobenzene	ND	ug/L	50	15	52	
1,1,1-Trichloroethane	ND	ug/L	50	9.8	35	
1,1,2-Trichloroethane	ND	ug/L	50	9.8	35	
Trichloroethene	ND	ug/L	50	16	57	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925320 Production Collected: 06/07/16 Analyzed: 06/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	50	10	35	
1,2,3-Trichloropropane	ND	ug/L	50	12	44	
1,2,4-Trimethylbenzene	ND	ug/L	50	10	37	
1,3,5-Trimethylbenzene	ND	ug/L	50	11	38	
Vinyl chloride	ND	ug/L	50	8.5	30	
meta,para-Xylene	69	ug/L	50	19	66	
MTBE	ND	ug/L	50	10	36	
Acetone	2600	ug/L	50	210	620	
Methyl ethyl ketone	320	ug/L	50	28	100	
4-methyl-2-pentanone	ND	ug/L	50	27	95	
Isopropyl Ether	ND	ug/L	50	11	39	
Isopropyl Alcohol	860	ug/L	50	220	780	
Dibromofluoromethane (SURR)	106%					S
Toluene-d8 (SURR)	95%					S
1-Bromo-4-Fluorobenzene (SURR)	101%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 3 of 10

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925321 RW7 Collected: 06/07/16 Analyzed: 06/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	[9.9]	ug/L	20	4.8	17	
Bromobenzene	ND	ug/L	20	4.6	16	
Bromochloromethane	ND	ug/L	20	5.0	18	
Bromodichloromethane	ND	ug/L	20	5.3	19	
Bromoform	ND	ug/L	20	4.1	15	
Bromomethane	ND	ug/L	20	5.4	19	
n-Butylbenzene	ND	ug/L	20	4.1	15	
sec-Butylbenzene	ND	ug/L	20	3.7	13	
tert-Butylbenzene	ND	ug/L	20	3.8	14	
Carbon Tetrachloride	ND	ug/L	20	3.1	11	
Chlorobenzene	ND	ug/L	20	4.9	17	
Chloroethane	[50]	ug/L	20	19	66	
Chloroform	ND	ug/L	20	4.4	16	
Chloromethane	ND	ug/L	20	4.4	16	
2-Chlorotoluene	ND	ug/L	20	5.1	18	
4-Chlorotoluene	ND	ug/L	20	4.1	15	
Dibromochloromethane	ND	ug/L	20	3.2	11	
1,2-Dibromo-3-Chloropropane	ND	ug/L	20	3.5	13	
1,2-Dibromoethane	ND	ug/L	20	4.6	16	
Dibromomethane	ND	ug/L	20	4.4	16	
1,2-Dichlorobenzene	ND	ug/L	20	4.1	15	
1,3-Dichlorobenzene	ND	ug/L	20	3.9	14	
1,4-Dichlorobenzene	ND	ug/L	20	5.4	19	
Dichlorodifluoromethane	ND	ug/L	20	3.3	12	
1,1-Dichloroethane	34	ug/L	20	3.8	13	LC
1,2-Dichloroethane	ND	ug/L	20	4.4	16	
1,1-Dichloroethene	ND	ug/L	20	3.9	14	
cis-1,2-Dichloroethene	[8.7]	ug/L	20	4.7	17	
trans-1,2-Dichloroethene	ND	ug/L	20	3.4	12	
1,2-Dichloropropane	ND	ug/L	20	5.5	20	
1,3-Dichloropropane	ND	ug/L	20	4.7	17	
2,2-Dichloropropane	ND	ug/L	20	3.6	13	
1,1-Dichloropropene	ND	ug/L	20	3.9	14	
cis-1,3-Dichloropropene	ND	ug/L	20	5.1	18	
trans-1,3-Dichloropropene	ND	ug/L	20	3.9	14	
Ethylbenzene	220	ug/L	20	3.9	14	
Hexachlorobutadiene	ND	ug/L	20	6.0	21	
Isopropylbenzene	ND	ug/L	20	3.7	13	
p-Isopropyltoluene	ND	ug/L	20	3.5	12	
Methylene chloride	ND	ug/L	20	4.7	17	
Naphthalene	ND	ug/L	20	8.6	30	
n-Propylbenzene	ND	ug/L	20	4.2	15	
ortho-Xylene	53	ug/L	20	3.7	13	
Styrene	ND	ug/L	20	3.7	13	
1,1,1,2-Tetrachloroethane	ND	ug/L	20	4.0	14	
1,1,2,2-Tetrachloroethane	ND	ug/L	20	5.3	19	
Tetrachloroethene	ND	ug/L	20	4.4	16	
Toluene	50	ug/L	20	4.2	15	
1,2,3-Trichlorobenzene	ND	ug/L	20	7.5	26	
1,2,4-Trichlorobenzene	ND	ug/L	20	5.9	21	
1,1,1-Trichloroethane	ND	ug/L	20	3.9	14	
1,1,2-Trichloroethane	ND	ug/L	20	3.9	14	
Trichloroethene	ND	ug/L	20	6.5	23	

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925321 RW7 Collected: 06/07/16 Analyzed: 06/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	20	4.0	14	
1,2,3-Trichloropropane	ND	ug/L	20	4.9	17	
1,2,4-Trimethylbenzene	[6.8]	ug/L	20	4.2	15	
1,3,5-Trimethylbenzene	ND	ug/L	20	4.3	15	
Vinyl chloride	[8.5]	ug/L	20	3.4	12	
meta,para-Xylene	250	ug/L	20	7.4	26	
MTBE	ND	ug/L	20	4.1	15	
Acetone	ND	ug/L	20	83	250	
Methyl ethyl ketone	ND	ug/L	20	11	40	
4-methyl-2-pentanone	ND	ug/L	20	11	38	
Isopropyl Ether	[4.5]	ug/L	20	4.4	16	
Isopropyl Alcohol	ND	ug/L	20	89	310	
Dibromofluoromethane (SURR)	115%					S
Toluene-d8 (SURR)	93%					S
1-Bromo-4-Fluorobenzene (SURR)	98%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

LC = Laboratory control spike recovery was outside QC limits.

1,1-Dichloroethane recovery was 124%.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 5 of 10

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925322 RW10 Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	480	1700	
Bromobenzene	ND	ug/L	2000	460	1600	
Bromochloromethane	ND	ug/L	2000	500	1800	
Bromodichloromethane	ND	ug/L	2000	530	1900	
Bromoform	ND	ug/L	2000	410	1500	
Bromomethane	ND	ug/L	2000	540	1900	
n-Butylbenzene	ND	ug/L	2000	410	1500	
sec-Butylbenzene	ND	ug/L	2000	370	1300	
tert-Butylbenzene	ND	ug/L	2000	380	1400	
Carbon Tetrachloride	ND	ug/L	2000	310	1100	
Chlorobenzene	ND	ug/L	2000	490	1700	
Chloroethane	ND	ug/L	2000	1900	6600	
Chloroform	ND	ug/L	2000	440	1600	
Chloromethane	ND	ug/L	2000	440	1600	
2-Chlorotoluene	ND	ug/L	2000	510	1800	
4-Chlorotoluene	ND	ug/L	2000	410	1500	
Dibromochloromethane	ND	ug/L	2000	320	1100	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	350	1300	
1,2-Dibromoethane	ND	ug/L	2000	460	1600	
Dibromomethane	ND	ug/L	2000	440	1600	
1,2-Dichlorobenzene	ND	ug/L	2000	410	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	390	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	540	1900	
Dichlorodifluoromethane	ND	ug/L	2000	330	1200	
1,1-Dichloroethane	ND	ug/L	2000	380	1300	
1,2-Dichloroethane	ND	ug/L	2000	440	1600	
1,1-Dichloroethene	ND	ug/L	2000	390	1400	
cis-1,2-Dichloroethene	ND	ug/L	2000	470	1700	
trans-1,2-Dichloroethene	ND	ug/L	2000	340	1200	
1,2-Dichloropropane	ND	ug/L	2000	550	2000	
1,3-Dichloropropane	ND	ug/L	2000	470	1700	
2,2-Dichloropropane	ND	ug/L	2000	360	1300	
1,1-Dichloropropene	ND	ug/L	2000	390	1400	
cis-1,3-Dichloropropene	ND	ug/L	2000	510	1800	
trans-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
Ethylbenzene	[920]	ug/L	2000	390	1400	
Hexachlorobutadiene	ND	ug/L	2000	600	2100	
Isopropylbenzene	ND	ug/L	2000	370	1300	
p-Isopropyltoluene	ND	ug/L	2000	350	1200	
Methylene chloride	[580]	ug/L	2000	470	1700	
Naphthalene	ND	ug/L	2000	860	3000	
n-Propylbenzene	ND	ug/L	2000	420	1500	
ortho-Xylene	[670]	ug/L	2000	370	1300	
Styrene	ND	ug/L	2000	370	1300	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	400	1400	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	530	1900	
Tetrachloroethene	ND	ug/L	2000	440	1600	
Toluene	18000	ug/L	2000	420	1500	
1,2,3-Trichlorobenzene	ND	ug/L	2000	750	2600	
1,2,4-Trichlorobenzene	ND	ug/L	2000	590	2100	
1,1,1-Trichloroethane	1400	ug/L	2000	390	1400	
1,1,2-Trichloroethane	ND	ug/L	2000	390	1400	
Trichloroethene	[690]	ug/L	2000	650	2300	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925322 RW10 Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	400	1400	
1,2,3-Trichloropropane	ND	ug/L	2000	490	1700	
1,2,4-Trimethylbenzene	ND	ug/L	2000	420	1500	
1,3,5-Trimethylbenzene	ND	ug/L	2000	430	1500	
Vinyl chloride	ND	ug/L	2000	340	1200	
meta,para-Xylene	2800	ug/L	2000	740	2600	
MTBE	ND	ug/L	2000	410	1500	
Acetone	80000	ug/L	2000	8300	25000	
Methyl ethyl ketone	72000	ug/L	2000	1100	4000	
4-methyl-2-pentanone	[1700]	ug/L	2000	1100	3800	
Isopropyl Ether	ND	ug/L	2000	440	1600	
Isopropyl Alcohol	[21000]	ug/L	2000	8900	31000	
Dibromofluoromethane (SURR)	107%					S
Toluene-d8 (SURR)	102%					S
1-Bromo-4-Fluorobenzene (SURR)	90%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 7 of 10

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925323 RW11 Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	400	95	340	
Bromobenzene	ND	ug/L	400	93	330	
Bromochloromethane	ND	ug/L	400	99	350	
Bromodichloromethane	ND	ug/L	400	110	380	
Bromoform	ND	ug/L	400	82	290	
Bromomethane	ND	ug/L	400	110	380	
n-Butylbenzene	ND	ug/L	400	82	290	
sec-Butylbenzene	ND	ug/L	400	74	260	
tert-Butylbenzene	ND	ug/L	400	76	270	
Carbon Tetrachloride	ND	ug/L	400	62	220	
Chlorobenzene	ND	ug/L	400	98	350	
Chloroethane	ND	ug/L	400	370	1300	
Chloroform	ND	ug/L	400	88	310	
Chloromethane	ND	ug/L	400	88	310	
2-Chlorotoluene	ND	ug/L	400	100	360	
4-Chlorotoluene	ND	ug/L	400	82	290	
Dibromochloromethane	ND	ug/L	400	63	220	
1,2-Dibromo-3-Chloropropane	ND	ug/L	400	71	250	
1,2-Dibromoethane	ND	ug/L	400	92	330	
Dibromomethane	ND	ug/L	400	88	310	
1,2-Dichlorobenzene	ND	ug/L	400	82	290	
1,3-Dichlorobenzene	ND	ug/L	400	79	280	
1,4-Dichlorobenzene	ND	ug/L	400	110	380	
Dichlorodifluoromethane	ND	ug/L	400	66	230	
1,1-Dichloroethane	330	ug/L	400	75	270	
1,2-Dichloroethane	ND	ug/L	400	88	310	
1,1-Dichloroethene	ND	ug/L	400	78	280	
cis-1,2-Dichloroethene	2800	ug/L	400	94	330	
trans-1,2-Dichloroethene	ND	ug/L	400	68	240	
1,2-Dichloropropane	ND	ug/L	400	110	390	
1,3-Dichloropropane	ND	ug/L	400	95	340	
2,2-Dichloropropane	ND	ug/L	400	73	260	
1,1-Dichloropropene	ND	ug/L	400	79	280	
cis-1,3-Dichloropropene	ND	ug/L	400	100	360	
trans-1,3-Dichloropropene	ND	ug/L	400	78	270	
Ethylbenzene	730	ug/L	400	77	270	
Hexachlorobutadiene	ND	ug/L	400	120	430	
Isopropylbenzene	ND	ug/L	400	74	260	
p-Isopropyltoluene	ND	ug/L	400	70	250	
Methylene chloride	ND	ug/L	400	95	340	
Naphthalene	ND	ug/L	400	170	610	
n-Propylbenzene	ND	ug/L	400	84	300	
ortho-Xylene	1800	ug/L	400	74	260	
Styrene	ND	ug/L	400	74	260	
1,1,1,2-Tetrachloroethane	ND	ug/L	400	79	280	
1,1,2,2-Tetrachloroethane	ND	ug/L	400	110	370	
Tetrachloroethene	ND	ug/L	400	88	310	
Toluene	7500	ug/L	400	83	290	
1,2,3-Trichlorobenzene	ND	ug/L	400	150	530	
1,2,4-Trichlorobenzene	ND	ug/L	400	120	420	
1,1,1-Trichloroethane	860	ug/L	400	78	280	
1,1,2-Trichloroethane	ND	ug/L	400	78	280	
Trichloroethene	ND	ug/L	400	130	460	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925323 RW11 Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	400	80	280	
1,2,3-Trichloropropane	ND	ug/L	400	98	350	
1,2,4-Trimethylbenzene	[280]	ug/L	400	83	290	
1,3,5-Trimethylbenzene	[96]	ug/L	400	85	300	
Vinyl chloride	[92]	ug/L	400	68	240	
meta,para-Xylene	5700	ug/L	400	150	530	
MTBE	ND	ug/L	400	82	290	
Acetone	[1900]	ug/L	400	1700	5000	
Methyl ethyl ketone	[650]	ug/L	400	230	810	
4-methyl-2-pentanone	ND	ug/L	400	210	760	
Isopropyl Ether	ND	ug/L	400	88	310	
Isopropyl Alcohol	ND	ug/L	400	1800	6300	
Dibromofluoromethane (SURR)	115%					S
Toluene-d8 (SURR)	94%					S
1-Bromo-4-Fluorobenzene (SURR)	103%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 9 of 10

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925324 Trip Blank Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	ND	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	ND	ug/L	1	0.21	0.74	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 261294

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 06/14/2016 17:01

Sample: 925324 Trip Blank Collected: 06/07/16 Analyzed: 06/10/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	ND	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	104%					S
1-Bromo-4-Fluorobenzene (SURR)	101%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 1 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932700 Production Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	25	4.9	17	
Bromobenzene	ND	ug/L	25	6.1	22	
Bromochloromethane	ND	ug/L	25	3.8	13	
Bromodichloromethane	ND	ug/L	25	4.8	17	
Bromoform	ND	ug/L	25	4.0	14	
Bromomethane	ND	ug/L	25	5.6	20	
n-Butylbenzene	ND	ug/L	25	4.7	17	
sec-Butylbenzene	ND	ug/L	25	5.0	18	
tert-Butylbenzene	ND	ug/L	25	5.0	18	
Carbon Tetrachloride	ND	ug/L	25	4.7	17	
Chlorobenzene	ND	ug/L	25	4.0	14	
Chloroethane	ND	ug/L	25	38	140	
Chloroform	ND	ug/L	25	4.2	15	
Chloromethane	ND	ug/L	25	4.8	17	
2-Chlorotoluene	ND	ug/L	25	5.3	19	
4-Chlorotoluene	ND	ug/L	25	4.8	17	
Dibromochloromethane	ND	ug/L	25	4.3	15	
1,2-Dibromo-3-Chloropropane	ND	ug/L	25	5.2	18	
1,2-Dibromoethane	ND	ug/L	25	3.0	11	
Dibromomethane	ND	ug/L	25	5.2	18	
1,2-Dichlorobenzene	ND	ug/L	25	5.4	19	
1,3-Dichlorobenzene	ND	ug/L	25	5.1	18	
1,4-Dichlorobenzene	ND	ug/L	25	5.4	19	
Dichlorodifluoromethane	ND	ug/L	25	3.5	12	
1,1-Dichloroethane	ND	ug/L	25	4.5	16	
1,2-Dichloroethane	ND	ug/L	25	4.9	17	
1,1-Dichloroethene	ND	ug/L	25	4.0	14	
cis-1,2-Dichloroethene	ND	ug/L	25	4.4	16	
trans-1,2-Dichloroethene	ND	ug/L	25	3.6	13	
1,2-Dichloropropane	ND	ug/L	25	5.9	21	
1,3-Dichloropropane	ND	ug/L	25	4.5	16	
2,2-Dichloropropane	ND	ug/L	25	2.9	10	
1,1-Dichloropropene	ND	ug/L	25	3.8	13	
cis-1,3-Dichloropropene	ND	ug/L	25	4.8	17	
trans-1,3-Dichloropropene	ND	ug/L	25	3.6	13	
Ethylbenzene	ND	ug/L	25	7.5	27	
Hexachlorobutadiene	ND	ug/L	25	4.9	17	
Isopropylbenzene	ND	ug/L	25	4.3	15	
p-Isopropyltoluene	ND	ug/L	25	4.8	17	
Methylene chloride	ND	ug/L	25	5.0	18	
Naphthalene	ND	ug/L	25	7.3	26	
n-Propylbenzene	ND	ug/L	25	5.0	18	
ortho-Xylene	[8.8]	ug/L	25	3.9	14	
Styrene	ND	ug/L	25	4.0	14	
1,1,1,2-Tetrachloroethane	ND	ug/L	25	4.7	17	
1,1,2,2-Tetrachloroethane	ND	ug/L	25	4.8	17	
Tetrachloroethene	ND	ug/L	25	4.1	15	
Toluene	250	ug/L	25	4.8	17	
1,2,3-Trichlorobenzene	ND	ug/L	25	4.9	17	
1,2,4-Trichlorobenzene	ND	ug/L	25	4.5	16	
1,1,1-Trichloroethane	ND	ug/L	25	4.3	15	
1,1,2-Trichloroethane	ND	ug/L	25	4.2	15	
Trichloroethene	ND	ug/L	25	5.9	21	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932700 Production Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	25	4.2	15	
1,2,3-Trichloropropane	ND	ug/L	25	7.3	26	
1,2,4-Trimethylbenzene	ND	ug/L	25	4.6	16	
1,3,5-Trimethylbenzene	ND	ug/L	25	5.0	18	
Vinyl chloride	ND	ug/L	25	4.0	14	
meta,para-Xylene	34	ug/L	25	8.0	28	
MTBE	ND	ug/L	25	5.4	19	
Acetone	430	ug/L	25	100	310	
Methyl ethyl ketone	160	ug/L	25	13	45	
4-methyl-2-pentanone	[18]	ug/L	25	9.9	35	
Isopropyl Ether	ND	ug/L	25	4.7	17	
Isopropyl Alcohol	770	ug/L	25	120	440	
Dibromofluoromethane (SURR)	108.23%					S
Toluene-d8 (SURR)	106.34%					S
1-Bromo-4-Fluorobenzene (SURR)	108.14%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 3 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932701 RW6 Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	190	690	
Bromobenzene	ND	ug/L	1000	250	870	
Bromochloromethane	ND	ug/L	1000	150	540	
Bromodichloromethane	ND	ug/L	1000	190	680	
Bromoform	ND	ug/L	1000	160	560	
Bromomethane	ND	ug/L	1000	220	790	
n-Butylbenzene	ND	ug/L	1000	190	670	
sec-Butylbenzene	ND	ug/L	1000	200	710	
tert-Butylbenzene	ND	ug/L	1000	200	710	
Carbon Tetrachloride	ND	ug/L	1000	190	660	
Chlorobenzene	ND	ug/L	1000	160	560	
Chloroethane	ND	ug/L	1000	1500	5400	
Chloroform	ND	ug/L	1000	170	600	
Chloromethane	ND	ug/L	1000	190	680	
2-Chlorotoluene	ND	ug/L	1000	210	750	
4-Chlorotoluene	ND	ug/L	1000	190	680	
Dibromochloromethane	ND	ug/L	1000	170	610	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	210	730	
1,2-Dibromoethane	ND	ug/L	1000	120	430	
Dibromomethane	ND	ug/L	1000	210	730	
1,2-Dichlorobenzene	ND	ug/L	1000	220	760	
1,3-Dichlorobenzene	ND	ug/L	1000	200	720	
1,4-Dichlorobenzene	ND	ug/L	1000	210	760	
Dichlorodifluoromethane	ND	ug/L	1000	140	490	
1,1-Dichloroethane	ND	ug/L	1000	180	640	
1,2-Dichloroethane	ND	ug/L	1000	190	690	
1,1-Dichloroethene	ND	ug/L	1000	160	570	
cis-1,2-Dichloroethene	ND	ug/L	1000	180	620	
trans-1,2-Dichloroethene	ND	ug/L	1000	150	510	
1,2-Dichloropropane	ND	ug/L	1000	240	840	
1,3-Dichloropropane	ND	ug/L	1000	180	630	
2,2-Dichloropropane	ND	ug/L	1000	120	410	
1,1-Dichloropropene	ND	ug/L	1000	150	540	
cis-1,3-Dichloropropene	ND	ug/L	1000	190	680	
trans-1,3-Dichloropropene	ND	ug/L	1000	140	510	
Ethylbenzene	[910]	ug/L	1000	300	1100	
Hexachlorobutadiene	ND	ug/L	1000	200	690	
Isopropylbenzene	ND	ug/L	1000	170	600	
p-Isopropyltoluene	ND	ug/L	1000	190	680	
Methylene chloride	ND	ug/L	1000	200	700	
Naphthalene	ND	ug/L	1000	290	1000	
n-Propylbenzene	ND	ug/L	1000	200	710	
ortho-Xylene	[550]	ug/L	1000	160	560	
Styrene	ND	ug/L	1000	160	560	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	190	660	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	190	680	
Tetrachloroethene	ND	ug/L	1000	170	580	
Toluene	8700	ug/L	1000	190	680	
1,2,3-Trichlorobenzene	ND	ug/L	1000	200	700	
1,2,4-Trichlorobenzene	ND	ug/L	1000	180	630	
1,1,1-Trichloroethane	ND	ug/L	1000	170	610	
1,1,2-Trichloroethane	ND	ug/L	1000	170	590	
Trichloroethene	ND	ug/L	1000	240	840	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932701 RW6 Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	170	600	
1,2,3-Trichloropropane	ND	ug/L	1000	290	1000	
1,2,4-Trimethylbenzene	ND	ug/L	1000	180	650	
1,3,5-Trimethylbenzene	ND	ug/L	1000	200	710	
Vinyl chloride	ND	ug/L	1000	160	570	
meta,para-Xylene	1900	ug/L	1000	320	1100	
MTBE	ND	ug/L	1000	220	760	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	500	1800	
4-methyl-2-pentanone	[550]	ug/L	1000	400	1400	CC
Isopropyl Ether	ND	ug/L	1000	190	660	
Isopropyl Alcohol	ND	ug/L	1000	5000	18000	
Dibromofluoromethane (SURR)	109%					S
Toluene-d8 (SURR)	112%					S
1-Bromo-4-Fluorobenzene (SURR)	109%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

4-methyl-2-pentanone recovery 127%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 5 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932702 RW7 Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	9.6	ug/L	10	1.9	6.9	
Bromobenzene	ND	ug/L	10	2.5	8.7	
Bromochloromethane	ND	ug/L	10	1.5	5.4	
Bromodichloromethane	ND	ug/L	10	1.9	6.8	
Bromoform	ND	ug/L	10	1.6	5.6	
Bromomethane	ND	ug/L	10	2.2	7.9	
n-Butylbenzene	ND	ug/L	10	1.9	6.7	
sec-Butylbenzene	ND	ug/L	10	2.0	7.1	
tert-Butylbenzene	ND	ug/L	10	2.0	7.1	
Carbon Tetrachloride	ND	ug/L	10	1.9	6.6	
Chlorobenzene	ND	ug/L	10	1.6	5.6	
Chloroethane	57	ug/L	10	15	54	
Chloroform	ND	ug/L	10	1.7	6.0	
Chloromethane	ND	ug/L	10	1.9	6.8	
2-Chlorotoluene	ND	ug/L	10	2.1	7.5	
4-Chlorotoluene	ND	ug/L	10	1.9	6.8	
Dibromochloromethane	ND	ug/L	10	1.7	6.1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	2.1	7.3	
1,2-Dibromoethane	ND	ug/L	10	1.2	4.3	
Dibromomethane	ND	ug/L	10	2.1	7.3	
1,2-Dichlorobenzene	ND	ug/L	10	2.2	7.6	
1,3-Dichlorobenzene	ND	ug/L	10	2.0	7.2	
1,4-Dichlorobenzene	ND	ug/L	10	2.1	7.6	
Dichlorodifluoromethane	[3.3]	ug/L	10	1.4	4.9	
1,1-Dichloroethane	44	ug/L	10	1.8	6.4	
1,2-Dichloroethane	ND	ug/L	10	1.9	6.9	
1,1-Dichloroethene	ND	ug/L	10	1.6	5.7	
cis-1,2-Dichloroethene	7.6	ug/L	10	1.8	6.2	
trans-1,2-Dichloroethene	[1.9]	ug/L	10	1.5	5.1	
1,2-Dichloropropane	ND	ug/L	10	2.4	8.4	
1,3-Dichloropropane	ND	ug/L	10	1.8	6.3	
2,2-Dichloropropane	ND	ug/L	10	1.2	4.1	
1,1-Dichloropropene	ND	ug/L	10	1.5	5.4	
cis-1,3-Dichloropropene	ND	ug/L	10	1.9	6.8	
trans-1,3-Dichloropropene	ND	ug/L	10	1.4	5.1	
Ethylbenzene	130	ug/L	10	3.0	11	
Hexachlorobutadiene	ND	ug/L	10	2.0	6.9	
Isopropylbenzene	ND	ug/L	10	1.7	6.0	
p-Isopropyltoluene	ND	ug/L	10	1.9	6.8	
Methylene chloride	ND	ug/L	10	2.0	7.0	
Naphthalene	ND	ug/L	10	2.9	10	
n-Propylbenzene	ND	ug/L	10	2.0	7.1	
ortho-Xylene	59	ug/L	10	1.6	5.6	
Styrene	ND	ug/L	10	1.6	5.6	
1,1,1,2-Tetrachloroethane	ND	ug/L	10	1.9	6.6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	1.9	6.8	
Tetrachloroethene	ND	ug/L	10	1.7	5.8	
Toluene	35	ug/L	10	1.9	6.8	
1,2,3-Trichlorobenzene	ND	ug/L	10	2.0	7.0	
1,2,4-Trichlorobenzene	ND	ug/L	10	1.8	6.3	
1,1,1-Trichloroethane	ND	ug/L	10	1.7	6.1	
1,1,2-Trichloroethane	ND	ug/L	10	1.7	5.9	
Trichloroethene	[3.3]	ug/L	10	2.4	8.4	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932702 RW7 Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	10	1.7	6.0	
1,2,3-Trichloropropane	ND	ug/L	10	2.9	10	
1,2,4-Trimethylbenzene	6.9	ug/L	10	1.8	6.5	
1,3,5-Trimethylbenzene	[2.6]	ug/L	10	2.0	7.1	
Vinyl chloride	10	ug/L	10	1.6	5.7	
meta,para-Xylene	260	ug/L	10	3.2	11	
MTBE	ND	ug/L	10	2.2	7.6	
Acetone	ND	ug/L	10	42	120	
Methyl ethyl ketone	ND	ug/L	10	5.0	18	
4-methyl-2-pentanone	ND	ug/L	10	4.0	14	
Isopropyl Ether	[3.9]	ug/L	10	1.9	6.6	
Isopropyl Alcohol	ND	ug/L	10	50	180	
Dibromofluoromethane (SURR)	111.86%					S
Toluene-d8 (SURR)	106.69%					S
1-Bromo-4-Fluorobenzene (SURR)	103.66%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 7 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932703 RW10 Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	390	1400	
Bromobenzene	ND	ug/L	2000	490	1700	
Bromochloromethane	ND	ug/L	2000	300	1100	
Bromodichloromethane	ND	ug/L	2000	390	1400	
Bromoform	ND	ug/L	2000	320	1100	
Bromomethane	ND	ug/L	2000	450	1600	
n-Butylbenzene	ND	ug/L	2000	380	1300	
sec-Butylbenzene	ND	ug/L	2000	400	1400	
tert-Butylbenzene	ND	ug/L	2000	400	1400	
Carbon Tetrachloride	ND	ug/L	2000	370	1300	
Chlorobenzene	ND	ug/L	2000	320	1100	
Chloroethane	ND	ug/L	2000	3100	11000	
Chloroform	ND	ug/L	2000	340	1200	
Chloromethane	ND	ug/L	2000	390	1400	
2-Chlorotoluene	ND	ug/L	2000	420	1500	
4-Chlorotoluene	ND	ug/L	2000	380	1400	
Dibromochloromethane	ND	ug/L	2000	340	1200	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	410	1500	
1,2-Dibromoethane	ND	ug/L	2000	240	860	
Dibromomethane	ND	ug/L	2000	410	1500	
1,2-Dichlorobenzene	ND	ug/L	2000	430	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	400	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	430	1500	
Dichlorodifluoromethane	ND	ug/L	2000	280	980	
1,1-Dichloroethane	ND	ug/L	2000	360	1300	
1,2-Dichloroethane	ND	ug/L	2000	390	1400	
1,1-Dichloroethene	ND	ug/L	2000	320	1100	
cis-1,2-Dichloroethene	ND	ug/L	2000	350	1200	
trans-1,2-Dichloroethene	ND	ug/L	2000	290	1000	
1,2-Dichloropropane	ND	ug/L	2000	470	1700	
1,3-Dichloropropane	ND	ug/L	2000	360	1300	
2,2-Dichloropropane	ND	ug/L	2000	230	820	
1,1-Dichloropropene	ND	ug/L	2000	300	1100	
cis-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
trans-1,3-Dichloropropene	ND	ug/L	2000	290	1000	
Ethylbenzene	ND	ug/L	2000	600	2100	
Hexachlorobutadiene	ND	ug/L	2000	390	1400	
Isopropylbenzene	ND	ug/L	2000	340	1200	
p-Isopropyltoluene	ND	ug/L	2000	390	1400	
Methylene chloride	ND	ug/L	2000	400	1400	
Naphthalene	ND	ug/L	2000	590	2100	
n-Propylbenzene	ND	ug/L	2000	400	1400	
ortho-Xylene	[660]	ug/L	2000	310	1100	
Styrene	ND	ug/L	2000	320	1100	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	370	1300	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	390	1400	
Tetrachloroethene	ND	ug/L	2000	330	1200	
Toluene	15000	ug/L	2000	380	1400	
1,2,3-Trichlorobenzene	ND	ug/L	2000	390	1400	
1,2,4-Trichlorobenzene	ND	ug/L	2000	360	1300	
1,1,1-Trichloroethane	[1100]	ug/L	2000	340	1200	
1,1,2-Trichloroethane	ND	ug/L	2000	340	1200	
Trichloroethene	[780]	ug/L	2000	470	1700	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932703 RW10 Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	340	1200	
1,2,3-Trichloropropane	ND	ug/L	2000	580	2100	
1,2,4-Trimethylbenzene	ND	ug/L	2000	370	1300	
1,3,5-Trimethylbenzene	ND	ug/L	2000	400	1400	
Vinyl chloride	ND	ug/L	2000	320	1100	
meta,para-Xylene	[2200]	ug/L	2000	640	2300	
MTBE	ND	ug/L	2000	430	1500	
Acetone	47000	ug/L	2000	8300	25000	
Methyl ethyl ketone	32000	ug/L	2000	1000	3600	
4-methyl-2-pentanone	[1500]	ug/L	2000	790	2800	CC
Isopropyl Ether	ND	ug/L	2000	370	1300	
Isopropyl Alcohol	[16000]	ug/L	2000	9900	35000	
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	108%					S
1-Bromo-4-Fluorobenzene (SURR)	104%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

4-methyl-2-pentanone recovery 127%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 9 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932704 RW11 Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1250	240	860	
Bromobenzene	ND	ug/L	1250	310	1100	
Bromochloromethane	ND	ug/L	1250	190	670	
Bromodichloromethane	ND	ug/L	1250	240	850	
Bromoform	ND	ug/L	1250	200	700	
Bromomethane	ND	ug/L	1250	280	990	
n-Butylbenzene	ND	ug/L	1250	240	840	
sec-Butylbenzene	ND	ug/L	1250	250	880	
tert-Butylbenzene	ND	ug/L	1250	250	890	
Carbon Tetrachloride	ND	ug/L	1250	230	830	
Chlorobenzene	ND	ug/L	1250	200	700	
Chloroethane	ND	ug/L	1250	1900	6800	
Chloroform	ND	ug/L	1250	210	740	
Chloromethane	ND	ug/L	1250	240	860	
2-Chlorotoluene	ND	ug/L	1250	270	940	
4-Chlorotoluene	ND	ug/L	1250	240	850	
Dibromochloromethane	ND	ug/L	1250	220	760	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1250	260	910	
1,2-Dibromoethane	ND	ug/L	1250	150	540	
Dibromomethane	ND	ug/L	1250	260	910	
1,2-Dichlorobenzene	ND	ug/L	1250	270	960	
1,3-Dichlorobenzene	ND	ug/L	1250	250	900	
1,4-Dichlorobenzene	ND	ug/L	1250	270	950	
Dichlorodifluoromethane	ND	ug/L	1250	170	610	
1,1-Dichloroethane	[340]	ug/L	1250	230	800	
1,2-Dichloroethane	ND	ug/L	1250	240	860	
1,1-Dichloroethene	ND	ug/L	1250	200	720	
cis-1,2-Dichloroethene	2800	ug/L	1250	220	780	
trans-1,2-Dichloroethene	ND	ug/L	1250	180	640	
1,2-Dichloropropane	ND	ug/L	1250	300	1100	
1,3-Dichloropropane	ND	ug/L	1250	220	790	
2,2-Dichloropropane	ND	ug/L	1250	140	510	
1,1-Dichloropropene	ND	ug/L	1250	190	670	
cis-1,3-Dichloropropene	ND	ug/L	1250	240	860	
trans-1,3-Dichloropropene	ND	ug/L	1250	180	640	
Ethylbenzene	ND	ug/L	1250	380	1300	
Hexachlorobutadiene	ND	ug/L	1250	240	860	
Isopropylbenzene	ND	ug/L	1250	210	760	
p-Isopropyltoluene	ND	ug/L	1250	240	860	
Methylene chloride	ND	ug/L	1250	250	880	
Naphthalene	ND	ug/L	1250	370	1300	
n-Propylbenzene	ND	ug/L	1250	250	880	
ortho-Xylene	1900	ug/L	1250	200	700	
Styrene	ND	ug/L	1250	200	700	
1,1,1,2-Tetrachloroethane	ND	ug/L	1250	230	830	
1,1,2,2-Tetrachloroethane	ND	ug/L	1250	240	860	
Tetrachloroethene	ND	ug/L	1250	210	730	
Toluene	18000	ug/L	1250	240	850	
1,2,3-Trichlorobenzene	ND	ug/L	1250	250	870	
1,2,4-Trichlorobenzene	ND	ug/L	1250	220	790	
1,1,1-Trichloroethane	1300	ug/L	1250	220	760	
1,1,2-Trichloroethane	ND	ug/L	1250	210	740	
Trichloroethene	[490]	ug/L	1250	300	1000	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932704 RW11 Collected: 07/12/16 Analyzed: 07/15/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1250	210	750	
1,2,3-Trichloropropane	ND	ug/L	1250	360	1300	
1,2,4-Trimethylbenzene	ND	ug/L	1250	230	810	
1,3,5-Trimethylbenzene	ND	ug/L	1250	250	890	
Vinyl chloride	ND	ug/L	1250	200	710	
meta,para-Xylene	5600	ug/L	1250	400	1400	
MTBE	ND	ug/L	1250	270	950	
Acetone	ND	ug/L	1250	5200	16000	
Methyl ethyl ketone	ND	ug/L	1250	630	2200	
4-methyl-2-pentanone	ND	ug/L	1250	500	1800	
Isopropyl Ether	ND	ug/L	1250	230	830	
Isopropyl Alcohol	ND	ug/L	1250	6200	22000	
Dibromofluoromethane (SURR)	108.77%					S
Toluene-d8 (SURR)	110.34%					S
1-Bromo-4-Fluorobenzene (SURR)	103.45%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 11 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932705 Trip Blank Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.19	0.69	
Bromobenzene	ND	ug/L	1	0.25	0.87	
Bromochloromethane	ND	ug/L	1	0.15	0.54	
Bromodichloromethane	ND	ug/L	1	0.19	0.68	
Bromoform	ND	ug/L	1	0.16	0.56	
Bromomethane	ND	ug/L	1	0.22	0.79	
n-Butylbenzene	ND	ug/L	1	0.19	0.67	
sec-Butylbenzene	ND	ug/L	1	0.20	0.71	
tert-Butylbenzene	ND	ug/L	1	0.20	0.71	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.66	
Chlorobenzene	ND	ug/L	1	0.16	0.56	
Chloroethane	ND	ug/L	1	1.5	5.4	
Chloroform	ND	ug/L	1	0.17	0.60	
Chloromethane	ND	ug/L	1	0.19	0.68	
2-Chlorotoluene	ND	ug/L	1	0.21	0.75	
4-Chlorotoluene	ND	ug/L	1	0.19	0.68	
Dibromochloromethane	ND	ug/L	1	0.17	0.61	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.21	0.73	
1,2-Dibromoethane	ND	ug/L	1	0.12	0.43	
Dibromomethane	ND	ug/L	1	0.21	0.73	
1,2-Dichlorobenzene	ND	ug/L	1	0.22	0.76	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.72	
1,4-Dichlorobenzene	ND	ug/L	1	0.21	0.76	
Dichlorodifluoromethane	ND	ug/L	1	0.14	0.49	
1,1-Dichloroethane	ND	ug/L	1	0.18	0.64	
1,2-Dichloroethane	ND	ug/L	1	0.19	0.69	
1,1-Dichloroethene	ND	ug/L	1	0.16	0.57	
cis-1,2-Dichloroethene	ND	ug/L	1	0.18	0.62	
trans-1,2-Dichloroethene	ND	ug/L	1	0.15	0.51	
1,2-Dichloropropane	ND	ug/L	1	0.24	0.84	
1,3-Dichloropropane	ND	ug/L	1	0.18	0.63	
2,2-Dichloropropane	ND	ug/L	1	0.12	0.41	
1,1-Dichloropropene	ND	ug/L	1	0.15	0.54	
cis-1,3-Dichloropropene	ND	ug/L	1	0.19	0.68	
trans-1,3-Dichloropropene	ND	ug/L	1	0.14	0.51	
Ethylbenzene	ND	ug/L	1	0.30	1.1	
Hexachlorobutadiene	ND	ug/L	1	0.20	0.69	
Isopropylbenzene	ND	ug/L	1	0.17	0.60	
p-Isopropyltoluene	ND	ug/L	1	0.19	0.68	
Methylene chloride	[0.23]	ug/L	1	0.20	0.70	LB
Naphthalene	ND	ug/L	1	0.29	1.0	
n-Propylbenzene	ND	ug/L	1	0.20	0.71	
ortho-Xylene	ND	ug/L	1	0.16	0.56	
Styrene	ND	ug/L	1	0.16	0.56	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.66	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.68	
Tetrachloroethene	ND	ug/L	1	0.17	0.58	
Toluene	ND	ug/L	1	0.19	0.68	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.20	0.70	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.18	0.63	
1,1,1-Trichloroethane	ND	ug/L	1	0.17	0.61	
1,1,2-Trichloroethane	ND	ug/L	1	0.17	0.59	
Trichloroethene	ND	ug/L	1	0.24	0.84	

Customer: WRR Environmental Services Co Inc NLS Project: 263280

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 07/19/2016 17:02

Sample: 932705 Trip Blank Collected: 07/12/16 Analyzed: 07/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.17	0.60	
1,2,3-Trichloropropane	ND	ug/L	1	0.29	1.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.18	0.65	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.20	0.71	
Vinyl chloride	ND	ug/L	1	0.16	0.57	
meta,para-Xylene	ND	ug/L	1	0.32	1.1	
MTBE	ND	ug/L	1	0.22	0.76	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.50	1.8	
4-methyl-2-pentanone	ND	ug/L	1	0.40	1.4	
Isopropyl Ether	ND	ug/L	1	0.19	0.66	
Isopropyl Alcohol	ND	ug/L	1	5.0	18	
Dibromofluoromethane (SURR)	113%					S
Toluene-d8 (SURR)	112%					S
1-Bromo-4-Fluorobenzene (SURR)	107%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

LB = Compound is suspected of being a laboratory contaminant.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 1 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938503 Production Collected: 08/10/16 Analyzed: 08/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	25	6.0	21	
Bromobenzene	ND	ug/L	25	5.8	21	
Bromochloromethane	ND	ug/L	25	6.2	22	
Bromodichloromethane	ND	ug/L	25	6.6	23	
Bromoform	ND	ug/L	25	5.1	18	
Bromomethane	ND	ug/L	25	6.7	24	
n-Butylbenzene	ND	ug/L	25	5.2	18	
sec-Butylbenzene	ND	ug/L	25	4.6	16	
tert-Butylbenzene	ND	ug/L	25	4.8	17	
Carbon Tetrachloride	ND	ug/L	25	3.9	14	
Chlorobenzene	ND	ug/L	25	6.1	22	
Chloroethane	ND	ug/L	25	23	82	
Chloroform	ND	ug/L	25	5.5	20	
Chloromethane	ND	ug/L	25	5.5	19	
2-Chlorotoluene	ND	ug/L	25	6.3	22	
4-Chlorotoluene	ND	ug/L	25	5.1	18	
Dibromochloromethane	ND	ug/L	25	4.0	14	
1,2-Dibromo-3-Chloropropane	ND	ug/L	25	4.4	16	
1,2-Dibromoethane	ND	ug/L	25	5.7	20	
Dibromomethane	ND	ug/L	25	5.5	20	
1,2-Dichlorobenzene	ND	ug/L	25	5.1	18	
1,3-Dichlorobenzene	ND	ug/L	25	4.9	17	
1,4-Dichlorobenzene	ND	ug/L	25	6.7	24	
Dichlorodifluoromethane	ND	ug/L	25	4.1	15	
1,1-Dichloroethane	ND	ug/L	25	4.7	17	
1,2-Dichloroethane	ND	ug/L	25	5.5	19	
1,1-Dichloroethene	ND	ug/L	25	4.9	17	
cis-1,2-Dichloroethene	ND	ug/L	25	5.9	21	
trans-1,2-Dichloroethene	ND	ug/L	25	4.2	15	
1,2-Dichloropropane	ND	ug/L	25	6.9	24	
1,3-Dichloropropane	ND	ug/L	25	5.9	21	
2,2-Dichloropropane	ND	ug/L	25	4.6	16	
1,1-Dichloropropene	ND	ug/L	25	4.9	17	
cis-1,3-Dichloropropene	ND	ug/L	25	6.4	23	
trans-1,3-Dichloropropene	ND	ug/L	25	4.9	17	
Ethylbenzene	[15]	ug/L	25	4.8	17	J
Hexachlorobutadiene	ND	ug/L	25	7.5	27	
Isopropylbenzene	ND	ug/L	25	4.6	16	
p-Isopropyltoluene	ND	ug/L	25	4.4	16	
Methylene chloride	ND	ug/L	25	5.9	21	
Naphthalene	ND	ug/L	25	11	38	
n-Propylbenzene	ND	ug/L	25	5.3	19	
ortho-Xylene	[11]	ug/L	25	4.6	16	J
Styrene	ND	ug/L	25	4.7	16	
1,1,1,2-Tetrachloroethane	ND	ug/L	25	5.0	18	
1,1,2,2-Tetrachloroethane	ND	ug/L	25	6.6	23	
Tetrachloroethene	ND	ug/L	25	5.5	20	
Toluene	240	ug/L	25	5.2	18	
1,2,3-Trichlorobenzene	ND	ug/L	25	9.3	33	
1,2,4-Trichlorobenzene	ND	ug/L	25	7.4	26	
1,1,1-Trichloroethane	ND	ug/L	25	4.9	17	
1,1,2-Trichloroethane	ND	ug/L	25	4.9	17	
Trichloroethene	ND	ug/L	25	8.1	29	

Customer: WRR Environmental Services Co Inc NLS Project: 265203
Project Description: Wastewater
Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938503 Production Collected: 08/10/16 Analyzed: 08/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	25	5.0	18	
1,2,3-Trichloropropane	ND	ug/L	25	6.2	22	
1,2,4-Trimethylbenzene	ND	ug/L	25	5.2	18	
1,3,5-Trimethylbenzene	ND	ug/L	25	5.3	19	
Vinyl chloride	ND	ug/L	25	4.3	15	
meta,para-Xylene	39	ug/L	25	9.3	33	
MTBE	ND	ug/L	25	5.1	18	
Acetone	430	ug/L	25	100	310	
Methyl ethyl ketone	190	ug/L	25	14	50	
4-methyl-2-pentanone	[24]	ug/L	25	13	48	J
Isopropyl Ether	ND	ug/L	25	5.5	20	
Isopropyl Alcohol	830	ug/L	25	110	390	
Dibromofluoromethane (SURR)	97%					S
Toluene-d8 (SURR)	93%					S
1-Bromo-4-Fluorobenzene (SURR)	95%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 3 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938504 RW6 Collected: 08/10/16 Analyzed: 08/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	240	840	
Bromobenzene	ND	ug/L	1000	230	820	
Bromochloromethane	ND	ug/L	1000	250	880	
Bromodichloromethane	ND	ug/L	1000	270	940	
Bromoform	ND	ug/L	1000	210	730	
Bromomethane	ND	ug/L	1000	270	960	
n-Butylbenzene	ND	ug/L	1000	210	730	
sec-Butylbenzene	ND	ug/L	1000	190	660	
tert-Butylbenzene	ND	ug/L	1000	190	680	
Carbon Tetrachloride	ND	ug/L	1000	160	550	
Chlorobenzene	ND	ug/L	1000	250	870	
Chloroethane	ND	ug/L	1000	930	3300	
Chloroform	ND	ug/L	1000	220	780	
Chloromethane	ND	ug/L	1000	220	780	
2-Chlorotoluene	ND	ug/L	1000	250	900	
4-Chlorotoluene	ND	ug/L	1000	210	730	
Dibromochloromethane	ND	ug/L	1000	160	560	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	180	630	
1,2-Dibromoethane	ND	ug/L	1000	230	810	
Dibromomethane	ND	ug/L	1000	220	780	
1,2-Dichlorobenzene	ND	ug/L	1000	210	730	
1,3-Dichlorobenzene	ND	ug/L	1000	200	700	
1,4-Dichlorobenzene	ND	ug/L	1000	270	950	
Dichlorodifluoromethane	ND	ug/L	1000	170	580	
1,1-Dichloroethane	ND	ug/L	1000	190	670	
1,2-Dichloroethane	ND	ug/L	1000	220	780	
1,1-Dichloroethene	ND	ug/L	1000	200	690	
cis-1,2-Dichloroethene	ND	ug/L	1000	240	840	
trans-1,2-Dichloroethene	ND	ug/L	1000	170	600	
1,2-Dichloropropane	ND	ug/L	1000	280	980	
1,3-Dichloropropane	ND	ug/L	1000	240	840	
2,2-Dichloropropane	ND	ug/L	1000	180	640	
1,1-Dichloropropene	ND	ug/L	1000	200	700	
cis-1,3-Dichloropropene	ND	ug/L	1000	260	910	
trans-1,3-Dichloropropene	ND	ug/L	1000	190	690	
Ethylbenzene	1100	ug/L	1000	190	690	
Hexachlorobutadiene	ND	ug/L	1000	300	1100	
Isopropylbenzene	ND	ug/L	1000	190	650	
p-Isopropyltoluene	ND	ug/L	1000	180	620	
Methylene chloride	ND	ug/L	1000	240	840	
Naphthalene	ND	ug/L	1000	430	1500	
n-Propylbenzene	ND	ug/L	1000	210	740	
ortho-Xylene	[560]	ug/L	1000	190	660	J
Styrene	ND	ug/L	1000	190	660	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	200	700	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	260	940	
Tetrachloroethene	ND	ug/L	1000	220	780	
Toluene	7400	ug/L	1000	210	740	
1,2,3-Trichlorobenzene	ND	ug/L	1000	370	1300	
1,2,4-Trichlorobenzene	ND	ug/L	1000	300	1000	
1,1,1-Trichloroethane	ND	ug/L	1000	200	690	
1,1,2-Trichloroethane	ND	ug/L	1000	200	690	
Trichloroethene	ND	ug/L	1000	320	1100	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938504 RW6 Collected: 08/10/16 Analyzed: 08/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	200	710	
1,2,3-Trichloropropane	ND	ug/L	1000	250	870	
1,2,4-Trimethylbenzene	ND	ug/L	1000	210	740	
1,3,5-Trimethylbenzene	ND	ug/L	1000	210	760	
Vinyl chloride	ND	ug/L	1000	170	600	
meta,para-Xylene	2000	ug/L	1000	370	1300	
MTBE	ND	ug/L	1000	210	730	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	570	2000	
4-methyl-2-pentanone	[650]	ug/L	1000	540	1900	J
Isopropyl Ether	ND	ug/L	1000	220	780	
Isopropyl Alcohol	ND	ug/L	1000	4400	16000	
Dibromofluoromethane (SURR)	105%					S
Toluene-d8 (SURR)	91%					S
1-Bromo-4-Fluorobenzene (SURR)	97%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 5 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938505 RW7 Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	12	ug/L	10	2.4	8.4	
Bromobenzene	ND	ug/L	10	2.3	8.2	
Bromochloromethane	ND	ug/L	10	2.5	8.8	
Bromodichloromethane	ND	ug/L	10	2.7	9.4	
Bromoform	ND	ug/L	10	2.1	7.3	
Bromomethane	ND	ug/L	10	2.7	9.6	CC
n-Butylbenzene	ND	ug/L	10	2.1	7.3	
sec-Butylbenzene	ND	ug/L	10	1.9	6.6	
tert-Butylbenzene	ND	ug/L	10	1.9	6.8	
Carbon Tetrachloride	ND	ug/L	10	1.6	5.5	
Chlorobenzene	ND	ug/L	10	2.5	8.7	
Chloroethane	79	ug/L	10	9.3	33	
Chloroform	ND	ug/L	10	2.2	7.8	
Chloromethane	ND	ug/L	10	2.2	7.8	
2-Chlorotoluene	ND	ug/L	10	2.5	9.0	
4-Chlorotoluene	ND	ug/L	10	2.1	7.3	
Dibromochloromethane	ND	ug/L	10	1.6	5.6	
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1.8	6.3	
1,2-Dibromoethane	ND	ug/L	10	2.3	8.1	
Dibromomethane	ND	ug/L	10	2.2	7.8	
1,2-Dichlorobenzene	ND	ug/L	10	2.1	7.3	
1,3-Dichlorobenzene	ND	ug/L	10	2.0	7.0	
1,4-Dichlorobenzene	ND	ug/L	10	2.7	9.5	
Dichlorodifluoromethane	ND	ug/L	10	1.7	5.8	
1,1-Dichloroethane	50	ug/L	10	1.9	6.7	
1,2-Dichloroethane	ND	ug/L	10	2.2	7.8	
1,1-Dichloroethene	ND	ug/L	10	2.0	6.9	
cis-1,2-Dichloroethene	11	ug/L	10	2.4	8.4	
trans-1,2-Dichloroethene	[2.9]	ug/L	10	1.7	6.0	J
1,2-Dichloropropane	ND	ug/L	10	2.8	9.8	
1,3-Dichloropropane	ND	ug/L	10	2.4	8.4	
2,2-Dichloropropane	ND	ug/L	10	1.8	6.4	
1,1-Dichloropropene	ND	ug/L	10	2.0	7.0	
cis-1,3-Dichloropropene	ND	ug/L	10	2.6	9.1	
trans-1,3-Dichloropropene	ND	ug/L	10	1.9	6.9	
Ethylbenzene	120	ug/L	10	1.9	6.9	
Hexachlorobutadiene	ND	ug/L	10	3.0	11	
Isopropylbenzene	ND	ug/L	10	1.9	6.5	
p-Isopropyltoluene	ND	ug/L	10	1.8	6.2	
Methylene chloride	ND	ug/L	10	2.4	8.4	
Naphthalene	ND	ug/L	10	4.3	15	
n-Propylbenzene	ND	ug/L	10	2.1	7.4	
ortho-Xylene	71	ug/L	10	1.9	6.6	
Styrene	ND	ug/L	10	1.9	6.6	
1,1,1,2-Tetrachloroethane	ND	ug/L	10	2.0	7.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	2.6	9.4	
Tetrachloroethene	ND	ug/L	10	2.2	7.8	
Toluene	25	ug/L	10	2.1	7.4	
1,2,3-Trichlorobenzene	ND	ug/L	10	3.7	13	
1,2,4-Trichlorobenzene	ND	ug/L	10	3.0	10	
1,1,1-Trichloroethane	ND	ug/L	10	2.0	6.9	
1,1,2-Trichloroethane	ND	ug/L	10	2.0	6.9	
Trichloroethene	[3.5]	ug/L	10	3.2	11	J

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938505 RW7 Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	10	2.0	7.1	
1,2,3-Trichloropropane	ND	ug/L	10	2.5	8.7	
1,2,4-Trimethylbenzene	7.7	ug/L	10	2.1	7.4	
1,3,5-Trimethylbenzene	[2.7]	ug/L	10	2.1	7.6	J
Vinyl chloride	13	ug/L	10	1.7	6.0	
meta,para-Xylene	310	ug/L	10	3.7	13	
MTBE	ND	ug/L	10	2.1	7.3	
Acetone	ND	ug/L	10	42	120	
Methyl ethyl ketone	ND	ug/L	10	5.7	20	
4-methyl-2-pentanone	ND	ug/L	10	5.4	19	
Isopropyl Ether	[6.6]	ug/L	10	2.2	7.8	J
Isopropyl Alcohol	ND	ug/L	10	44	160	
Dibromofluoromethane (SURR)	117%					S
Toluene-d8 (SURR)	95%					S
1-Bromo-4-Fluorobenzene (SURR)	108%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 72%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 7 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938506 RW10 Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	480	1700	
Bromobenzene	ND	ug/L	2000	460	1600	
Bromochloromethane	ND	ug/L	2000	500	1800	
Bromodichloromethane	ND	ug/L	2000	530	1900	
Bromoform	ND	ug/L	2000	410	1500	
Bromomethane	ND	ug/L	2000	540	1900	CC
n-Butylbenzene	ND	ug/L	2000	410	1500	
sec-Butylbenzene	ND	ug/L	2000	370	1300	
tert-Butylbenzene	ND	ug/L	2000	380	1400	
Carbon Tetrachloride	ND	ug/L	2000	310	1100	
Chlorobenzene	ND	ug/L	2000	490	1700	
Chloroethane	ND	ug/L	2000	1900	6600	
Chloroform	ND	ug/L	2000	440	1600	
Chloromethane	ND	ug/L	2000	440	1600	
2-Chlorotoluene	ND	ug/L	2000	510	1800	
4-Chlorotoluene	ND	ug/L	2000	410	1500	
Dibromochloromethane	ND	ug/L	2000	320	1100	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	350	1300	
1,2-Dibromoethane	ND	ug/L	2000	460	1600	
Dibromomethane	ND	ug/L	2000	440	1600	
1,2-Dichlorobenzene	ND	ug/L	2000	410	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	390	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	540	1900	
Dichlorodifluoromethane	ND	ug/L	2000	330	1200	
1,1-Dichloroethane	ND	ug/L	2000	380	1300	
1,2-Dichloroethane	ND	ug/L	2000	440	1600	
1,1-Dichloroethene	ND	ug/L	2000	390	1400	
cis-1,2-Dichloroethene	ND	ug/L	2000	470	1700	
trans-1,2-Dichloroethene	ND	ug/L	2000	340	1200	
1,2-Dichloropropane	ND	ug/L	2000	550	2000	
1,3-Dichloropropane	ND	ug/L	2000	470	1700	
2,2-Dichloropropane	ND	ug/L	2000	360	1300	
1,1-Dichloropropene	ND	ug/L	2000	390	1400	
cis-1,3-Dichloropropene	ND	ug/L	2000	510	1800	
trans-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
Ethylbenzene	[1100]	ug/L	2000	390	1400	J
Hexachlorobutadiene	ND	ug/L	2000	600	2100	
Isopropylbenzene	ND	ug/L	2000	370	1300	
p-Isopropyltoluene	ND	ug/L	2000	350	1200	
Methylene chloride	ND	ug/L	2000	470	1700	
Naphthalene	ND	ug/L	2000	860	3000	
n-Propylbenzene	ND	ug/L	2000	420	1500	
ortho-Xylene	[870]	ug/L	2000	370	1300	J
Styrene	ND	ug/L	2000	370	1300	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	400	1400	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	530	1900	
Tetrachloroethene	ND	ug/L	2000	440	1600	
Toluene	15000	ug/L	2000	420	1500	
1,2,3-Trichlorobenzene	ND	ug/L	2000	750	2600	
1,2,4-Trichlorobenzene	ND	ug/L	2000	590	2100	
1,1,1-Trichloroethane	1500	ug/L	2000	390	1400	
1,1,2-Trichloroethane	ND	ug/L	2000	390	1400	
Trichloroethene	[970]	ug/L	2000	650	2300	J

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938506 RW10 Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	400	1400	
1,2,3-Trichloropropane	ND	ug/L	2000	490	1700	
1,2,4-Trimethylbenzene	ND	ug/L	2000	420	1500	
1,3,5-Trimethylbenzene	ND	ug/L	2000	430	1500	
Vinyl chloride	ND	ug/L	2000	340	1200	
meta,para-Xylene	3100	ug/L	2000	740	2600	
MTBE	ND	ug/L	2000	410	1500	
Acetone	60000	ug/L	2000	8300	25000	
Methyl ethyl ketone	51000	ug/L	2000	1100	4000	
4-methyl-2-pentanone	[2300]	ug/L	2000	1100	3800	J
Isopropyl Ether	ND	ug/L	2000	440	1600	
Isopropyl Alcohol	[25000]	ug/L	2000	8900	31000	J
Dibromofluoromethane (SURR)	117%					S
Toluene-d8 (SURR)	97%					S
1-Bromo-4-Fluorobenzene (SURR)	112%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 72%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 9 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938507 RW11 Collected: 08/10/16 Analyzed: 08/18/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1250	300	1100	
Bromobenzene	ND	ug/L	1250	290	1000	
Bromochloromethane	ND	ug/L	1250	310	1100	
Bromodichloromethane	ND	ug/L	1250	330	1200	
Bromoform	ND	ug/L	1250	260	910	
Bromomethane	ND	ug/L	1250	340	1200	
n-Butylbenzene	ND	ug/L	1250	260	910	
sec-Butylbenzene	ND	ug/L	1250	230	820	
tert-Butylbenzene	ND	ug/L	1250	240	850	
Carbon Tetrachloride	ND	ug/L	1250	190	690	
Chlorobenzene	ND	ug/L	1250	310	1100	
Chloroethane	ND	ug/L	1250	1200	4100	
Chloroform	ND	ug/L	1250	280	980	
Chloromethane	ND	ug/L	1250	280	970	
2-Chlorotoluene	ND	ug/L	1250	320	1100	
4-Chlorotoluene	ND	ug/L	1250	260	910	
Dibromochloromethane	ND	ug/L	1250	200	700	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1250	220	780	
1,2-Dibromoethane	ND	ug/L	1250	290	1000	
Dibromomethane	ND	ug/L	1250	280	980	
1,2-Dichlorobenzene	ND	ug/L	1250	260	910	
1,3-Dichlorobenzene	ND	ug/L	1250	250	870	
1,4-Dichlorobenzene	ND	ug/L	1250	340	1200	
Dichlorodifluoromethane	ND	ug/L	1250	210	730	
1,1-Dichloroethane	[270]	ug/L	1250	240	830	J
1,2-Dichloroethane	ND	ug/L	1250	270	970	
1,1-Dichloroethene	ND	ug/L	1250	240	860	
cis-1,2-Dichloroethene	2000	ug/L	1250	300	1000	
trans-1,2-Dichloroethene	ND	ug/L	1250	210	750	
1,2-Dichloropropane	ND	ug/L	1250	350	1200	
1,3-Dichloropropane	ND	ug/L	1250	300	1100	
2,2-Dichloropropane	ND	ug/L	1250	230	800	
1,1-Dichloropropene	ND	ug/L	1250	250	870	
cis-1,3-Dichloropropene	ND	ug/L	1250	320	1100	
trans-1,3-Dichloropropene	ND	ug/L	1250	240	860	
Ethylbenzene	1200	ug/L	1250	240	860	
Hexachlorobutadiene	ND	ug/L	1250	380	1300	
Isopropylbenzene	ND	ug/L	1250	230	820	
p-Isopropyltoluene	ND	ug/L	1250	220	780	
Methylene chloride	ND	ug/L	1250	300	1000	
Naphthalene	ND	ug/L	1250	540	1900	
n-Propylbenzene	ND	ug/L	1250	260	930	
ortho-Xylene	1800	ug/L	1250	230	820	
Styrene	ND	ug/L	1250	230	820	
1,1,1,2-Tetrachloroethane	ND	ug/L	1250	250	880	
1,1,2,2-Tetrachloroethane	ND	ug/L	1250	330	1200	
Tetrachloroethene	ND	ug/L	1250	280	980	
Toluene	11000	ug/L	1250	260	920	
1,2,3-Trichlorobenzene	ND	ug/L	1250	470	1700	
1,2,4-Trichlorobenzene	ND	ug/L	1250	370	1300	
1,1,1-Trichloroethane	[790]	ug/L	1250	240	870	J
1,1,2-Trichloroethane	ND	ug/L	1250	240	860	
Trichloroethene	ND	ug/L	1250	400	1400	

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938507 RW11 Collected: 08/10/16 Analyzed: 08/18/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1250	250	880	
1,2,3-Trichloropropane	ND	ug/L	1250	310	1100	
1,2,4-Trimethylbenzene	[270]	ug/L	1250	260	920	J
1,3,5-Trimethylbenzene	ND	ug/L	1250	270	950	
Vinyl chloride	ND	ug/L	1250	210	750	
meta,para-Xylene	5800	ug/L	1250	460	1600	
MTBE	ND	ug/L	1250	260	910	
Acetone	ND	ug/L	1250	5200	16000	
Methyl ethyl ketone	ND	ug/L	1250	710	2500	
4-methyl-2-pentanone	ND	ug/L	1250	670	2400	
Isopropyl Ether	ND	ug/L	1250	280	980	
Isopropyl Alcohol	ND	ug/L	1250	5500	20000	
Dibromofluoromethane (SURR)	111%					S
Toluene-d8 (SURR)	98%					S
1-Bromo-4-Fluorobenzene (SURR)	103%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938508 Trip Blank Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	CC
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	[0.46]	ug/L	1	0.24	0.84	J LB
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	ND	ug/L	1	0.21	0.74	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 265203

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 08/22/2016 17:00

Sample: 938508 Trip Blank Collected: 08/10/16 Analyzed: 08/17/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	ND	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	111%					S
Toluene-d8 (SURR)	92%					S
1-Bromo-4-Fluorobenzene (SURR)	100%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

LB = Compound is suspected of being a laboratory contaminant.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 72%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 1 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943295 Reservoir Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	CC
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	ND	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	[0.21]	ug/L	1	0.21	0.74	J
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943295 Reservoir Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	[6.2]	ug/L	1	4.2	12	J
Methyl ethyl ketone	[1.0]	ug/L	1	0.57	2.0	J
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	20	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	101%					S
Toluene-d8 (SURR)	110%					S
1-Bromo-4-Fluorobenzene (SURR)	98%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 3 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943296 Production Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	25	6.0	21	
Bromobenzene	ND	ug/L	25	5.8	21	
Bromochloromethane	ND	ug/L	25	6.2	22	
Bromodichloromethane	ND	ug/L	25	6.6	23	
Bromoform	ND	ug/L	25	5.1	18	
Bromomethane	ND	ug/L	25	6.7	24	CC
n-Butylbenzene	ND	ug/L	25	5.2	18	
sec-Butylbenzene	ND	ug/L	25	4.6	16	
tert-Butylbenzene	ND	ug/L	25	4.8	17	
Carbon Tetrachloride	ND	ug/L	25	3.9	14	
Chlorobenzene	ND	ug/L	25	6.1	22	
Chloroethane	ND	ug/L	25	23	82	
Chloroform	ND	ug/L	25	5.5	20	
Chloromethane	ND	ug/L	25	5.5	19	
2-Chlorotoluene	ND	ug/L	25	6.3	22	
4-Chlorotoluene	ND	ug/L	25	5.1	18	
Dibromochloromethane	ND	ug/L	25	4.0	14	
1,2-Dibromo-3-Chloropropane	ND	ug/L	25	4.4	16	
1,2-Dibromoethane	ND	ug/L	25	5.7	20	
Dibromomethane	ND	ug/L	25	5.5	20	
1,2-Dichlorobenzene	ND	ug/L	25	5.1	18	
1,3-Dichlorobenzene	ND	ug/L	25	4.9	17	
1,4-Dichlorobenzene	ND	ug/L	25	6.7	24	
Dichlorodifluoromethane	ND	ug/L	25	4.1	15	
1,1-Dichloroethane	ND	ug/L	25	4.7	17	
1,2-Dichloroethane	ND	ug/L	25	5.5	19	
1,1-Dichloroethene	ND	ug/L	25	4.9	17	
cis-1,2-Dichloroethene	ND	ug/L	25	5.9	21	
trans-1,2-Dichloroethene	ND	ug/L	25	4.2	15	
1,2-Dichloropropane	ND	ug/L	25	6.9	24	
1,3-Dichloropropane	ND	ug/L	25	5.9	21	
2,2-Dichloropropane	ND	ug/L	25	4.6	16	
1,1-Dichloropropene	ND	ug/L	25	4.9	17	
cis-1,3-Dichloropropene	ND	ug/L	25	6.4	23	
trans-1,3-Dichloropropene	ND	ug/L	25	4.9	17	
Ethylbenzene	[11]	ug/L	25	4.8	17	J
Hexachlorobutadiene	ND	ug/L	25	7.5	27	
Isopropylbenzene	ND	ug/L	25	4.6	16	
p-Isopropyltoluene	ND	ug/L	25	4.4	16	
Methylene chloride	ND	ug/L	25	5.9	21	
Naphthalene	ND	ug/L	25	11	38	
n-Propylbenzene	ND	ug/L	25	5.3	19	
ortho-Xylene	[8.7]	ug/L	25	4.6	16	J
Styrene	ND	ug/L	25	4.7	16	
1,1,1,2-Tetrachloroethane	ND	ug/L	25	5.0	18	
1,1,2,2-Tetrachloroethane	ND	ug/L	25	6.6	23	
Tetrachloroethene	ND	ug/L	25	5.5	20	
Toluene	190	ug/L	25	5.2	18	
1,2,3-Trichlorobenzene	ND	ug/L	25	9.3	33	
1,2,4-Trichlorobenzene	ND	ug/L	25	7.4	26	
1,1,1-Trichloroethane	ND	ug/L	25	4.9	17	
1,1,2-Trichloroethane	ND	ug/L	25	4.9	17	
Trichloroethene	ND	ug/L	25	8.1	29	

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943296 Production Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	25	5.0	18	
1,2,3-Trichloropropane	ND	ug/L	25	6.2	22	
1,2,4-Trimethylbenzene	ND	ug/L	25	5.2	18	
1,3,5-Trimethylbenzene	ND	ug/L	25	5.3	19	
Vinyl chloride	ND	ug/L	25	4.3	15	
meta,para-Xylene	[28]	ug/L	25	9.3	33	J
MTBE	ND	ug/L	25	5.1	18	
Acetone	310	ug/L	25	100	310	J
Methyl ethyl ketone	74	ug/L	25	14	50	
4-methyl-2-pentanone	[19]	ug/L	25	13	48	J
Isopropyl Ether	ND	ug/L	25	5.5	20	
Isopropyl Alcohol	500	ug/L	25	110	390	
Dibromofluoromethane (SURR)	106%					S
Toluene-d8 (SURR)	112%					S
1-Bromo-4-Fluorobenzene (SURR)	102%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 5 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943297 RW6 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	800	190	670	
Bromobenzene	ND	ug/L	800	190	660	
Bromochloromethane	ND	ug/L	800	200	700	
Bromodichloromethane	ND	ug/L	800	210	750	
Bromoform	ND	ug/L	800	160	580	
Bromomethane	ND	ug/L	800	220	760	CC
n-Butylbenzene	ND	ug/L	800	160	580	
sec-Butylbenzene	ND	ug/L	800	150	520	
tert-Butylbenzene	ND	ug/L	800	150	540	
Carbon Tetrachloride	ND	ug/L	800	120	440	
Chlorobenzene	ND	ug/L	800	200	690	
Chloroethane	ND	ug/L	800	740	2600	
Chloroform	ND	ug/L	800	180	620	
Chloromethane	ND	ug/L	800	180	620	
2-Chlorotoluene	ND	ug/L	800	200	720	
4-Chlorotoluene	ND	ug/L	800	160	580	
Dibromochloromethane	ND	ug/L	800	130	450	
1,2-Dibromo-3-Chloropropane	ND	ug/L	800	140	500	
1,2-Dibromoethane	ND	ug/L	800	180	650	
Dibromomethane	ND	ug/L	800	180	630	
1,2-Dichlorobenzene	ND	ug/L	800	160	580	
1,3-Dichlorobenzene	ND	ug/L	800	160	560	
1,4-Dichlorobenzene	ND	ug/L	800	220	760	
Dichlorodifluoromethane	ND	ug/L	800	130	470	
1,1-Dichloroethane	ND	ug/L	800	150	530	
1,2-Dichloroethane	ND	ug/L	800	180	620	
1,1-Dichloroethene	ND	ug/L	800	160	550	
cis-1,2-Dichloroethene	ND	ug/L	800	190	670	
trans-1,2-Dichloroethene	ND	ug/L	800	140	480	
1,2-Dichloropropane	ND	ug/L	800	220	780	
1,3-Dichloropropane	ND	ug/L	800	190	670	
2,2-Dichloropropane	ND	ug/L	800	150	510	
1,1-Dichloropropene	ND	ug/L	800	160	560	
cis-1,3-Dichloropropene	ND	ug/L	800	200	720	
trans-1,3-Dichloropropene	ND	ug/L	800	160	550	
Ethylbenzene	880	ug/L	800	150	550	
Hexachlorobutadiene	ND	ug/L	800	240	850	
Isopropylbenzene	ND	ug/L	800	150	520	
p-Isopropyltoluene	ND	ug/L	800	140	500	
Methylene chloride	ND	ug/L	800	190	670	
Naphthalene	ND	ug/L	800	340	1200	
n-Propylbenzene	ND	ug/L	800	170	590	
ortho-Xylene	[470]	ug/L	800	150	530	J
Styrene	ND	ug/L	800	150	530	
1,1,1,2-Tetrachloroethane	ND	ug/L	800	160	560	
1,1,2,2-Tetrachloroethane	ND	ug/L	800	210	750	
Tetrachloroethene	ND	ug/L	800	180	630	
Toluene	7400	ug/L	800	170	590	
1,2,3-Trichlorobenzene	ND	ug/L	800	300	1100	
1,2,4-Trichlorobenzene	ND	ug/L	800	240	840	
1,1,1-Trichloroethane	ND	ug/L	800	160	550	
1,1,2-Trichloroethane	ND	ug/L	800	160	550	
Trichloroethene	ND	ug/L	800	260	920	

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943297 RW6 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	800	160	570	
1,2,3-Trichloropropane	ND	ug/L	800	200	700	
1,2,4-Trimethylbenzene	ND	ug/L	800	170	590	
1,3,5-Trimethylbenzene	ND	ug/L	800	170	610	
Vinyl chloride	ND	ug/L	800	140	480	
meta,para-Xylene	1700	ug/L	800	300	1100	
MTBE	ND	ug/L	800	160	580	
Acetone	ND	ug/L	800	3300	10000	
Methyl ethyl ketone	ND	ug/L	800	450	1600	
4-methyl-2-pentanone	[570]	ug/L	800	430	1500	J
Isopropyl Ether	ND	ug/L	800	180	620	
Isopropyl Alcohol	ND	ug/L	800	3500	13000	
Dibromofluoromethane (SURR)	98%					S
Toluene-d8 (SURR)	113%					S
1-Bromo-4-Fluorobenzene (SURR)	97%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 7 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943298 RW7 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	11	ug/L	10	2.4	8.4	
Bromobenzene	ND	ug/L	10	2.3	8.2	
Bromochloromethane	ND	ug/L	10	2.5	8.8	
Bromodichloromethane	ND	ug/L	10	2.7	9.4	
Bromoform	ND	ug/L	10	2.1	7.3	
Bromomethane	ND	ug/L	10	2.7	9.6	CC
n-Butylbenzene	ND	ug/L	10	2.1	7.3	
sec-Butylbenzene	ND	ug/L	10	1.9	6.6	
tert-Butylbenzene	ND	ug/L	10	1.9	6.8	
Carbon Tetrachloride	ND	ug/L	10	1.6	5.5	
Chlorobenzene	ND	ug/L	10	2.5	8.7	
Chloroethane	69	ug/L	10	9.3	33	
Chloroform	ND	ug/L	10	2.2	7.8	
Chloromethane	ND	ug/L	10	2.2	7.8	
2-Chlorotoluene	ND	ug/L	10	2.5	9.0	
4-Chlorotoluene	ND	ug/L	10	2.1	7.3	
Dibromochloromethane	ND	ug/L	10	1.6	5.6	
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1.8	6.3	
1,2-Dibromoethane	ND	ug/L	10	2.3	8.1	
Dibromomethane	ND	ug/L	10	2.2	7.8	
1,2-Dichlorobenzene	ND	ug/L	10	2.1	7.3	
1,3-Dichlorobenzene	ND	ug/L	10	2.0	7.0	
1,4-Dichlorobenzene	ND	ug/L	10	2.7	9.5	
Dichlorodifluoromethane	ND	ug/L	10	1.7	5.8	
1,1-Dichloroethane	42	ug/L	10	1.9	6.7	
1,2-Dichloroethane	ND	ug/L	10	2.2	7.8	
1,1-Dichloroethene	ND	ug/L	10	2.0	6.9	
cis-1,2-Dichloroethene	[8.3]	ug/L	10	2.4	8.4	J
trans-1,2-Dichloroethene	[2.3]	ug/L	10	1.7	6.0	J
1,2-Dichloropropane	ND	ug/L	10	2.8	9.8	
1,3-Dichloropropane	ND	ug/L	10	2.4	8.4	
2,2-Dichloropropane	ND	ug/L	10	1.8	6.4	
1,1-Dichloropropene	ND	ug/L	10	2.0	7.0	
cis-1,3-Dichloropropene	ND	ug/L	10	2.6	9.1	
trans-1,3-Dichloropropene	ND	ug/L	10	1.9	6.9	
Ethylbenzene	130	ug/L	10	1.9	6.9	
Hexachlorobutadiene	ND	ug/L	10	3.0	11	
Isopropylbenzene	ND	ug/L	10	1.9	6.5	
p-Isopropyltoluene	ND	ug/L	10	1.8	6.2	
Methylene chloride	ND	ug/L	10	2.4	8.4	
Naphthalene	ND	ug/L	10	4.3	15	
n-Propylbenzene	ND	ug/L	10	2.1	7.4	
ortho-Xylene	71	ug/L	10	1.9	6.6	
Styrene	ND	ug/L	10	1.9	6.6	
1,1,1,2-Tetrachloroethane	ND	ug/L	10	2.0	7.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	2.6	9.4	
Tetrachloroethene	ND	ug/L	10	2.2	7.8	
Toluene	28	ug/L	10	2.1	7.4	
1,2,3-Trichlorobenzene	ND	ug/L	10	3.7	13	
1,2,4-Trichlorobenzene	ND	ug/L	10	3.0	10	
1,1,1-Trichloroethane	ND	ug/L	10	2.0	6.9	
1,1,2-Trichloroethane	ND	ug/L	10	2.0	6.9	
Trichloroethene	ND	ug/L	10	3.2	11	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943298 RW7 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	10	2.0	7.1	
1,2,3-Trichloropropane	ND	ug/L	10	2.5	8.7	
1,2,4-Trimethylbenzene	[6.5]	ug/L	10	2.1	7.4	J
1,3,5-Trimethylbenzene	[2.4]	ug/L	10	2.1	7.6	J
Vinyl chloride	11	ug/L	10	1.7	6.0	
meta,para-Xylene	270	ug/L	10	3.7	13	
MTBE	ND	ug/L	10	2.1	7.3	
Acetone	ND	ug/L	10	42	120	
Methyl ethyl ketone	ND	ug/L	10	5.7	20	
4-methyl-2-pentanone	ND	ug/L	10	5.4	19	
Isopropyl Ether	[6.3]	ug/L	10	2.2	7.8	J
Isopropyl Alcohol	ND	ug/L	10	44	160	
Dibromofluoromethane (SURR)	105%					S
Toluene-d8 (SURR)	107%					S
1-Bromo-4-Fluorobenzene (SURR)	98%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 9 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943299 RW10 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	480	1700	
Bromobenzene	ND	ug/L	2000	460	1600	
Bromochloromethane	ND	ug/L	2000	500	1800	
Bromodichloromethane	ND	ug/L	2000	530	1900	
Bromoform	ND	ug/L	2000	410	1500	
Bromomethane	ND	ug/L	2000	540	1900	CC
n-Butylbenzene	ND	ug/L	2000	410	1500	
sec-Butylbenzene	ND	ug/L	2000	370	1300	
tert-Butylbenzene	ND	ug/L	2000	380	1400	
Carbon Tetrachloride	ND	ug/L	2000	310	1100	
Chlorobenzene	ND	ug/L	2000	490	1700	
Chloroethane	ND	ug/L	2000	1900	6600	
Chloroform	ND	ug/L	2000	440	1600	
Chloromethane	ND	ug/L	2000	440	1600	
2-Chlorotoluene	ND	ug/L	2000	510	1800	
4-Chlorotoluene	ND	ug/L	2000	410	1500	
Dibromochloromethane	ND	ug/L	2000	320	1100	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	350	1300	
1,2-Dibromoethane	ND	ug/L	2000	460	1600	
Dibromomethane	ND	ug/L	2000	440	1600	
1,2-Dichlorobenzene	ND	ug/L	2000	410	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	390	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	540	1900	
Dichlorodifluoromethane	ND	ug/L	2000	330	1200	
1,1-Dichloroethane	ND	ug/L	2000	380	1300	
1,2-Dichloroethane	ND	ug/L	2000	440	1600	
1,1-Dichloroethene	ND	ug/L	2000	390	1400	
cis-1,2-Dichloroethene	ND	ug/L	2000	470	1700	
trans-1,2-Dichloroethene	ND	ug/L	2000	340	1200	
1,2-Dichloropropane	ND	ug/L	2000	550	2000	
1,3-Dichloropropane	ND	ug/L	2000	470	1700	
2,2-Dichloropropane	ND	ug/L	2000	360	1300	
1,1-Dichloropropene	ND	ug/L	2000	390	1400	
cis-1,3-Dichloropropene	ND	ug/L	2000	510	1800	
trans-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
Ethylbenzene	[840]	ug/L	2000	390	1400	J
Hexachlorobutadiene	ND	ug/L	2000	600	2100	
Isopropylbenzene	ND	ug/L	2000	370	1300	
p-Isopropyltoluene	ND	ug/L	2000	350	1200	
Methylene chloride	ND	ug/L	2000	470	1700	
Naphthalene	ND	ug/L	2000	860	3000	
n-Propylbenzene	ND	ug/L	2000	420	1500	
ortho-Xylene	[730]	ug/L	2000	370	1300	J
Styrene	ND	ug/L	2000	370	1300	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	400	1400	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	530	1900	
Tetrachloroethene	ND	ug/L	2000	440	1600	
Toluene	16000	ug/L	2000	420	1500	
1,2,3-Trichlorobenzene	ND	ug/L	2000	750	2600	
1,2,4-Trichlorobenzene	ND	ug/L	2000	590	2100	
1,1,1-Trichloroethane	[1300]	ug/L	2000	390	1400	J
1,1,2-Trichloroethane	ND	ug/L	2000	390	1400	
Trichloroethene	[810]	ug/L	2000	650	2300	J

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943299 RW10 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	400	1400	
1,2,3-Trichloropropane	ND	ug/L	2000	490	1700	
1,2,4-Trimethylbenzene	ND	ug/L	2000	420	1500	
1,3,5-Trimethylbenzene	ND	ug/L	2000	430	1500	
Vinyl chloride	ND	ug/L	2000	340	1200	
meta,para-Xylene	2600	ug/L	2000	740	2600	
MTBE	ND	ug/L	2000	410	1500	
Acetone	51000	ug/L	2000	8300	25000	
Methyl ethyl ketone	42000	ug/L	2000	1100	4000	
4-methyl-2-pentanone	[2000]	ug/L	2000	1100	3800	J
Isopropyl Ether	ND	ug/L	2000	440	1600	
Isopropyl Alcohol	[17000]	ug/L	2000	8900	31000	J
Dibromofluoromethane (SURR)	107%					S
Toluene-d8 (SURR)	118%					S
1-Bromo-4-Fluorobenzene (SURR)	96%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 11 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943300 RW11 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	240	840	
Bromobenzene	ND	ug/L	1000	230	820	
Bromochloromethane	ND	ug/L	1000	250	880	
Bromodichloromethane	ND	ug/L	1000	270	940	
Bromoform	ND	ug/L	1000	210	730	
Bromomethane	ND	ug/L	1000	270	960	CC
n-Butylbenzene	ND	ug/L	1000	210	730	
sec-Butylbenzene	ND	ug/L	1000	190	660	
tert-Butylbenzene	ND	ug/L	1000	190	680	
Carbon Tetrachloride	ND	ug/L	1000	160	550	
Chlorobenzene	ND	ug/L	1000	250	870	
Chloroethane	ND	ug/L	1000	930	3300	
Chloroform	ND	ug/L	1000	220	780	
Chloromethane	ND	ug/L	1000	220	780	
2-Chlorotoluene	ND	ug/L	1000	250	900	
4-Chlorotoluene	ND	ug/L	1000	210	730	
Dibromochloromethane	ND	ug/L	1000	160	560	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	180	630	
1,2-Dibromoethane	ND	ug/L	1000	230	810	
Dibromomethane	ND	ug/L	1000	220	780	
1,2-Dichlorobenzene	ND	ug/L	1000	210	730	
1,3-Dichlorobenzene	ND	ug/L	1000	200	700	
1,4-Dichlorobenzene	ND	ug/L	1000	270	950	
Dichlorodifluoromethane	ND	ug/L	1000	170	580	
1,1-Dichloroethane	[220]	ug/L	1000	190	670	J
1,2-Dichloroethane	ND	ug/L	1000	220	780	
1,1-Dichloroethene	ND	ug/L	1000	200	690	
cis-1,2-Dichloroethene	1500	ug/L	1000	240	840	
trans-1,2-Dichloroethene	ND	ug/L	1000	170	600	
1,2-Dichloropropane	ND	ug/L	1000	280	980	
1,3-Dichloropropane	ND	ug/L	1000	240	840	
2,2-Dichloropropane	ND	ug/L	1000	180	640	
1,1-Dichloropropene	ND	ug/L	1000	200	700	
cis-1,3-Dichloropropene	ND	ug/L	1000	260	910	
trans-1,3-Dichloropropene	ND	ug/L	1000	190	690	
Ethylbenzene	1000	ug/L	1000	190	690	
Hexachlorobutadiene	ND	ug/L	1000	300	1100	
Isopropylbenzene	ND	ug/L	1000	190	650	
p-Isopropyltoluene	ND	ug/L	1000	180	620	
Methylene chloride	ND	ug/L	1000	240	840	
Naphthalene	ND	ug/L	1000	430	1500	
n-Propylbenzene	ND	ug/L	1000	210	740	
ortho-Xylene	1600	ug/L	1000	190	660	
Styrene	ND	ug/L	1000	190	660	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	200	700	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	260	940	
Tetrachloroethene	ND	ug/L	1000	220	780	
Toluene	11000	ug/L	1000	210	740	
1,2,3-Trichlorobenzene	ND	ug/L	1000	370	1300	
1,2,4-Trichlorobenzene	ND	ug/L	1000	300	1000	
1,1,1-Trichloroethane	[610]	ug/L	1000	200	690	J
1,1,2-Trichloroethane	ND	ug/L	1000	200	690	
Trichloroethene	ND	ug/L	1000	320	1100	

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943300 RW11 Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	200	710	
1,2,3-Trichloropropane	ND	ug/L	1000	250	870	
1,2,4-Trimethylbenzene	ND	ug/L	1000	210	740	
1,3,5-Trimethylbenzene	ND	ug/L	1000	210	760	
Vinyl chloride	ND	ug/L	1000	170	600	
meta,para-Xylene	5100	ug/L	1000	370	1300	
MTBE	ND	ug/L	1000	210	730	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	570	2000	
4-methyl-2-pentanone	ND	ug/L	1000	540	1900	
Isopropyl Ether	ND	ug/L	1000	220	780	
Isopropyl Alcohol	ND	ug/L	1000	4400	16000	
Dibromofluoromethane (SURR)	102%					S
Toluene-d8 (SURR)	107%					S
1-Bromo-4-Fluorobenzene (SURR)	98%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 13 of 14

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943301 Trip Blank Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	CC
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	ND	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	ND	ug/L	1	0.21	0.74	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 266676

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 09/09/2016 17:06

Sample: 943301 Trip Blank Collected: 09/06/16 Analyzed: 09/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	ND	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	111%					S
1-Bromo-4-Fluorobenzene (SURR)	102%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Bromomethane recovery 61%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 1 of 2

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 10/17/2016 17:00

Sample: 951692 RW9 Collected: 10/05/16 Analyzed: 10/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	2.4	ug/L	1	0.27	0.94	
Bromoform	32	ug/L	50	7.9	28	
Bromomethane	ND	ug/L	1	0.27	0.96	
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	[0.59]	ug/L	1	0.22	0.78	J
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	13	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	[0.34]	ug/L	1	0.22	0.78	J
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	[0.21]	ug/L	1	0.19	0.67	J
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	0.94	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	1.3	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	[0.40]	ug/L	1	0.22	0.78	J
Toluene	[0.44]	ug/L	1	0.21	0.74	J
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	2.8	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	1.8	ug/L	1	0.32	1.1	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 10/17/2016 17:00

Sample: 951692 RW9 Collected: 10/05/16 Analyzed: 10/14/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	26	ug/L	1	4.2	12	
Methyl ethyl ketone	3.1	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	49	ug/L	1	4.4	16	CC
Dibromofluoromethane (SURR)	108%					S
Toluene-d8 (SURR)	109%					S
1-Bromo-4-Fluorobenzene (SURR)	103%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 75%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 1 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951684 Production Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	20	3.9	14	
Bromobenzene	ND	ug/L	20	4.9	17	
Bromochloromethane	ND	ug/L	20	3.0	11	
Bromodichloromethane	ND	ug/L	20	3.9	14	
Bromoform	ND	ug/L	20	3.2	11	
Bromomethane	ND	ug/L	20	4.5	16	
n-Butylbenzene	ND	ug/L	20	3.8	13	
sec-Butylbenzene	ND	ug/L	20	4.0	14	
tert-Butylbenzene	ND	ug/L	20	4.0	14	
Carbon Tetrachloride	ND	ug/L	20	3.7	13	
Chlorobenzene	ND	ug/L	20	3.2	11	
Chloroethane	ND	ug/L	20	31	110	
Chloroform	ND	ug/L	20	3.4	12	
Chloromethane	ND	ug/L	20	3.9	14	
2-Chlorotoluene	ND	ug/L	20	4.2	15	
4-Chlorotoluene	ND	ug/L	20	3.8	14	
Dibromochloromethane	ND	ug/L	20	3.4	12	
1,2-Dibromo-3-Chloropropane	ND	ug/L	20	4.1	15	
1,2-Dibromoethane	ND	ug/L	20	2.4	8.6	
Dibromomethane	ND	ug/L	20	4.1	15	
1,2-Dichlorobenzene	ND	ug/L	20	4.3	15	
1,3-Dichlorobenzene	ND	ug/L	20	4.0	14	
1,4-Dichlorobenzene	ND	ug/L	20	4.3	15	
Dichlorodifluoromethane	ND	ug/L	20	2.8	9.8	
1,1-Dichloroethane	ND	ug/L	20	3.6	13	
1,2-Dichloroethane	ND	ug/L	20	3.9	14	
1,1-Dichloroethene	ND	ug/L	20	3.2	11	
cis-1,2-Dichloroethene	ND	ug/L	20	3.5	12	
trans-1,2-Dichloroethene	ND	ug/L	20	2.9	10	
1,2-Dichloropropane	ND	ug/L	20	4.7	17	
1,3-Dichloropropane	ND	ug/L	20	3.6	13	
2,2-Dichloropropane	ND	ug/L	20	2.3	8.2	
1,1-Dichloropropene	ND	ug/L	20	3.0	11	
cis-1,3-Dichloropropene	ND	ug/L	20	3.9	14	
trans-1,3-Dichloropropene	ND	ug/L	20	2.9	10	
Ethylbenzene	ND	ug/L	20	6.0	21	
Hexachlorobutadiene	ND	ug/L	20	3.9	14	
Isopropylbenzene	ND	ug/L	20	3.4	12	
p-Isopropyltoluene	ND	ug/L	20	3.9	14	
Methylene chloride	ND	ug/L	20	4.0	14	
Naphthalene	ND	ug/L	20	5.9	21	
n-Propylbenzene	ND	ug/L	20	4.0	14	
ortho-Xylene	[7.4]	ug/L	20	3.1	11	J
Styrene	ND	ug/L	20	3.2	11	
1,1,1,2-Tetrachloroethane	ND	ug/L	20	3.7	13	
1,1,2,2-Tetrachloroethane	ND	ug/L	20	3.9	14	
Tetrachloroethene	ND	ug/L	20	3.3	12	
Toluene	180	ug/L	20	3.8	14	
1,2,3-Trichlorobenzene	ND	ug/L	20	3.9	14	
1,2,4-Trichlorobenzene	ND	ug/L	20	3.6	13	
1,1,1-Trichloroethane	ND	ug/L	20	3.4	12	
1,1,2-Trichloroethane	ND	ug/L	20	3.4	12	
Trichloroethene	ND	ug/L	20	4.7	17	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951684 Production Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	20	3.4	12	
1,2,3-Trichloropropane	ND	ug/L	20	5.8	21	
1,2,4-Trimethylbenzene	ND	ug/L	20	3.7	13	
1,3,5-Trimethylbenzene	ND	ug/L	20	4.0	14	
Vinyl chloride	ND	ug/L	20	3.2	11	
meta,para-Xylene	26	ug/L	20	6.4	23	
MTBE	ND	ug/L	20	4.3	15	
Acetone	400	ug/L	20	83	250	
Methyl ethyl ketone	77	ug/L	20	10	36	
4-methyl-2-pentanone	[14]	ug/L	20	7.9	28	J
Isopropyl Ether	ND	ug/L	20	3.7	13	
Isopropyl Alcohol	400	ug/L	20	99	350	CC
Dibromofluoromethane (SURR)	111%					S
Toluene-d8 (SURR)	103%					S
1-Bromo-4-Fluorobenzene (SURR)	105%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 71%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 3 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951685 RW6 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	800	160	550	
Bromobenzene	ND	ug/L	800	200	690	
Bromochloromethane	ND	ug/L	800	120	430	
Bromodichloromethane	ND	ug/L	800	150	550	
Bromoform	ND	ug/L	800	130	450	
Bromomethane	ND	ug/L	800	180	630	
n-Butylbenzene	ND	ug/L	800	150	530	
sec-Butylbenzene	ND	ug/L	800	160	570	
tert-Butylbenzene	ND	ug/L	800	160	570	
Carbon Tetrachloride	ND	ug/L	800	150	530	
Chlorobenzene	ND	ug/L	800	130	450	
Chloroethane	ND	ug/L	800	1200	4300	
Chloroform	ND	ug/L	800	130	480	
Chloromethane	ND	ug/L	800	150	550	
2-Chlorotoluene	ND	ug/L	800	170	600	
4-Chlorotoluene	ND	ug/L	800	150	540	
Dibromochloromethane	ND	ug/L	800	140	490	
1,2-Dibromo-3-Chloropropane	ND	ug/L	800	160	580	
1,2-Dibromoethane	ND	ug/L	800	97	340	
Dibromomethane	ND	ug/L	800	160	580	
1,2-Dichlorobenzene	ND	ug/L	800	170	610	
1,3-Dichlorobenzene	ND	ug/L	800	160	570	
1,4-Dichlorobenzene	ND	ug/L	800	170	610	
Dichlorodifluoromethane	ND	ug/L	800	110	390	
1,1-Dichloroethane	ND	ug/L	800	140	510	
1,2-Dichloroethane	ND	ug/L	800	160	550	
1,1-Dichloroethene	ND	ug/L	800	130	460	
cis-1,2-Dichloroethene	ND	ug/L	800	140	500	
trans-1,2-Dichloroethene	ND	ug/L	800	120	410	
1,2-Dichloropropane	ND	ug/L	800	190	670	
1,3-Dichloropropane	ND	ug/L	800	140	500	
2,2-Dichloropropane	ND	ug/L	800	92	330	
1,1-Dichloropropene	ND	ug/L	800	120	430	
cis-1,3-Dichloropropene	ND	ug/L	800	150	550	
trans-1,3-Dichloropropene	ND	ug/L	800	120	410	
Ethylbenzene	930	ug/L	800	240	850	
Hexachlorobutadiene	ND	ug/L	800	160	550	
Isopropylbenzene	ND	ug/L	800	140	480	
p-Isopropyltoluene	ND	ug/L	800	150	550	
Methylene chloride	ND	ug/L	800	160	560	
Naphthalene	ND	ug/L	800	230	830	
n-Propylbenzene	ND	ug/L	800	160	560	
ortho-Xylene	540	ug/L	800	130	440	
Styrene	ND	ug/L	800	130	450	
1,1,1,2-Tetrachloroethane	ND	ug/L	800	150	530	
1,1,2,2-Tetrachloroethane	ND	ug/L	800	150	550	
Tetrachloroethene	ND	ug/L	800	130	470	
Toluene	6700	ug/L	800	150	540	
1,2,3-Trichlorobenzene	ND	ug/L	800	160	560	
1,2,4-Trichlorobenzene	ND	ug/L	800	140	500	
1,1,1-Trichloroethane	ND	ug/L	800	140	490	
1,1,2-Trichloroethane	ND	ug/L	800	130	480	
Trichloroethene	ND	ug/L	800	190	670	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951685 RW6 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	800	140	480	
1,2,3-Trichloropropane	ND	ug/L	800	230	820	
1,2,4-Trimethylbenzene	ND	ug/L	800	150	520	
1,3,5-Trimethylbenzene	ND	ug/L	800	160	570	
Vinyl chloride	ND	ug/L	800	130	460	
meta,para-Xylene	1900	ug/L	800	260	900	
MTBE	ND	ug/L	800	170	610	
Acetone	ND	ug/L	800	3300	10000	
Methyl ethyl ketone	ND	ug/L	800	400	1400	
4-methyl-2-pentanone	ND	ug/L	800	320	1100	
Isopropyl Ether	ND	ug/L	800	150	530	
Isopropyl Alcohol	ND	ug/L	800	4000	14000	CC
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	105%					S
1-Bromo-4-Fluorobenzene (SURR)	109%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 71%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 5 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951686 RW7 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	11	ug/L	10	1.9	6.9	
Bromobenzene	ND	ug/L	10	2.5	8.7	
Bromochloromethane	ND	ug/L	10	1.5	5.4	
Bromodichloromethane	ND	ug/L	10	1.9	6.8	
Bromoform	ND	ug/L	10	1.6	5.6	
Bromomethane	ND	ug/L	10	2.2	7.9	
n-Butylbenzene	ND	ug/L	10	1.9	6.7	
sec-Butylbenzene	ND	ug/L	10	2.0	7.1	
tert-Butylbenzene	ND	ug/L	10	2.0	7.1	
Carbon Tetrachloride	ND	ug/L	10	1.9	6.6	
Chlorobenzene	ND	ug/L	10	1.6	5.6	
Chloroethane	[52]	ug/L	10	15	54	J CC
Chloroform	ND	ug/L	10	1.7	6.0	
Chloromethane	ND	ug/L	10	1.9	6.8	
2-Chlorotoluene	ND	ug/L	10	2.1	7.5	
4-Chlorotoluene	ND	ug/L	10	1.9	6.8	
Dibromochloromethane	ND	ug/L	10	1.7	6.1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	2.1	7.3	
1,2-Dibromoethane	ND	ug/L	10	1.2	4.3	
Dibromomethane	ND	ug/L	10	2.1	7.3	
1,2-Dichlorobenzene	ND	ug/L	10	2.2	7.6	
1,3-Dichlorobenzene	ND	ug/L	10	2.0	7.2	
1,4-Dichlorobenzene	ND	ug/L	10	2.1	7.6	
Dichlorodifluoromethane	[4.0]	ug/L	10	1.4	4.9	J
1,1-Dichloroethane	47	ug/L	10	1.8	6.4	
1,2-Dichloroethane	ND	ug/L	10	1.9	6.9	
1,1-Dichloroethene	ND	ug/L	10	1.6	5.7	
cis-1,2-Dichloroethene	9.0	ug/L	10	1.8	6.2	
trans-1,2-Dichloroethene	[2.3]	ug/L	10	1.5	5.1	J
1,2-Dichloropropane	ND	ug/L	10	2.4	8.4	
1,3-Dichloropropane	ND	ug/L	10	1.8	6.3	
2,2-Dichloropropane	ND	ug/L	10	1.2	4.1	
1,1-Dichloropropene	ND	ug/L	10	1.5	5.4	
cis-1,3-Dichloropropene	ND	ug/L	10	1.9	6.8	
trans-1,3-Dichloropropene	ND	ug/L	10	1.4	5.1	
Ethylbenzene	190	ug/L	10	3.0	11	
Hexachlorobutadiene	ND	ug/L	10	2.0	6.9	
Isopropylbenzene	ND	ug/L	10	1.7	6.0	
p-Isopropyltoluene	ND	ug/L	10	1.9	6.8	
Methylene chloride	ND	ug/L	10	2.0	7.0	
Naphthalene	ND	ug/L	10	2.9	10	
n-Propylbenzene	ND	ug/L	10	2.0	7.1	
ortho-Xylene	75	ug/L	10	1.6	5.6	
Styrene	ND	ug/L	10	1.6	5.6	
1,1,1,2-Tetrachloroethane	ND	ug/L	10	1.9	6.6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	1.9	6.8	
Tetrachloroethene	ND	ug/L	10	1.7	5.8	
Toluene	34	ug/L	10	1.9	6.8	
1,2,3-Trichlorobenzene	ND	ug/L	10	2.0	7.0	
1,2,4-Trichlorobenzene	ND	ug/L	10	1.8	6.3	
1,1,1-Trichloroethane	ND	ug/L	10	1.7	6.1	
1,1,2-Trichloroethane	ND	ug/L	10	1.7	5.9	
Trichloroethene	[2.4]	ug/L	10	2.4	8.4	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951686 RW7 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	10	1.7	6.0	
1,2,3-Trichloropropane	ND	ug/L	10	2.9	10	
1,2,4-Trimethylbenzene	6.8	ug/L	10	1.8	6.5	
1,3,5-Trimethylbenzene	[2.2]	ug/L	10	2.0	7.1	J
Vinyl chloride	15	ug/L	10	1.6	5.7	
meta,para-Xylene	270	ug/L	10	3.2	11	
MTBE	ND	ug/L	10	2.2	7.6	
Acetone	ND	ug/L	10	42	120	
Methyl ethyl ketone	ND	ug/L	10	5.0	18	
4-methyl-2-pentanone	ND	ug/L	10	4.0	14	
Isopropyl Ether	[4.7]	ug/L	10	1.9	6.6	J
Isopropyl Alcohol	ND	ug/L	10	50	180	CC
Dibromofluoromethane (SURR)	108%					S
Toluene-d8 (SURR)	101%					S
1-Bromo-4-Fluorobenzene (SURR)	107%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Chloroethane recovery 128%

Isopropyl Alcohol recovery 71%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 7 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951687 RW10 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	390	1400	
Bromobenzene	ND	ug/L	2000	490	1700	
Bromochloromethane	ND	ug/L	2000	300	1100	
Bromodichloromethane	ND	ug/L	2000	390	1400	
Bromoform	ND	ug/L	2000	320	1100	
Bromomethane	ND	ug/L	2000	450	1600	
n-Butylbenzene	ND	ug/L	2000	380	1300	
sec-Butylbenzene	ND	ug/L	2000	400	1400	
tert-Butylbenzene	ND	ug/L	2000	400	1400	
Carbon Tetrachloride	ND	ug/L	2000	370	1300	
Chlorobenzene	ND	ug/L	2000	320	1100	
Chloroethane	ND	ug/L	2000	3100	11000	
Chloroform	ND	ug/L	2000	340	1200	
Chloromethane	ND	ug/L	2000	390	1400	
2-Chlorotoluene	ND	ug/L	2000	420	1500	
4-Chlorotoluene	ND	ug/L	2000	380	1400	
Dibromochloromethane	ND	ug/L	2000	340	1200	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	410	1500	
1,2-Dibromoethane	ND	ug/L	2000	240	860	
Dibromomethane	ND	ug/L	2000	410	1500	
1,2-Dichlorobenzene	ND	ug/L	2000	430	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	400	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	430	1500	
Dichlorodifluoromethane	ND	ug/L	2000	280	980	
1,1-Dichloroethane	ND	ug/L	2000	360	1300	
1,2-Dichloroethane	ND	ug/L	2000	390	1400	
1,1-Dichloroethene	ND	ug/L	2000	320	1100	
cis-1,2-Dichloroethene	[390]	ug/L	2000	350	1200	J
trans-1,2-Dichloroethene	ND	ug/L	2000	290	1000	
1,2-Dichloropropane	ND	ug/L	2000	470	1700	
1,3-Dichloropropane	ND	ug/L	2000	360	1300	
2,2-Dichloropropane	ND	ug/L	2000	230	820	
1,1-Dichloropropene	ND	ug/L	2000	300	1100	
cis-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
trans-1,3-Dichloropropene	ND	ug/L	2000	290	1000	
Ethylbenzene	ND	ug/L	2000	600	2100	
Hexachlorobutadiene	ND	ug/L	2000	390	1400	
Isopropylbenzene	ND	ug/L	2000	340	1200	
p-Isopropyltoluene	ND	ug/L	2000	390	1400	
Methylene chloride	[530]	ug/L	2000	400	1400	J
Naphthalene	ND	ug/L	2000	590	2100	
n-Propylbenzene	ND	ug/L	2000	400	1400	
ortho-Xylene	1400	ug/L	2000	310	1100	
Styrene	ND	ug/L	2000	320	1100	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	370	1300	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	390	1400	
Tetrachloroethene	ND	ug/L	2000	330	1200	
Toluene	23000	ug/L	2000	380	1400	
1,2,3-Trichlorobenzene	ND	ug/L	2000	390	1400	
1,2,4-Trichlorobenzene	ND	ug/L	2000	360	1300	
1,1,1-Trichloroethane	1900	ug/L	2000	340	1200	
1,1,2-Trichloroethane	ND	ug/L	2000	340	1200	
Trichloroethene	[1200]	ug/L	2000	470	1700	J

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951687 RW10 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	340	1200	
1,2,3-Trichloropropane	ND	ug/L	2000	580	2100	
1,2,4-Trimethylbenzene	ND	ug/L	2000	370	1300	
1,3,5-Trimethylbenzene	ND	ug/L	2000	400	1400	
Vinyl chloride	ND	ug/L	2000	320	1100	
meta,para-Xylene	5500	ug/L	2000	640	2300	
MTBE	ND	ug/L	2000	430	1500	
Acetone	62000	ug/L	2000	8300	25000	
Methyl ethyl ketone	37000	ug/L	2000	1000	3600	
4-methyl-2-pentanone	[1300]	ug/L	2000	790	2800	J
Isopropyl Ether	ND	ug/L	2000	370	1300	
Isopropyl Alcohol	[23000]	ug/L	2000	9900	35000	J CC
Dibromofluoromethane (SURR)	108%					S
Toluene-d8 (SURR)	102%					S
1-Bromo-4-Fluorobenzene (SURR)	105%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 71%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 9 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951688 RW11 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	190	690	
Bromobenzene	ND	ug/L	1000	250	870	
Bromochloromethane	ND	ug/L	1000	150	540	
Bromodichloromethane	ND	ug/L	1000	190	680	
Bromoform	ND	ug/L	1000	160	560	
Bromomethane	ND	ug/L	1000	220	790	
n-Butylbenzene	ND	ug/L	1000	190	670	
sec-Butylbenzene	ND	ug/L	1000	200	710	
tert-Butylbenzene	ND	ug/L	1000	200	710	
Carbon Tetrachloride	ND	ug/L	1000	190	660	
Chlorobenzene	ND	ug/L	1000	160	560	
Chloroethane	ND	ug/L	1000	1500	5400	
Chloroform	ND	ug/L	1000	170	600	
Chloromethane	ND	ug/L	1000	190	680	
2-Chlorotoluene	ND	ug/L	1000	210	750	
4-Chlorotoluene	ND	ug/L	1000	190	680	
Dibromochloromethane	ND	ug/L	1000	170	610	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	210	730	
1,2-Dibromoethane	ND	ug/L	1000	120	430	
Dibromomethane	ND	ug/L	1000	210	730	
1,2-Dichlorobenzene	ND	ug/L	1000	220	760	
1,3-Dichlorobenzene	ND	ug/L	1000	200	720	
1,4-Dichlorobenzene	ND	ug/L	1000	210	760	
Dichlorodifluoromethane	ND	ug/L	1000	140	490	
1,1-Dichloroethane	[300]	ug/L	1000	180	640	J
1,2-Dichloroethane	ND	ug/L	1000	190	690	
1,1-Dichloroethene	ND	ug/L	1000	160	570	
cis-1,2-Dichloroethene	1800	ug/L	1000	180	620	
trans-1,2-Dichloroethene	ND	ug/L	1000	150	510	
1,2-Dichloropropane	ND	ug/L	1000	240	840	
1,3-Dichloropropane	ND	ug/L	1000	180	630	
2,2-Dichloropropane	ND	ug/L	1000	120	410	
1,1-Dichloropropene	ND	ug/L	1000	150	540	
cis-1,3-Dichloropropene	ND	ug/L	1000	190	680	
trans-1,3-Dichloropropene	ND	ug/L	1000	140	510	
Ethylbenzene	ND	ug/L	1000	300	1100	
Hexachlorobutadiene	ND	ug/L	1000	200	690	
Isopropylbenzene	ND	ug/L	1000	170	600	
p-Isopropyltoluene	ND	ug/L	1000	190	680	
Methylene chloride	ND	ug/L	1000	200	700	
Naphthalene	ND	ug/L	1000	290	1000	
n-Propylbenzene	ND	ug/L	1000	200	710	
ortho-Xylene	1800	ug/L	1000	160	560	
Styrene	ND	ug/L	1000	160	560	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	190	660	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	190	680	
Tetrachloroethene	ND	ug/L	1000	170	580	
Toluene	13000	ug/L	1000	190	680	
1,2,3-Trichlorobenzene	ND	ug/L	1000	200	700	
1,2,4-Trichlorobenzene	ND	ug/L	1000	180	630	
1,1,1-Trichloroethane	910	ug/L	1000	170	610	
1,1,2-Trichloroethane	ND	ug/L	1000	170	590	
Trichloroethene	ND	ug/L	1000	240	840	

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951688 RW11 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	170	600	
1,2,3-Trichloropropane	ND	ug/L	1000	290	1000	
1,2,4-Trimethylbenzene	[240]	ug/L	1000	180	650	J
1,3,5-Trimethylbenzene	ND	ug/L	1000	200	710	
Vinyl chloride	ND	ug/L	1000	160	570	
meta,para-Xylene	5300	ug/L	1000	320	1100	
MTBE	ND	ug/L	1000	220	760	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	500	1800	
4-methyl-2-pentanone	ND	ug/L	1000	400	1400	
Isopropyl Ether	ND	ug/L	1000	190	660	
Isopropyl Alcohol	ND	ug/L	1000	5000	18000	CC
Dibromofluoromethane (SURR)	111%					S
Toluene-d8 (SURR)	107%					S
1-Bromo-4-Fluorobenzene (SURR)	106%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 71%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 11 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951689 RW2 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	50	9.7	34	
Bromobenzene	ND	ug/L	50	12	43	
Bromochloromethane	ND	ug/L	50	7.6	27	
Bromodichloromethane	ND	ug/L	50	9.7	34	
Bromoform	ND	ug/L	50	7.9	28	
Bromomethane	ND	ug/L	50	11	40	
n-Butylbenzene	ND	ug/L	50	9.4	33	
sec-Butylbenzene	ND	ug/L	50	10	35	
tert-Butylbenzene	ND	ug/L	50	10	35	
Carbon Tetrachloride	ND	ug/L	50	9.4	33	
Chlorobenzene	ND	ug/L	50	7.9	28	
Chloroethane	ND	ug/L	50	77	270	
Chloroform	ND	ug/L	50	8.4	30	
Chloromethane	ND	ug/L	50	9.7	34	
2-Chlorotoluene	ND	ug/L	50	11	38	
4-Chlorotoluene	ND	ug/L	50	9.6	34	
Dibromochloromethane	ND	ug/L	50	8.6	31	
1,2-Dibromo-3-Chloropropane	ND	ug/L	50	10	37	
1,2-Dibromoethane	ND	ug/L	50	6.1	21	
Dibromomethane	ND	ug/L	50	10	37	
1,2-Dichlorobenzene	ND	ug/L	50	11	38	
1,3-Dichlorobenzene	ND	ug/L	50	10	36	
1,4-Dichlorobenzene	ND	ug/L	50	11	38	
Dichlorodifluoromethane	ND	ug/L	50	6.9	24	
1,1-Dichloroethane	46	ug/L	50	9.0	32	
1,2-Dichloroethane	ND	ug/L	50	9.7	34	
1,1-Dichloroethene	ND	ug/L	50	8.1	29	
cis-1,2-Dichloroethene	650	ug/L	50	8.8	31	
trans-1,2-Dichloroethene	ND	ug/L	50	7.3	26	
1,2-Dichloropropane	ND	ug/L	50	12	42	
1,3-Dichloropropane	ND	ug/L	50	8.9	31	
2,2-Dichloropropane	ND	ug/L	50	5.8	20	
1,1-Dichloropropene	ND	ug/L	50	7.6	27	
cis-1,3-Dichloropropene	ND	ug/L	50	9.7	34	
trans-1,3-Dichloropropene	ND	ug/L	50	7.2	26	
Ethylbenzene	ND	ug/L	50	15	53	
Hexachlorobutadiene	ND	ug/L	50	9.8	35	
Isopropylbenzene	ND	ug/L	50	8.5	30	
p-Isopropyltoluene	ND	ug/L	50	9.7	34	
Methylene chloride	[14]	ug/L	50	9.9	35	J
Naphthalene	ND	ug/L	50	15	52	
n-Propylbenzene	ND	ug/L	50	10	35	
ortho-Xylene	ND	ug/L	50	7.9	28	
Styrene	ND	ug/L	50	8.0	28	
1,1,1,2-Tetrachloroethane	ND	ug/L	50	9.4	33	
1,1,2,2-Tetrachloroethane	ND	ug/L	50	9.7	34	
Tetrachloroethene	[8.7]	ug/L	50	8.3	29	J
Toluene	ND	ug/L	50	9.6	34	
1,2,3-Trichlorobenzene	ND	ug/L	50	9.9	35	
1,2,4-Trichlorobenzene	ND	ug/L	50	8.9	32	
1,1,1-Trichloroethane	340	ug/L	50	8.6	30	
1,1,2-Trichloroethane	[18]	ug/L	50	8.4	30	J
Trichloroethene	ND	ug/L	50	12	42	

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951689 RW2 Collected: 10/05/16 Analyzed: 10/12/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	50	8.5	30	
1,2,3-Trichloropropane	ND	ug/L	50	15	52	
1,2,4-Trimethylbenzene	ND	ug/L	50	9.2	33	
1,3,5-Trimethylbenzene	ND	ug/L	50	10	36	
Vinyl chloride	ND	ug/L	50	8.1	29	
meta,para-Xylene	ND	ug/L	50	16	57	
MTBE	ND	ug/L	50	11	38	
Acetone	ND	ug/L	50	210	620	
Methyl ethyl ketone	ND	ug/L	50	25	89	
4-methyl-2-pentanone	ND	ug/L	50	20	70	
Isopropyl Ether	ND	ug/L	50	9.4	33	
Isopropyl Alcohol	ND	ug/L	50	250	880	CC
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	105%					S
1-Bromo-4-Fluorobenzene (SURR)	109%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Isopropyl Alcohol recovery 71%

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951690 RW4 Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.19	0.69	
Bromobenzene	ND	ug/L	1	0.25	0.87	
Bromochloromethane	ND	ug/L	1	0.15	0.54	
Bromodichloromethane	ND	ug/L	1	0.19	0.68	
Bromoform	ND	ug/L	1	0.16	0.56	
Bromomethane	ND	ug/L	1	0.22	0.79	
n-Butylbenzene	ND	ug/L	1	0.19	0.67	
sec-Butylbenzene	ND	ug/L	1	0.20	0.71	
tert-Butylbenzene	ND	ug/L	1	0.20	0.71	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.66	
Chlorobenzene	ND	ug/L	1	0.16	0.56	
Chloroethane	35	ug/L	1	1.5	5.4	CC
Chloroform	ND	ug/L	1	0.17	0.60	
Chloromethane	ND	ug/L	1	0.19	0.68	
2-Chlorotoluene	ND	ug/L	1	0.21	0.75	
4-Chlorotoluene	ND	ug/L	1	0.19	0.68	
Dibromochloromethane	ND	ug/L	1	0.17	0.61	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.21	0.73	
1,2-Dibromoethane	ND	ug/L	1	0.12	0.43	
Dibromomethane	ND	ug/L	1	0.21	0.73	
1,2-Dichlorobenzene	ND	ug/L	1	0.22	0.76	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.72	
1,4-Dichlorobenzene	ND	ug/L	1	0.21	0.76	
Dichlorodifluoromethane	ND	ug/L	1	0.14	0.49	
1,1-Dichloroethane	2.7	ug/L	1	0.18	0.64	
1,2-Dichloroethane	[0.24]	ug/L	1	0.19	0.69	J
1,1-Dichloroethene	ND	ug/L	1	0.16	0.57	
cis-1,2-Dichloroethene	[0.52]	ug/L	1	0.18	0.62	J
trans-1,2-Dichloroethene	[0.46]	ug/L	1	0.15	0.51	J
1,2-Dichloropropane	ND	ug/L	1	0.24	0.84	
1,3-Dichloropropane	ND	ug/L	1	0.18	0.63	
2,2-Dichloropropane	ND	ug/L	1	0.12	0.41	
1,1-Dichloropropene	ND	ug/L	1	0.15	0.54	
cis-1,3-Dichloropropene	ND	ug/L	1	0.19	0.68	
trans-1,3-Dichloropropene	ND	ug/L	1	0.14	0.51	
Ethylbenzene	ND	ug/L	1	0.30	1.1	
Hexachlorobutadiene	ND	ug/L	1	0.20	0.69	
Isopropylbenzene	ND	ug/L	1	0.17	0.60	
p-Isopropyltoluene	ND	ug/L	1	0.19	0.68	
Methylene chloride	1.8	ug/L	1	0.20	0.70	
Naphthalene	ND	ug/L	1	0.29	1.0	
n-Propylbenzene	ND	ug/L	1	0.20	0.71	
ortho-Xylene	[0.18]	ug/L	1	0.16	0.56	J
Styrene	ND	ug/L	1	0.16	0.56	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.66	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.68	
Tetrachloroethene	0.64	ug/L	1	0.17	0.58	
Toluene	1.7	ug/L	1	0.19	0.68	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.20	0.70	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.18	0.63	
1,1,1-Trichloroethane	ND	ug/L	1	0.17	0.61	
1,1,2-Trichloroethane	ND	ug/L	1	0.17	0.59	
Trichloroethene	ND	ug/L	1	0.24	0.84	

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951690 RW4 Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.17	0.60	
1,2,3-Trichloropropane	ND	ug/L	1	0.29	1.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.18	0.65	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.20	0.71	
Vinyl chloride	[0.38]	ug/L	1	0.16	0.57	J
meta,para-Xylene	[0.49]	ug/L	1	0.32	1.1	J
MTBE	[0.48]	ug/L	1	0.22	0.76	J
Acetone	[7.5]	ug/L	1	4.2	12	J
Methyl ethyl ketone	[0.71]	ug/L	1	0.50	1.8	J
4-methyl-2-pentanone	[1.2]	ug/L	1	0.40	1.4	J
Isopropyl Ether	ND	ug/L	1	0.19	0.66	
Isopropyl Alcohol	23	ug/L	1	5.0	18	
Dibromofluoromethane (SURR)	105%					S
Toluene-d8 (SURR)	102%					S
1-Bromo-4-Fluorobenzene (SURR)	107%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

Chloroethane recovery 146%

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 15 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951691 RW8 Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	50	9.7	34	
Bromobenzene	ND	ug/L	50	12	43	
Bromochloromethane	ND	ug/L	50	7.6	27	
Bromodichloromethane	ND	ug/L	50	9.7	34	
Bromoform	[13]	ug/L	50	7.9	28	J
Bromomethane	ND	ug/L	50	11	40	
n-Butylbenzene	ND	ug/L	50	9.4	33	
sec-Butylbenzene	ND	ug/L	50	10	35	
tert-Butylbenzene	ND	ug/L	50	10	35	
Carbon Tetrachloride	ND	ug/L	50	9.4	33	
Chlorobenzene	ND	ug/L	50	7.9	28	
Chloroethane	ND	ug/L	50	77	270	
Chloroform	ND	ug/L	50	8.4	30	
Chloromethane	ND	ug/L	50	9.7	34	
2-Chlorotoluene	ND	ug/L	50	11	38	
4-Chlorotoluene	ND	ug/L	50	9.6	34	
Dibromochloromethane	ND	ug/L	50	8.6	31	
1,2-Dibromo-3-Chloropropane	ND	ug/L	50	10	37	
1,2-Dibromoethane	ND	ug/L	50	6.1	21	
Dibromomethane	ND	ug/L	50	10	37	
1,2-Dichlorobenzene	ND	ug/L	50	11	38	
1,3-Dichlorobenzene	ND	ug/L	50	10	36	
1,4-Dichlorobenzene	ND	ug/L	50	11	38	
Dichlorodifluoromethane	ND	ug/L	50	6.9	24	
1,1-Dichloroethane	ND	ug/L	50	9.0	32	
1,2-Dichloroethane	ND	ug/L	50	9.7	34	
1,1-Dichloroethene	ND	ug/L	50	8.1	29	
cis-1,2-Dichloroethene	ND	ug/L	50	8.8	31	
trans-1,2-Dichloroethene	ND	ug/L	50	7.3	26	
1,2-Dichloropropane	ND	ug/L	50	12	42	
1,3-Dichloropropane	ND	ug/L	50	8.9	31	
2,2-Dichloropropane	ND	ug/L	50	5.8	20	
1,1-Dichloropropene	ND	ug/L	50	7.6	27	
cis-1,3-Dichloropropene	ND	ug/L	50	9.7	34	
trans-1,3-Dichloropropene	ND	ug/L	50	7.2	26	
Ethylbenzene	ND	ug/L	50	15	53	
Hexachlorobutadiene	ND	ug/L	50	9.8	35	
Isopropylbenzene	ND	ug/L	50	8.5	30	
p-Isopropyltoluene	ND	ug/L	50	9.7	34	
Methylene chloride	ND	ug/L	50	9.9	35	
Naphthalene	ND	ug/L	50	15	52	
n-Propylbenzene	ND	ug/L	50	10	35	
ortho-Xylene	ND	ug/L	50	7.9	28	
Styrene	ND	ug/L	50	8.0	28	
1,1,1,2-Tetrachloroethane	ND	ug/L	50	9.4	33	
1,1,2,2-Tetrachloroethane	ND	ug/L	50	9.7	34	
Tetrachloroethene	ND	ug/L	50	8.3	29	
Toluene	[28]	ug/L	50	9.6	34	J
1,2,3-Trichlorobenzene	ND	ug/L	50	9.9	35	
1,2,4-Trichlorobenzene	ND	ug/L	50	8.9	32	
1,1,1-Trichloroethane	ND	ug/L	50	8.6	30	
1,1,2-Trichloroethane	ND	ug/L	50	8.4	30	
Trichloroethene	ND	ug/L	50	12	42	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951691 RW8 Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	50	8.5	30	
1,2,3-Trichloropropane	ND	ug/L	50	15	52	
1,2,4-Trimethylbenzene	ND	ug/L	50	9.2	33	
1,3,5-Trimethylbenzene	ND	ug/L	50	10	36	
Vinyl chloride	ND	ug/L	50	8.1	29	
meta,para-Xylene	ND	ug/L	50	16	57	
MTBE	ND	ug/L	50	11	38	
Acetone	3000	ug/L	50	210	620	
Methyl ethyl ketone	1500	ug/L	50	25	89	
4-methyl-2-pentanone	ND	ug/L	50	20	70	
Isopropyl Ether	ND	ug/L	50	9.4	33	
Isopropyl Alcohol	[770]	ug/L	50	250	880	J
Dibromofluoromethane (SURR)	106%					S
Toluene-d8 (SURR)	104%					S
1-Bromo-4-Fluorobenzene (SURR)	108%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 17 of 18

Customer: WRR Environmental Services Co Inc NLS Project: 268917

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951693 Trip Blank Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.19	0.69	
Bromobenzene	ND	ug/L	1	0.25	0.87	
Bromochloromethane	ND	ug/L	1	0.15	0.54	
Bromodichloromethane	ND	ug/L	1	0.19	0.68	
Bromoform	ND	ug/L	1	0.16	0.56	
Bromomethane	ND	ug/L	1	0.22	0.79	
n-Butylbenzene	ND	ug/L	1	0.19	0.67	
sec-Butylbenzene	ND	ug/L	1	0.20	0.71	
tert-Butylbenzene	ND	ug/L	1	0.20	0.71	
Carbon Tetrachloride	ND	ug/L	1	0.19	0.66	
Chlorobenzene	ND	ug/L	1	0.16	0.56	
Chloroethane	ND	ug/L	1	1.5	5.4	
Chloroform	ND	ug/L	1	0.17	0.60	
Chloromethane	ND	ug/L	1	0.19	0.68	
2-Chlorotoluene	ND	ug/L	1	0.21	0.75	
4-Chlorotoluene	ND	ug/L	1	0.19	0.68	
Dibromochloromethane	ND	ug/L	1	0.17	0.61	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.21	0.73	
1,2-Dibromoethane	ND	ug/L	1	0.12	0.43	
Dibromomethane	ND	ug/L	1	0.21	0.73	
1,2-Dichlorobenzene	ND	ug/L	1	0.22	0.76	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.72	
1,4-Dichlorobenzene	ND	ug/L	1	0.21	0.76	
Dichlorodifluoromethane	ND	ug/L	1	0.14	0.49	
1,1-Dichloroethane	ND	ug/L	1	0.18	0.64	
1,2-Dichloroethane	ND	ug/L	1	0.19	0.69	
1,1-Dichloroethene	ND	ug/L	1	0.16	0.57	
cis-1,2-Dichloroethene	ND	ug/L	1	0.18	0.62	
trans-1,2-Dichloroethene	ND	ug/L	1	0.15	0.51	
1,2-Dichloropropane	ND	ug/L	1	0.24	0.84	
1,3-Dichloropropane	ND	ug/L	1	0.18	0.63	
2,2-Dichloropropane	ND	ug/L	1	0.12	0.41	
1,1-Dichloropropene	ND	ug/L	1	0.15	0.54	
cis-1,3-Dichloropropene	ND	ug/L	1	0.19	0.68	
trans-1,3-Dichloropropene	ND	ug/L	1	0.14	0.51	
Ethylbenzene	ND	ug/L	1	0.30	1.1	
Hexachlorobutadiene	ND	ug/L	1	0.20	0.69	
Isopropylbenzene	ND	ug/L	1	0.17	0.60	
p-Isopropyltoluene	ND	ug/L	1	0.19	0.68	
Methylene chloride	ND	ug/L	1	0.20	0.70	
Naphthalene	ND	ug/L	1	0.29	1.0	
n-Propylbenzene	ND	ug/L	1	0.20	0.71	
ortho-Xylene	ND	ug/L	1	0.16	0.56	
Styrene	ND	ug/L	1	0.16	0.56	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.19	0.66	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.19	0.68	
Tetrachloroethene	ND	ug/L	1	0.17	0.58	
Toluene	ND	ug/L	1	0.19	0.68	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.20	0.70	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.18	0.63	
1,1,1-Trichloroethane	ND	ug/L	1	0.17	0.61	
1,1,2-Trichloroethane	ND	ug/L	1	0.17	0.59	
Trichloroethene	ND	ug/L	1	0.24	0.84	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)
Customer: WRR Environmental Services Co Inc NLS Project: 268917
Project Description: Wastewater
Project Title: Template: SAT3WRRL Printed: 10/17/2016 17:00

Sample: 951693 Trip Blank Collected: 10/05/16 Analyzed: 10/13/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.17	0.60	
1,2,3-Trichloropropane	ND	ug/L	1	0.29	1.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.18	0.65	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.20	0.71	
Vinyl chloride	ND	ug/L	1	0.16	0.57	
meta,para-Xylene	ND	ug/L	1	0.32	1.1	
MTBE	ND	ug/L	1	0.22	0.76	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.50	1.8	
4-methyl-2-pentanone	ND	ug/L	1	0.40	1.4	
Isopropyl Ether	ND	ug/L	1	0.19	0.66	
Isopropyl Alcohol	ND	ug/L	1	5.0	18	
Dibromofluoromethane (SURR)	109%					S
Toluene-d8 (SURR)	101%					S
1-Bromo-4-Fluorobenzene (SURR)	106%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 1 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957340 Production Collected: 11/03/16 Analyzed: 11/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	10	2.4	8.4	
Bromobenzene	ND	ug/L	10	2.3	8.2	
Bromochloromethane	ND	ug/L	10	2.5	8.8	
Bromodichloromethane	ND	ug/L	10	2.7	9.4	
Bromoform	ND	ug/L	10	2.1	7.3	
Bromomethane	ND	ug/L	10	2.7	9.6	
n-Butylbenzene	ND	ug/L	10	2.1	7.3	
sec-Butylbenzene	ND	ug/L	10	1.9	6.6	
tert-Butylbenzene	ND	ug/L	10	1.9	6.8	
Carbon Tetrachloride	ND	ug/L	10	1.6	5.5	
Chlorobenzene	ND	ug/L	10	2.5	8.7	
Chloroethane	ND	ug/L	10	9.3	33	
Chloroform	ND	ug/L	10	2.2	7.8	
Chloromethane	ND	ug/L	10	2.2	7.8	
2-Chlorotoluene	ND	ug/L	10	2.5	9.0	
4-Chlorotoluene	ND	ug/L	10	2.1	7.3	
Dibromochloromethane	ND	ug/L	10	1.6	5.6	
1,2-Dibromo-3-Chloropropane	ND	ug/L	10	1.8	6.3	
1,2-Dibromoethane	ND	ug/L	10	2.3	8.1	
Dibromomethane	ND	ug/L	10	2.2	7.8	
1,2-Dichlorobenzene	ND	ug/L	10	2.1	7.3	
1,3-Dichlorobenzene	ND	ug/L	10	2.0	7.0	
1,4-Dichlorobenzene	ND	ug/L	10	2.7	9.5	
Dichlorodifluoromethane	ND	ug/L	10	1.7	5.8	
1,1-Dichloroethane	ND	ug/L	10	1.9	6.7	
1,2-Dichloroethane	ND	ug/L	10	2.2	7.8	
1,1-Dichloroethene	ND	ug/L	10	2.0	6.9	
cis-1,2-Dichloroethene	ND	ug/L	10	2.4	8.4	
trans-1,2-Dichloroethene	ND	ug/L	10	1.7	6.0	
1,2-Dichloropropane	ND	ug/L	10	2.8	9.8	
1,3-Dichloropropane	ND	ug/L	10	2.4	8.4	
2,2-Dichloropropane	ND	ug/L	10	1.8	6.4	
1,1-Dichloropropene	ND	ug/L	10	2.0	7.0	
cis-1,3-Dichloropropene	ND	ug/L	10	2.6	9.1	
trans-1,3-Dichloropropene	ND	ug/L	10	1.9	6.9	
Ethylbenzene	7.0	ug/L	10	1.9	6.9	
Hexachlorobutadiene	ND	ug/L	10	3.0	11	
Isopropylbenzene	ND	ug/L	10	1.9	6.5	
p-Isopropyltoluene	ND	ug/L	10	1.8	6.2	
Methylene chloride	ND	ug/L	10	2.4	8.4	
Naphthalene	ND	ug/L	10	4.3	15	
n-Propylbenzene	ND	ug/L	10	2.1	7.4	
ortho-Xylene	[5.1]	ug/L	10	1.9	6.6	J
Styrene	ND	ug/L	10	1.9	6.6	
1,1,1,2-Tetrachloroethane	ND	ug/L	10	2.0	7.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	2.6	9.4	
Tetrachloroethene	[2.4]	ug/L	10	2.2	7.8	J
Toluene	130	ug/L	10	2.1	7.4	
1,2,3-Trichlorobenzene	ND	ug/L	10	3.7	13	
1,2,4-Trichlorobenzene	ND	ug/L	10	3.0	10	
1,1,1-Trichloroethane	ND	ug/L	10	2.0	6.9	
1,1,2-Trichloroethane	ND	ug/L	10	2.0	6.9	
Trichloroethene	ND	ug/L	10	3.2	11	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 2 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957340 Production Collected: 11/03/16 Analyzed: 11/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	10	2.0	7.1	
1,2,3-Trichloropropane	ND	ug/L	10	2.5	8.7	
1,2,4-Trimethylbenzene	ND	ug/L	10	2.1	7.4	
1,3,5-Trimethylbenzene	ND	ug/L	10	2.1	7.6	
Vinyl chloride	ND	ug/L	10	1.7	6.0	
meta,para-Xylene	19	ug/L	10	3.7	13	
MTBE	ND	ug/L	10	2.1	7.3	
Acetone	160	ug/L	10	42	120	
Methyl ethyl ketone	36	ug/L	10	5.7	20	
4-methyl-2-pentanone	[12]	ug/L	10	5.4	19	J
Isopropyl Ether	ND	ug/L	10	2.2	7.8	
Isopropyl Alcohol	[150]	ug/L	10	44	160	J
Dibromofluoromethane (SURR)	116%					S
Toluene-d8 (SURR)	109%					S
1-Bromo-4-Fluorobenzene (SURR)	94%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957341 RW6 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	500	120	420	
Bromobenzene	ND	ug/L	500	120	410	
Bromochloromethane	ND	ug/L	500	120	440	
Bromodichloromethane	ND	ug/L	500	130	470	
Bromoform	ND	ug/L	500	100	360	
Bromomethane	ND	ug/L	500	130	480	
n-Butylbenzene	ND	ug/L	500	100	370	
sec-Butylbenzene	ND	ug/L	500	93	330	
tert-Butylbenzene	ND	ug/L	500	96	340	
Carbon Tetrachloride	ND	ug/L	500	78	270	
Chlorobenzene	ND	ug/L	500	120	430	
Chloroethane	ND	ug/L	500	460	1600	
Chloroform	ND	ug/L	500	110	390	
Chloromethane	ND	ug/L	500	110	390	
2-Chlorotoluene	ND	ug/L	500	130	450	
4-Chlorotoluene	ND	ug/L	500	100	360	
Dibromochloromethane	ND	ug/L	500	79	280	
1,2-Dibromo-3-Chloropropane	ND	ug/L	500	89	310	
1,2-Dibromoethane	ND	ug/L	500	110	410	
Dibromomethane	ND	ug/L	500	110	390	
1,2-Dichlorobenzene	ND	ug/L	500	100	360	
1,3-Dichlorobenzene	ND	ug/L	500	99	350	
1,4-Dichlorobenzene	ND	ug/L	500	130	480	
Dichlorodifluoromethane	ND	ug/L	500	83	290	
1,1-Dichloroethane	ND	ug/L	500	94	330	
1,2-Dichloroethane	ND	ug/L	500	110	390	
1,1-Dichloroethene	ND	ug/L	500	98	350	
cis-1,2-Dichloroethene	ND	ug/L	500	120	420	
trans-1,2-Dichloroethene	ND	ug/L	500	85	300	
1,2-Dichloropropane	ND	ug/L	500	140	490	
1,3-Dichloropropane	ND	ug/L	500	120	420	
2,2-Dichloropropane	ND	ug/L	500	91	320	
1,1-Dichloropropene	ND	ug/L	500	99	350	
cis-1,3-Dichloropropene	ND	ug/L	500	130	450	
trans-1,3-Dichloropropene	ND	ug/L	500	97	340	
Ethylbenzene	820	ug/L	500	97	340	
Hexachlorobutadiene	ND	ug/L	500	150	530	
Isopropylbenzene	ND	ug/L	500	93	330	
p-Isopropyltoluene	ND	ug/L	500	88	310	
Methylene chloride	ND	ug/L	500	120	420	
Naphthalene	ND	ug/L	500	220	760	
n-Propylbenzene	ND	ug/L	500	110	370	
ortho-Xylene	460	ug/L	500	93	330	
Styrene	ND	ug/L	500	93	330	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	99	350	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	130	470	
Tetrachloroethene	ND	ug/L	500	110	390	
Toluene	5600	ug/L	500	100	370	
1,2,3-Trichlorobenzene	ND	ug/L	500	190	660	
1,2,4-Trichlorobenzene	ND	ug/L	500	150	520	
1,1,1-Trichloroethane	ND	ug/L	500	98	350	
1,1,2-Trichloroethane	ND	ug/L	500	98	350	
Trichloroethene	ND	ug/L	500	160	570	

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957341 RW6 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	500	100	350	
1,2,3-Trichloropropane	ND	ug/L	500	120	440	
1,2,4-Trimethylbenzene	ND	ug/L	500	100	370	
1,3,5-Trimethylbenzene	ND	ug/L	500	110	380	
Vinyl chloride	ND	ug/L	500	85	300	
meta,para-Xylene	1700	ug/L	500	190	660	
MTBE	ND	ug/L	500	100	360	
Acetone	ND	ug/L	500	2100	6200	
Methyl ethyl ketone	ND	ug/L	500	280	1000	
4-methyl-2-pentanone	ND	ug/L	500	270	950	
Isopropyl Ether	ND	ug/L	500	110	390	
Isopropyl Alcohol	ND	ug/L	500	2200	7800	
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	102%					S
1-Bromo-4-Fluorobenzene (SURR)	99%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 5 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957342 RW7 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	[8.7]	ug/L	12.5	3.0	11	J
Bromobenzene	ND	ug/L	12.5	2.9	10	
Bromochloromethane	ND	ug/L	12.5	3.1	11	
Bromodichloromethane	ND	ug/L	12.5	3.3	12	
Bromoform	ND	ug/L	12.5	2.6	9.1	
Bromomethane	ND	ug/L	12.5	3.4	12	
n-Butylbenzene	ND	ug/L	12.5	2.6	9.1	
sec-Butylbenzene	ND	ug/L	12.5	2.3	8.2	
tert-Butylbenzene	ND	ug/L	12.5	2.4	8.5	
Carbon Tetrachloride	ND	ug/L	12.5	1.9	6.9	
Chlorobenzene	ND	ug/L	12.5	3.1	11	
Chloroethane	57	ug/L	12.5	12	41	
Chloroform	ND	ug/L	12.5	2.8	9.8	
Chloromethane	ND	ug/L	12.5	2.8	9.7	
2-Chlorotoluene	ND	ug/L	12.5	3.2	11	
4-Chlorotoluene	ND	ug/L	12.5	2.6	9.1	
Dibromochloromethane	ND	ug/L	12.5	2.0	7.0	
1,2-Dibromo-3-Chloropropane	ND	ug/L	12.5	2.2	7.8	
1,2-Dibromoethane	ND	ug/L	12.5	2.9	10	
Dibromomethane	ND	ug/L	12.5	2.8	9.8	
1,2-Dichlorobenzene	ND	ug/L	12.5	2.6	9.1	
1,3-Dichlorobenzene	ND	ug/L	12.5	2.5	8.7	
1,4-Dichlorobenzene	ND	ug/L	12.5	3.4	12	
Dichlorodifluoromethane	ND	ug/L	12.5	2.1	7.3	
1,1-Dichloroethane	46	ug/L	12.5	2.4	8.3	
1,2-Dichloroethane	ND	ug/L	12.5	2.7	9.7	
1,1-Dichloroethene	ND	ug/L	12.5	2.4	8.6	
cis-1,2-Dichloroethene	[8.2]	ug/L	12.5	3.0	10	J
trans-1,2-Dichloroethene	ND	ug/L	12.5	2.1	7.5	
1,2-Dichloropropane	ND	ug/L	12.5	3.5	12	
1,3-Dichloropropane	ND	ug/L	12.5	3.0	11	
2,2-Dichloropropane	ND	ug/L	12.5	2.3	8.0	
1,1-Dichloropropene	ND	ug/L	12.5	2.5	8.7	
cis-1,3-Dichloropropene	ND	ug/L	12.5	3.2	11	
trans-1,3-Dichloropropene	ND	ug/L	12.5	2.4	8.6	
Ethylbenzene	75	ug/L	12.5	2.4	8.6	
Hexachlorobutadiene	ND	ug/L	12.5	3.8	13	
Isopropylbenzene	ND	ug/L	12.5	2.3	8.2	
p-Isopropyltoluene	ND	ug/L	12.5	2.2	7.8	
Methylene chloride	ND	ug/L	12.5	3.0	10	
Naphthalene	ND	ug/L	12.5	5.4	19	
n-Propylbenzene	ND	ug/L	12.5	2.6	9.3	
ortho-Xylene	90	ug/L	12.5	2.3	8.2	
Styrene	ND	ug/L	12.5	2.3	8.2	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	2.5	8.8	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	3.3	12	
Tetrachloroethene	ND	ug/L	12.5	2.8	9.8	
Toluene	29	ug/L	12.5	2.6	9.2	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	4.7	17	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	3.7	13	
1,1,1-Trichloroethane	ND	ug/L	12.5	2.4	8.7	
1,1,2-Trichloroethane	ND	ug/L	12.5	2.4	8.6	
Trichloroethene	ND	ug/L	12.5	4.0	14	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957342 RW7 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	12.5	2.5	8.8	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.1	11	
1,2,4-Trimethylbenzene	[7.1]	ug/L	12.5	2.6	9.2	J
1,3,5-Trimethylbenzene	ND	ug/L	12.5	2.7	9.5	
Vinyl chloride	12	ug/L	12.5	2.1	7.5	
meta,para-Xylene	330	ug/L	12.5	4.6	16	
MTBE	ND	ug/L	12.5	2.6	9.1	
Acetone	ND	ug/L	12.5	52	160	
Methyl ethyl ketone	ND	ug/L	12.5	7.1	25	
4-methyl-2-pentanone	ND	ug/L	12.5	6.7	24	
Isopropyl Ether	[5.5]	ug/L	12.5	2.8	9.8	J
Isopropyl Alcohol	ND	ug/L	12.5	55	200	
Dibromofluoromethane (SURR)	107%					S
Toluene-d8 (SURR)	111%					S
1-Bromo-4-Fluorobenzene (SURR)	107%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 7 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957343 RW10 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	480	1700	
Bromobenzene	ND	ug/L	2000	460	1600	
Bromochloromethane	ND	ug/L	2000	500	1800	
Bromodichloromethane	ND	ug/L	2000	530	1900	
Bromoform	ND	ug/L	2000	410	1500	
Bromomethane	ND	ug/L	2000	540	1900	
n-Butylbenzene	ND	ug/L	2000	410	1500	
sec-Butylbenzene	ND	ug/L	2000	370	1300	
tert-Butylbenzene	ND	ug/L	2000	380	1400	
Carbon Tetrachloride	ND	ug/L	2000	310	1100	
Chlorobenzene	ND	ug/L	2000	490	1700	
Chloroethane	ND	ug/L	2000	1900	6600	
Chloroform	ND	ug/L	2000	440	1600	
Chloromethane	ND	ug/L	2000	440	1600	
2-Chlorotoluene	ND	ug/L	2000	510	1800	
4-Chlorotoluene	ND	ug/L	2000	410	1500	
Dibromochloromethane	ND	ug/L	2000	320	1100	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	350	1300	
1,2-Dibromoethane	ND	ug/L	2000	460	1600	
Dibromomethane	ND	ug/L	2000	440	1600	
1,2-Dichlorobenzene	ND	ug/L	2000	410	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	390	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	540	1900	
Dichlorodifluoromethane	ND	ug/L	2000	330	1200	
1,1-Dichloroethane	ND	ug/L	2000	380	1300	
1,2-Dichloroethane	ND	ug/L	2000	440	1600	
1,1-Dichloroethene	ND	ug/L	2000	390	1400	
cis-1,2-Dichloroethene	ND	ug/L	2000	470	1700	
trans-1,2-Dichloroethene	ND	ug/L	2000	340	1200	
1,2-Dichloropropane	ND	ug/L	2000	550	2000	
1,3-Dichloropropane	ND	ug/L	2000	470	1700	
2,2-Dichloropropane	ND	ug/L	2000	360	1300	
1,1-Dichloropropene	ND	ug/L	2000	390	1400	
cis-1,3-Dichloropropene	ND	ug/L	2000	510	1800	
trans-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
Ethylbenzene	1700	ug/L	2000	390	1400	
Hexachlorobutadiene	ND	ug/L	2000	600	2100	
Isopropylbenzene	ND	ug/L	2000	370	1300	
p-Isopropyltoluene	ND	ug/L	2000	350	1200	
Methylene chloride	[490]	ug/L	2000	470	1700	J
Naphthalene	ND	ug/L	2000	860	3000	
n-Propylbenzene	ND	ug/L	2000	420	1500	
ortho-Xylene	1500	ug/L	2000	370	1300	
Styrene	ND	ug/L	2000	370	1300	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	400	1400	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	530	1900	
Tetrachloroethene	ND	ug/L	2000	440	1600	
Toluene	26000	ug/L	2000	420	1500	
1,2,3-Trichlorobenzene	ND	ug/L	2000	750	2600	
1,2,4-Trichlorobenzene	ND	ug/L	2000	590	2100	
1,1,1-Trichloroethane	2100	ug/L	2000	390	1400	LC
1,1,2-Trichloroethane	ND	ug/L	2000	390	1400	
Trichloroethene	[1100]	ug/L	2000	650	2300	J

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957343 RW10 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	400	1400	
1,2,3-Trichloropropane	ND	ug/L	2000	490	1700	
1,2,4-Trimethylbenzene	ND	ug/L	2000	420	1500	
1,3,5-Trimethylbenzene	ND	ug/L	2000	430	1500	
Vinyl chloride	ND	ug/L	2000	340	1200	
meta,para-Xylene	5200	ug/L	2000	740	2600	
MTBE	ND	ug/L	2000	410	1500	
Acetone	67000	ug/L	2000	8300	25000	
Methyl ethyl ketone	80000	ug/L	2000	1100	4000	
4-methyl-2-pentanone	[2000]	ug/L	2000	1100	3800	J
Isopropyl Ether	ND	ug/L	2000	440	1600	
Isopropyl Alcohol	[9000]	ug/L	2000	8900	31000	J
Dibromofluoromethane (SURR)	115%					S
Toluene-d8 (SURR)	119%					S
1-Bromo-4-Fluorobenzene (SURR)	100%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

LC = Laboratory control spike recovery was outside QC limits.

1,1,1-Trichloroethane recovery was 131%.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 9 of 12

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957344 RW11 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	240	840	
Bromobenzene	ND	ug/L	1000	230	820	
Bromochloromethane	ND	ug/L	1000	250	880	
Bromodichloromethane	ND	ug/L	1000	270	940	
Bromoform	ND	ug/L	1000	210	730	
Bromomethane	ND	ug/L	1000	270	960	
n-Butylbenzene	ND	ug/L	1000	210	730	
sec-Butylbenzene	ND	ug/L	1000	190	660	
tert-Butylbenzene	ND	ug/L	1000	190	680	
Carbon Tetrachloride	ND	ug/L	1000	160	550	
Chlorobenzene	ND	ug/L	1000	250	870	
Chloroethane	ND	ug/L	1000	930	3300	
Chloroform	ND	ug/L	1000	220	780	
Chloromethane	ND	ug/L	1000	220	780	
2-Chlorotoluene	ND	ug/L	1000	250	900	
4-Chlorotoluene	ND	ug/L	1000	210	730	
Dibromochloromethane	ND	ug/L	1000	160	560	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	180	630	
1,2-Dibromoethane	ND	ug/L	1000	230	810	
Dibromomethane	ND	ug/L	1000	220	780	
1,2-Dichlorobenzene	ND	ug/L	1000	210	730	
1,3-Dichlorobenzene	ND	ug/L	1000	200	700	
1,4-Dichlorobenzene	ND	ug/L	1000	270	950	
Dichlorodifluoromethane	ND	ug/L	1000	170	580	
1,1-Dichloroethane	[320]	ug/L	1000	190	670	J
1,2-Dichloroethane	ND	ug/L	1000	220	780	
1,1-Dichloroethene	ND	ug/L	1000	200	690	
cis-1,2-Dichloroethene	1800	ug/L	1000	240	840	
trans-1,2-Dichloroethene	ND	ug/L	1000	170	600	
1,2-Dichloropropane	ND	ug/L	1000	280	980	
1,3-Dichloropropane	ND	ug/L	1000	240	840	
2,2-Dichloropropane	ND	ug/L	1000	180	640	
1,1-Dichloropropene	ND	ug/L	1000	200	700	
cis-1,3-Dichloropropene	ND	ug/L	1000	260	910	
trans-1,3-Dichloropropene	ND	ug/L	1000	190	690	
Ethylbenzene	1200	ug/L	1000	190	690	
Hexachlorobutadiene	ND	ug/L	1000	300	1100	
Isopropylbenzene	ND	ug/L	1000	190	650	
p-Isopropyltoluene	ND	ug/L	1000	180	620	
Methylene chloride	ND	ug/L	1000	240	840	
Naphthalene	ND	ug/L	1000	430	1500	
n-Propylbenzene	ND	ug/L	1000	210	740	
ortho-Xylene	1700	ug/L	1000	190	660	
Styrene	ND	ug/L	1000	190	660	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	200	700	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	260	940	
Tetrachloroethene	ND	ug/L	1000	220	780	
Toluene	12000	ug/L	1000	210	740	
1,2,3-Trichlorobenzene	ND	ug/L	1000	370	1300	
1,2,4-Trichlorobenzene	ND	ug/L	1000	300	1000	
1,1,1-Trichloroethane	870	ug/L	1000	200	690	LC
1,1,2-Trichloroethane	ND	ug/L	1000	200	690	
Trichloroethene	ND	ug/L	1000	320	1100	

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957344 RW11 Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	200	710	
1,2,3-Trichloropropane	ND	ug/L	1000	250	870	
1,2,4-Trimethylbenzene	[220]	ug/L	1000	210	740	J
1,3,5-Trimethylbenzene	ND	ug/L	1000	210	760	
Vinyl chloride	ND	ug/L	1000	170	600	
meta,para-Xylene	4900	ug/L	1000	370	1300	
MTBE	ND	ug/L	1000	210	730	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	570	2000	
4-methyl-2-pentanone	ND	ug/L	1000	540	1900	
Isopropyl Ether	ND	ug/L	1000	220	780	
Isopropyl Alcohol	ND	ug/L	1000	4400	16000	
Dibromofluoromethane (SURR)	109%					S
Toluene-d8 (SURR)	116%					S
1-Bromo-4-Fluorobenzene (SURR)	97%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

LC = Laboratory control spike recovery was outside QC limits.

1,1,1-Trichloroethane recovery was 131%.

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957345 Trip Blank Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	
n-Butylbenzene	ND	ug/L	1	0.21	0.73	
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	ND	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	ND	ug/L	1	0.21	0.74	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 270546

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 11/10/2016 13:14

Sample: 957345 Trip Blank Collected: 11/03/16 Analyzed: 11/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	ND	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	104%					S
Toluene-d8 (SURR)	105%					S
1-Bromo-4-Fluorobenzene (SURR)	95%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 1 of 6

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964564 Reservoir Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	5	0.97	3.4	
Bromobenzene	ND	ug/L	5	1.2	4.3	
Bromochloromethane	ND	ug/L	5	0.76	2.7	
Bromodichloromethane	ND	ug/L	5	0.97	3.4	
Bromoform	ND	ug/L	5	0.79	2.8	
Bromomethane	ND	ug/L	5	1.1	4.0	
n-Butylbenzene	ND	ug/L	5	0.94	3.3	
sec-Butylbenzene	ND	ug/L	5	1.0	3.5	
tert-Butylbenzene	ND	ug/L	5	1.0	3.5	
Carbon Tetrachloride	ND	ug/L	5	0.94	3.3	
Chlorobenzene	ND	ug/L	5	0.79	2.8	
Chloroethane	ND	ug/L	5	7.7	27	
Chloroform	ND	ug/L	5	0.84	3.0	
Chloromethane	ND	ug/L	5	0.97	3.4	
2-Chlorotoluene	ND	ug/L	5	1.1	3.8	
4-Chlorotoluene	ND	ug/L	5	0.96	3.4	
Dibromochloromethane	ND	ug/L	5	0.86	3.1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	5	1.0	3.7	
1,2-Dibromoethane	ND	ug/L	5	0.61	2.1	
Dibromomethane	ND	ug/L	5	1.0	3.7	
1,2-Dichlorobenzene	ND	ug/L	5	1.1	3.8	
1,3-Dichlorobenzene	ND	ug/L	5	1.0	3.6	
1,4-Dichlorobenzene	ND	ug/L	5	1.1	3.8	
Dichlorodifluoromethane	ND	ug/L	5	0.69	2.4	
1,1-Dichloroethane	ND	ug/L	5	0.90	3.2	
1,2-Dichloroethane	ND	ug/L	5	0.97	3.4	
1,1-Dichloroethene	ND	ug/L	5	0.81	2.9	
cis-1,2-Dichloroethene	ND	ug/L	5	0.88	3.1	
trans-1,2-Dichloroethene	ND	ug/L	5	0.73	2.6	
1,2-Dichloropropane	ND	ug/L	5	1.2	4.2	
1,3-Dichloropropane	ND	ug/L	5	0.89	3.1	
2,2-Dichloropropane	ND	ug/L	5	0.58	2.0	
1,1-Dichloropropene	ND	ug/L	5	0.76	2.7	
cis-1,3-Dichloropropene	ND	ug/L	5	0.97	3.4	
trans-1,3-Dichloropropene	ND	ug/L	5	0.72	2.6	
Ethylbenzene	ND	ug/L	5	1.5	5.3	
Hexachlorobutadiene	ND	ug/L	5	0.98	3.5	
Isopropylbenzene	ND	ug/L	5	0.85	3.0	
p-Isopropyltoluene	ND	ug/L	5	0.97	3.4	
Methylene chloride	ND	ug/L	5	0.99	3.5	
Naphthalene	ND	ug/L	5	1.5	5.2	
n-Propylbenzene	ND	ug/L	5	1.0	3.5	
ortho-Xylene	ND	ug/L	5	0.79	2.8	
Styrene	ND	ug/L	5	0.80	2.8	
1,1,1,2-Tetrachloroethane	ND	ug/L	5	0.94	3.3	
1,1,2,2-Tetrachloroethane	ND	ug/L	5	0.97	3.4	
Tetrachloroethene	ND	ug/L	5	0.83	2.9	
Toluene	3.5	ug/L	5	0.96	3.4	
1,2,3-Trichlorobenzene	ND	ug/L	5	0.99	3.5	
1,2,4-Trichlorobenzene	ND	ug/L	5	0.89	3.2	
1,1,1-Trichloroethane	ND	ug/L	5	0.86	3.0	
1,1,2-Trichloroethane	ND	ug/L	5	0.84	3.0	
Trichloroethene	ND	ug/L	5	1.2	4.2	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964564 Reservoir Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	5	0.85	3.0	
1,2,3-Trichloropropane	ND	ug/L	5	1.5	5.2	
1,2,4-Trimethylbenzene	ND	ug/L	5	0.92	3.3	
1,3,5-Trimethylbenzene	ND	ug/L	5	1.0	3.6	
Vinyl chloride	ND	ug/L	5	0.81	2.9	
meta,para-Xylene	ND	ug/L	5	1.6	5.7	
MTBE	ND	ug/L	5	1.1	3.8	
Acetone	1500	ug/L	25	100	310	
Methyl ethyl ketone	400	ug/L	25	14	50	
4-methyl-2-pentanone	20	ug/L	5	2.0	7.0	
Isopropyl Ether	ND	ug/L	5	0.94	3.3	
Isopropyl Alcohol	ND	ug/L	5	25	88	
Dibromofluoromethane (SURR)	122%					S
Toluene-d8 (SURR)	110%					S
1-Bromo-4-Fluorobenzene (SURR)	102%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 3 of 6

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964565 Production Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	12.5	2.4	8.6	
Bromobenzene	ND	ug/L	12.5	3.1	11	
Bromochloromethane	ND	ug/L	12.5	1.9	6.7	
Bromodichloromethane	ND	ug/L	12.5	2.4	8.5	
Bromoform	ND	ug/L	12.5	2.0	7.0	
Bromomethane	ND	ug/L	12.5	2.8	9.9	
n-Butylbenzene	ND	ug/L	12.5	2.4	8.4	
sec-Butylbenzene	ND	ug/L	12.5	2.5	8.8	
tert-Butylbenzene	ND	ug/L	12.5	2.5	8.9	
Carbon Tetrachloride	ND	ug/L	12.5	2.3	8.3	
Chlorobenzene	ND	ug/L	12.5	2.0	7.0	
Chloroethane	ND	ug/L	12.5	19	68	
Chloroform	ND	ug/L	12.5	2.1	7.4	
Chloromethane	ND	ug/L	12.5	2.4	8.6	
2-Chlorotoluene	ND	ug/L	12.5	2.7	9.4	
4-Chlorotoluene	ND	ug/L	12.5	2.4	8.5	
Dibromochloromethane	ND	ug/L	12.5	2.2	7.6	
1,2-Dibromo-3-Chloropropane	ND	ug/L	12.5	2.6	9.1	
1,2-Dibromoethane	ND	ug/L	12.5	1.5	5.4	
Dibromomethane	ND	ug/L	12.5	2.6	9.1	
1,2-Dichlorobenzene	ND	ug/L	12.5	2.7	9.6	
1,3-Dichlorobenzene	ND	ug/L	12.5	2.5	9.0	
1,4-Dichlorobenzene	ND	ug/L	12.5	2.7	9.5	
Dichlorodifluoromethane	ND	ug/L	12.5	1.7	6.1	
1,1-Dichloroethane	ND	ug/L	12.5	2.3	8.0	
1,2-Dichloroethane	ND	ug/L	12.5	2.4	8.6	
1,1-Dichloroethene	ND	ug/L	12.5	2.0	7.2	
cis-1,2-Dichloroethene	ND	ug/L	12.5	2.2	7.8	
trans-1,2-Dichloroethene	ND	ug/L	12.5	1.8	6.4	
1,2-Dichloropropane	ND	ug/L	12.5	3.0	11	
1,3-Dichloropropane	ND	ug/L	12.5	2.2	7.9	
2,2-Dichloropropane	ND	ug/L	12.5	1.4	5.1	
1,1-Dichloropropene	ND	ug/L	12.5	1.9	6.7	
cis-1,3-Dichloropropene	ND	ug/L	12.5	2.4	8.6	
trans-1,3-Dichloropropene	ND	ug/L	12.5	1.8	6.4	
Ethylbenzene	[9.5]	ug/L	12.5	3.8	13	J
Hexachlorobutadiene	ND	ug/L	12.5	2.4	8.6	
Isopropylbenzene	ND	ug/L	12.5	2.1	7.6	
p-Isopropyltoluene	ND	ug/L	12.5	2.4	8.6	
Methylene chloride	ND	ug/L	12.5	2.5	8.8	
Naphthalene	ND	ug/L	12.5	3.7	13	
n-Propylbenzene	ND	ug/L	12.5	2.5	8.8	
ortho-Xylene	7.8	ug/L	12.5	2.0	7.0	
Styrene	ND	ug/L	12.5	2.0	7.0	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	2.3	8.3	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.4	8.6	
Tetrachloroethene	ND	ug/L	12.5	2.1	7.3	
Toluene	190	ug/L	12.5	2.4	8.5	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	2.5	8.7	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	2.2	7.9	
1,1,1-Trichloroethane	ND	ug/L	12.5	2.2	7.6	
1,1,2-Trichloroethane	ND	ug/L	12.5	2.1	7.4	
Trichloroethene	ND	ug/L	12.5	3.0	10	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964565 Production Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	12.5	2.1	7.5	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.6	13	
1,2,4-Trimethylbenzene	ND	ug/L	12.5	2.3	8.1	
1,3,5-Trimethylbenzene	ND	ug/L	12.5	2.5	8.9	
Vinyl chloride	ND	ug/L	12.5	2.0	7.1	
meta,para-Xylene	26	ug/L	12.5	4.0	14	
MTBE	ND	ug/L	12.5	2.7	9.5	
Acetone	390	ug/L	12.5	52	160	
Methyl ethyl ketone	96	ug/L	12.5	6.3	22	
4-methyl-2-pentanone	26	ug/L	12.5	5.0	18	
Isopropyl Ether	ND	ug/L	12.5	2.3	8.3	
Isopropyl Alcohol	560	ug/L	12.5	62	220	
Dibromofluoromethane (SURR)	113%					S
Toluene-d8 (SURR)	117%					S
1-Bromo-4-Fluorobenzene (SURR)	102%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Page 5 of 6

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964566 RW6 Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	500	97	340	
Bromobenzene	ND	ug/L	500	120	430	
Bromochloromethane	ND	ug/L	500	76	270	
Bromodichloromethane	ND	ug/L	500	97	340	
Bromoform	ND	ug/L	500	79	280	
Bromomethane	ND	ug/L	500	110	400	
n-Butylbenzene	ND	ug/L	500	94	330	
sec-Butylbenzene	ND	ug/L	500	100	350	
tert-Butylbenzene	ND	ug/L	500	100	350	
Carbon Tetrachloride	ND	ug/L	500	94	330	
Chlorobenzene	ND	ug/L	500	79	280	
Chloroethane	ND	ug/L	500	770	2700	
Chloroform	ND	ug/L	500	84	300	
Chloromethane	ND	ug/L	500	97	340	
2-Chlorotoluene	ND	ug/L	500	110	380	
4-Chlorotoluene	ND	ug/L	500	96	340	
Dibromochloromethane	ND	ug/L	500	86	310	
1,2-Dibromo-3-Chloropropane	ND	ug/L	500	100	370	
1,2-Dibromoethane	ND	ug/L	500	61	210	
Dibromomethane	ND	ug/L	500	100	370	
1,2-Dichlorobenzene	ND	ug/L	500	110	380	
1,3-Dichlorobenzene	ND	ug/L	500	100	360	
1,4-Dichlorobenzene	ND	ug/L	500	110	380	
Dichlorodifluoromethane	ND	ug/L	500	69	240	
1,1-Dichloroethane	ND	ug/L	500	90	320	
1,2-Dichloroethane	ND	ug/L	500	97	340	
1,1-Dichloroethene	ND	ug/L	500	81	290	
cis-1,2-Dichloroethene	ND	ug/L	500	88	310	
trans-1,2-Dichloroethene	ND	ug/L	500	73	260	
1,2-Dichloropropane	ND	ug/L	500	120	420	
1,3-Dichloropropane	ND	ug/L	500	89	310	
2,2-Dichloropropane	ND	ug/L	500	58	200	
1,1-Dichloropropene	ND	ug/L	500	76	270	
cis-1,3-Dichloropropene	ND	ug/L	500	97	340	
trans-1,3-Dichloropropene	ND	ug/L	500	72	260	
Ethylbenzene	730	ug/L	500	150	530	
Hexachlorobutadiene	ND	ug/L	500	98	350	
Isopropylbenzene	ND	ug/L	500	85	300	
p-Isopropyltoluene	ND	ug/L	500	97	340	
Methylene chloride	ND	ug/L	500	99	350	
Naphthalene	ND	ug/L	500	150	520	
n-Propylbenzene	ND	ug/L	500	100	350	
ortho-Xylene	450	ug/L	500	79	280	
Styrene	ND	ug/L	500	80	280	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	94	330	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	97	340	
Tetrachloroethene	ND	ug/L	500	83	290	
Toluene	5800	ug/L	500	96	340	
1,2,3-Trichlorobenzene	ND	ug/L	500	99	350	
1,2,4-Trichlorobenzene	ND	ug/L	500	89	320	
1,1,1-Trichloroethane	ND	ug/L	500	86	300	
1,1,2-Trichloroethane	ND	ug/L	500	84	300	
Trichloroethene	ND	ug/L	500	120	420	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat3)

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SAT3WRRL Printed: 12/13/2016 16:57

Sample: 964566 RW6 Collected: 12/06/16 Analyzed: 12/08/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	500	85	300	
1,2,3-Trichloropropane	ND	ug/L	500	150	520	
1,2,4-Trimethylbenzene	ND	ug/L	500	92	330	
1,3,5-Trimethylbenzene	ND	ug/L	500	100	360	
Vinyl chloride	ND	ug/L	500	81	290	
meta,para-Xylene	1500	ug/L	500	160	570	
MTBE	ND	ug/L	500	110	380	
Acetone	ND	ug/L	500	2100	6200	
Methyl ethyl ketone	ND	ug/L	500	250	890	
4-methyl-2-pentanone	[230]	ug/L	500	200	700	J
Isopropyl Ether	ND	ug/L	500	94	330	
Isopropyl Alcohol	ND	ug/L	500	2500	8800	
Dibromofluoromethane (SURR)	107%					S
Toluene-d8 (SURR)	107%					S
1-Bromo-4-Fluorobenzene (SURR)	101%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964567 RW7 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	11	ug/L	12.5	3.0	11	J
Bromobenzene	ND	ug/L	12.5	2.9	10	
Bromochloromethane	ND	ug/L	12.5	3.1	11	
Bromodichloromethane	ND	ug/L	12.5	3.3	12	
Bromoform	ND	ug/L	12.5	2.6	9.1	
Bromomethane	ND	ug/L	12.5	3.4	12	
n-Butylbenzene	ND	ug/L	12.5	2.6	9.1	LC
sec-Butylbenzene	ND	ug/L	12.5	2.3	8.2	
tert-Butylbenzene	ND	ug/L	12.5	2.4	8.5	
Carbon Tetrachloride	ND	ug/L	12.5	1.9	6.9	
Chlorobenzene	ND	ug/L	12.5	3.1	11	
Chloroethane	60	ug/L	12.5	12	41	
Chloroform	ND	ug/L	12.5	2.8	9.8	
Chloromethane	ND	ug/L	12.5	2.8	9.7	
2-Chlorotoluene	ND	ug/L	12.5	3.2	11	
4-Chlorotoluene	ND	ug/L	12.5	2.6	9.1	
Dibromochloromethane	ND	ug/L	12.5	2.0	7.0	
1,2-Dibromo-3-Chloropropane	ND	ug/L	12.5	2.2	7.8	
1,2-Dibromoethane	ND	ug/L	12.5	2.9	10	
Dibromomethane	ND	ug/L	12.5	2.8	9.8	
1,2-Dichlorobenzene	ND	ug/L	12.5	2.6	9.1	
1,3-Dichlorobenzene	ND	ug/L	12.5	2.5	8.7	
1,4-Dichlorobenzene	ND	ug/L	12.5	3.4	12	
Dichlorodifluoromethane	[3.3]	ug/L	12.5	2.1	7.3	J
1,1-Dichloroethane	39	ug/L	12.5	2.4	8.3	
1,2-Dichloroethane	ND	ug/L	12.5	2.7	9.7	
1,1-Dichloroethene	ND	ug/L	12.5	2.4	8.6	
cis-1,2-Dichloroethene	[8.7]	ug/L	12.5	3.0	10	J
trans-1,2-Dichloroethene	ND	ug/L	12.5	2.1	7.5	
1,2-Dichloropropane	ND	ug/L	12.5	3.5	12	
1,3-Dichloropropane	ND	ug/L	12.5	3.0	11	
2,2-Dichloropropane	ND	ug/L	12.5	2.3	8.0	
1,1-Dichloropropene	ND	ug/L	12.5	2.5	8.7	
cis-1,3-Dichloropropene	ND	ug/L	12.5	3.2	11	
trans-1,3-Dichloropropene	ND	ug/L	12.5	2.4	8.6	
Ethylbenzene	170	ug/L	12.5	2.4	8.6	
Hexachlorobutadiene	ND	ug/L	12.5	3.8	13	
Isopropylbenzene	ND	ug/L	12.5	2.3	8.2	
p-Isopropyltoluene	ND	ug/L	12.5	2.2	7.8	
Methylene chloride	ND	ug/L	12.5	3.0	10	
Naphthalene	ND	ug/L	12.5	5.4	19	
n-Propylbenzene	ND	ug/L	12.5	2.6	9.3	
ortho-Xylene	78	ug/L	12.5	2.3	8.2	
Styrene	ND	ug/L	12.5	2.3	8.2	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	2.5	8.8	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	3.3	12	
Tetrachloroethene	ND	ug/L	12.5	2.8	9.8	
Toluene	45	ug/L	12.5	2.6	9.2	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	4.7	17	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	3.7	13	
1,1,1-Trichloroethane	ND	ug/L	12.5	2.4	8.7	
1,1,2-Trichloroethane	ND	ug/L	12.5	2.4	8.6	
Trichloroethene	ND	ug/L	12.5	4.0	14	

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964567 RW7 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	12.5	2.5	8.8	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.1	11	
1,2,4-Trimethylbenzene	[6.4]	ug/L	12.5	2.6	9.2	J
1,3,5-Trimethylbenzene	ND	ug/L	12.5	2.7	9.5	
Vinyl chloride	12	ug/L	12.5	2.1	7.5	
meta,para-Xylene	250	ug/L	12.5	4.6	16	
MTBE	ND	ug/L	12.5	2.6	9.1	
Acetone	ND	ug/L	12.5	52	160	
Methyl ethyl ketone	ND	ug/L	12.5	7.1	25	
4-methyl-2-pentanone	ND	ug/L	12.5	6.7	24	
Isopropyl Ether	[5.4]	ug/L	12.5	2.8	9.8	J
Isopropyl Alcohol	ND	ug/L	12.5	55	200	
Dibromofluoromethane (SURR)	118%					S
Toluene-d8 (SURR)	110%					S
1-Bromo-4-Fluorobenzene (SURR)	98%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

LC = Laboratory control spike recovery was outside QC limits.

n-Butylbenzene recovery was 71%.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 3 of 8

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964568 RW10 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	2000	480	1700	
Bromobenzene	ND	ug/L	2000	460	1600	
Bromochloromethane	ND	ug/L	2000	500	1800	
Bromodichloromethane	ND	ug/L	2000	530	1900	
Bromoform	ND	ug/L	2000	410	1500	
Bromomethane	ND	ug/L	2000	540	1900	
n-Butylbenzene	ND	ug/L	2000	410	1500	LC
sec-Butylbenzene	ND	ug/L	2000	370	1300	
tert-Butylbenzene	ND	ug/L	2000	380	1400	
Carbon Tetrachloride	ND	ug/L	2000	310	1100	
Chlorobenzene	ND	ug/L	2000	490	1700	
Chloroethane	ND	ug/L	2000	1900	6600	
Chloroform	ND	ug/L	2000	440	1600	
Chloromethane	ND	ug/L	2000	440	1600	
2-Chlorotoluene	ND	ug/L	2000	510	1800	
4-Chlorotoluene	ND	ug/L	2000	410	1500	
Dibromochloromethane	ND	ug/L	2000	320	1100	
1,2-Dibromo-3-Chloropropane	ND	ug/L	2000	350	1300	
1,2-Dibromoethane	ND	ug/L	2000	460	1600	
Dibromomethane	ND	ug/L	2000	440	1600	
1,2-Dichlorobenzene	ND	ug/L	2000	410	1500	
1,3-Dichlorobenzene	ND	ug/L	2000	390	1400	
1,4-Dichlorobenzene	ND	ug/L	2000	540	1900	
Dichlorodifluoromethane	ND	ug/L	2000	330	1200	
1,1-Dichloroethane	ND	ug/L	2000	380	1300	
1,2-Dichloroethane	ND	ug/L	2000	440	1600	
1,1-Dichloroethene	ND	ug/L	2000	390	1400	
cis-1,2-Dichloroethene	ND	ug/L	2000	470	1700	
trans-1,2-Dichloroethene	ND	ug/L	2000	340	1200	
1,2-Dichloropropane	ND	ug/L	2000	550	2000	
1,3-Dichloropropane	ND	ug/L	2000	470	1700	
2,2-Dichloropropane	ND	ug/L	2000	360	1300	
1,1-Dichloropropene	ND	ug/L	2000	390	1400	
cis-1,3-Dichloropropene	ND	ug/L	2000	510	1800	
trans-1,3-Dichloropropene	ND	ug/L	2000	390	1400	
Ethylbenzene	1400	ug/L	2000	390	1400	J
Hexachlorobutadiene	ND	ug/L	2000	600	2100	
Isopropylbenzene	ND	ug/L	2000	370	1300	
p-Isopropyltoluene	ND	ug/L	2000	350	1200	
Methylene chloride	ND	ug/L	2000	470	1700	
Naphthalene	ND	ug/L	2000	860	3000	
n-Propylbenzene	ND	ug/L	2000	420	1500	
ortho-Xylene	[1000]	ug/L	2000	370	1300	J
Styrene	ND	ug/L	2000	370	1300	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	400	1400	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	530	1900	
Tetrachloroethene	ND	ug/L	2000	440	1600	
Toluene	20000	ug/L	2000	420	1500	
1,2,3-Trichlorobenzene	ND	ug/L	2000	750	2600	
1,2,4-Trichlorobenzene	ND	ug/L	2000	590	2100	
1,1,1-Trichloroethane	1900	ug/L	2000	390	1400	LC CC
1,1,2-Trichloroethane	ND	ug/L	2000	390	1400	
Trichloroethene	ND	ug/L	2000	650	2300	

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964568 RW10 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	2000	400	1400	
1,2,3-Trichloropropane	ND	ug/L	2000	490	1700	
1,2,4-Trimethylbenzene	ND	ug/L	2000	420	1500	
1,3,5-Trimethylbenzene	ND	ug/L	2000	430	1500	
Vinyl chloride	ND	ug/L	2000	340	1200	
meta,para-Xylene	4200	ug/L	2000	740	2600	
MTBE	ND	ug/L	2000	410	1500	
Acetone	60000	ug/L	2000	8300	25000	
Methyl ethyl ketone	65000	ug/L	2000	1100	4000	
4-methyl-2-pentanone	[1900]	ug/L	2000	1100	3800	J
Isopropyl Ether	ND	ug/L	2000	440	1600	
Isopropyl Alcohol	[18000]	ug/L	2000	8900	31000	J
Dibromofluoromethane (SURR)	113%					S
Toluene-d8 (SURR)	104%					S
1-Bromo-4-Fluorobenzene (SURR)	95%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

1,1,1-Trichloroethane recovery 126%

LC = Laboratory control spike recovery was outside QC limits.

1,1,1-Trichloroethane recovery was 123%.

n-Butylbenzene recovery was 71%.

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964569 RW11 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1000	240	840	
Bromobenzene	ND	ug/L	1000	230	820	
Bromochloromethane	ND	ug/L	1000	250	880	
Bromodichloromethane	ND	ug/L	1000	270	940	
Bromoform	ND	ug/L	1000	210	730	
Bromomethane	ND	ug/L	1000	270	960	
n-Butylbenzene	ND	ug/L	1000	210	730	LC
sec-Butylbenzene	ND	ug/L	1000	190	660	
tert-Butylbenzene	ND	ug/L	1000	190	680	
Carbon Tetrachloride	ND	ug/L	1000	160	550	
Chlorobenzene	ND	ug/L	1000	250	870	
Chloroethane	ND	ug/L	1000	930	3300	
Chloroform	ND	ug/L	1000	220	780	
Chloromethane	ND	ug/L	1000	220	780	
2-Chlorotoluene	ND	ug/L	1000	250	900	
4-Chlorotoluene	ND	ug/L	1000	210	730	
Dibromochloromethane	ND	ug/L	1000	160	560	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1000	180	630	
1,2-Dibromoethane	ND	ug/L	1000	230	810	
Dibromomethane	ND	ug/L	1000	220	780	
1,2-Dichlorobenzene	ND	ug/L	1000	210	730	
1,3-Dichlorobenzene	ND	ug/L	1000	200	700	
1,4-Dichlorobenzene	ND	ug/L	1000	270	950	
Dichlorodifluoromethane	ND	ug/L	1000	170	580	
1,1-Dichloroethane	[310]	ug/L	1000	190	670	J
1,2-Dichloroethane	ND	ug/L	1000	220	780	
1,1-Dichloroethene	ND	ug/L	1000	200	690	
cis-1,2-Dichloroethene	1500	ug/L	1000	240	840	
trans-1,2-Dichloroethene	ND	ug/L	1000	170	600	
1,2-Dichloropropane	ND	ug/L	1000	280	980	
1,3-Dichloropropane	ND	ug/L	1000	240	840	
2,2-Dichloropropane	ND	ug/L	1000	180	640	
1,1-Dichloropropene	ND	ug/L	1000	200	700	
cis-1,3-Dichloropropene	ND	ug/L	1000	260	910	
trans-1,3-Dichloropropene	ND	ug/L	1000	190	690	
Ethylbenzene	[560]	ug/L	1000	190	690	J
Hexachlorobutadiene	ND	ug/L	1000	300	1100	
Isopropylbenzene	ND	ug/L	1000	190	650	
p-Isopropyltoluene	ND	ug/L	1000	180	620	
Methylene chloride	ND	ug/L	1000	240	840	
Naphthalene	ND	ug/L	1000	430	1500	
n-Propylbenzene	ND	ug/L	1000	210	740	
ortho-Xylene	1400	ug/L	1000	190	660	
Styrene	ND	ug/L	1000	190	660	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	200	700	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	260	940	
Tetrachloroethene	ND	ug/L	1000	220	780	
Toluene	9400	ug/L	1000	210	740	
1,2,3-Trichlorobenzene	ND	ug/L	1000	370	1300	
1,2,4-Trichlorobenzene	ND	ug/L	1000	300	1000	
1,1,1-Trichloroethane	870	ug/L	1000	200	690	LC CC
1,1,2-Trichloroethane	ND	ug/L	1000	200	690	
Trichloroethene	ND	ug/L	1000	320	1100	

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964569 RW11 Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1000	200	710	
1,2,3-Trichloropropane	ND	ug/L	1000	250	870	
1,2,4-Trimethylbenzene	ND	ug/L	1000	210	740	
1,3,5-Trimethylbenzene	ND	ug/L	1000	210	760	
Vinyl chloride	ND	ug/L	1000	170	600	
meta,para-Xylene	3800	ug/L	1000	370	1300	
MTBE	ND	ug/L	1000	210	730	
Acetone	ND	ug/L	1000	4200	12000	
Methyl ethyl ketone	ND	ug/L	1000	570	2000	
4-methyl-2-pentanone	ND	ug/L	1000	540	1900	
Isopropyl Ether	ND	ug/L	1000	220	780	
Isopropyl Alcohol	ND	ug/L	1000	4400	16000	
Dibromofluoromethane (SURR)	121%					S
Toluene-d8 (SURR)	115%					S
1-Bromo-4-Fluorobenzene (SURR)	100%					S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

CC = Continuing calibration verification standard recovery was outside QC limits.

1,1,1-Trichloroethane recovery 126%

LC = Laboratory control spike recovery was outside QC limits.

1,1,1-Trichloroethane recovery was 123%.

n-Butylbenzene recovery was 71%.

ANALYTICAL RESULTS: VOC's by P&T/GCMS - Water - (VarSat2000)

Page 7 of 8

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964570 Trip Blank Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.24	0.84	
Bromobenzene	ND	ug/L	1	0.23	0.82	
Bromochloromethane	ND	ug/L	1	0.25	0.88	
Bromodichloromethane	ND	ug/L	1	0.27	0.94	
Bromoform	ND	ug/L	1	0.21	0.73	
Bromomethane	ND	ug/L	1	0.27	0.96	
n-Butylbenzene	ND	ug/L	1	0.21	0.73	LC
sec-Butylbenzene	ND	ug/L	1	0.19	0.66	
tert-Butylbenzene	ND	ug/L	1	0.19	0.68	
Carbon Tetrachloride	ND	ug/L	1	0.16	0.55	
Chlorobenzene	ND	ug/L	1	0.25	0.87	
Chloroethane	ND	ug/L	1	0.93	3.3	
Chloroform	ND	ug/L	1	0.22	0.78	
Chloromethane	ND	ug/L	1	0.22	0.78	
2-Chlorotoluene	ND	ug/L	1	0.25	0.90	
4-Chlorotoluene	ND	ug/L	1	0.21	0.73	
Dibromochloromethane	ND	ug/L	1	0.16	0.56	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.18	0.63	
1,2-Dibromoethane	ND	ug/L	1	0.23	0.81	
Dibromomethane	ND	ug/L	1	0.22	0.78	
1,2-Dichlorobenzene	ND	ug/L	1	0.21	0.73	
1,3-Dichlorobenzene	ND	ug/L	1	0.20	0.70	
1,4-Dichlorobenzene	ND	ug/L	1	0.27	0.95	
Dichlorodifluoromethane	ND	ug/L	1	0.17	0.58	
1,1-Dichloroethane	ND	ug/L	1	0.19	0.67	
1,2-Dichloroethane	ND	ug/L	1	0.22	0.78	
1,1-Dichloroethene	ND	ug/L	1	0.20	0.69	
cis-1,2-Dichloroethene	ND	ug/L	1	0.24	0.84	
trans-1,2-Dichloroethene	ND	ug/L	1	0.17	0.60	
1,2-Dichloropropane	ND	ug/L	1	0.28	0.98	
1,3-Dichloropropane	ND	ug/L	1	0.24	0.84	
2,2-Dichloropropane	ND	ug/L	1	0.18	0.64	
1,1-Dichloropropene	ND	ug/L	1	0.20	0.70	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.91	
trans-1,3-Dichloropropene	ND	ug/L	1	0.19	0.69	
Ethylbenzene	ND	ug/L	1	0.19	0.69	
Hexachlorobutadiene	ND	ug/L	1	0.30	1.1	
Isopropylbenzene	ND	ug/L	1	0.19	0.65	
p-Isopropyltoluene	ND	ug/L	1	0.18	0.62	
Methylene chloride	ND	ug/L	1	0.24	0.84	
Naphthalene	ND	ug/L	1	0.43	1.5	
n-Propylbenzene	ND	ug/L	1	0.21	0.74	
ortho-Xylene	ND	ug/L	1	0.19	0.66	
Styrene	ND	ug/L	1	0.19	0.66	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.20	0.70	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.26	0.94	
Tetrachloroethene	ND	ug/L	1	0.22	0.78	
Toluene	ND	ug/L	1	0.21	0.74	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.37	1.3	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.30	1.0	
1,1,1-Trichloroethane	ND	ug/L	1	0.20	0.69	
1,1,2-Trichloroethane	ND	ug/L	1	0.20	0.69	
Trichloroethene	ND	ug/L	1	0.32	1.1	

Customer: WRR Environmental Services Co Inc NLS Project: 272053

Project Description: Wastewater

Project Title: Template: SATWRRL Printed: 12/13/2016 16:57

Sample: 964570 Trip Blank Collected: 12/06/16 Analyzed: 12/09/16 - Analytes: 65

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.20	0.71	
1,2,3-Trichloropropane	ND	ug/L	1	0.25	0.87	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.21	0.74	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.21	0.76	
Vinyl chloride	ND	ug/L	1	0.17	0.60	
meta,para-Xylene	ND	ug/L	1	0.37	1.3	
MTBE	ND	ug/L	1	0.21	0.73	
Acetone	ND	ug/L	1	4.2	12	
Methyl ethyl ketone	ND	ug/L	1	0.57	2.0	
4-methyl-2-pentanone	ND	ug/L	1	0.54	1.9	
Isopropyl Ether	ND	ug/L	1	0.22	0.78	
Isopropyl Alcohol	ND	ug/L	1	4.4	16	
Dibromofluoromethane (SURR)	110%					S
Toluene-d8 (SURR)	108%					S
1-Bromo-4-Fluorobenzene (SURR)	101%					S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.

LC = Laboratory control spike recovery was outside QC limits.

n-Butylbenzene recovery was 71%.

APPENDIX B

**LABORATORY REPORTS, CHAIN OF CUSTODY RECORDS, AND SUMMARIES OF
VOCS EXCEEDING NR 140 PREVENTATIVE ACTION LIMITS AND/OR ENFORCEMENT
STANDARDS FOR MAY AND OCTOBER 2016 SAMPLING EVENTS**

June 06, 2016

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 06/06/16.**

RE: Project: 55929.005 WRR
Pace Project No.: 40132917

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40132917

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40132917

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40132917001	W-1	Water	05/25/16 10:00	05/26/16 07:30
40132917002	W-1A	Water	05/25/16 11:00	05/26/16 07:30
40132917003	W-1A DUP	Water	05/25/16 11:00	05/26/16 07:30
40132917004	W-1D	Water	05/25/16 11:35	05/26/16 07:30
40132917005	W-2	Water	05/25/16 08:55	05/26/16 07:30
40132917006	W-2A	Water	05/25/16 09:55	05/26/16 07:30
40132917007	W-2B	Water	05/25/16 10:05	05/26/16 07:30
40132917008	W-3A	Water	05/25/16 09:00	05/26/16 07:30
40132917009	W-3B	Water	05/25/16 08:35	05/26/16 07:30
40132917010	W-5	Water	05/25/16 08:25	05/26/16 07:30
40132917011	W-7	Water	05/25/16 15:50	05/26/16 07:30
40132917012	W-7A	Water	05/25/16 14:00	05/26/16 07:30
40132917013	W-31A	Water	05/25/16 14:10	05/26/16 07:30
40132917014	W-31B	Water	05/25/16 13:50	05/26/16 07:30
40132917015	MW-113	Water	05/25/16 11:20	05/26/16 07:30
40132917016	MW-113 DUP	Water	05/25/16 00:00	05/26/16 07:30
40132917017	MW-31B DUP	Water	05/25/16 13:50	05/26/16 07:30
40132917018	MW-113A	Water	05/25/16 11:15	05/26/16 07:30
40132917019	MW-113B	Water	05/25/16 11:00	05/26/16 07:30
40132917020	TW-1	Water	05/25/16 10:10	05/26/16 07:30
40132917021	TW-1 DUP	Water	05/25/16 10:10	05/26/16 07:30
40132917022	LOWE'S HP	Water	05/25/16 11:35	05/26/16 07:30
40132917023	RW-2	Water	05/25/16 12:40	05/26/16 07:30
40132917024	RW-4	Water	05/25/16 12:35	05/26/16 07:30
40132917025	RW-5	Water	05/25/16 16:50	05/26/16 07:30
40132917026	RW-8	Water	05/25/16 12:50	05/26/16 07:30
40132917027	RW-9	Water	05/25/16 12:55	05/26/16 07:30
40132917028	RW-10	Water	05/25/16 12:30	05/26/16 07:30
40132917029	TRIP BLANK	Water	05/25/16 00:00	05/26/16 07:30
40132917030	RW-11	Water	05/25/16 17:10	05/26/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR
Pace Project No.: 40132917

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40132917001	W-1	EPA 8260	SMT	68
40132917002	W-1A	EPA 8260	SMT	68
40132917003	W-1A DUP	EPA 8260	SMT	68
40132917004	W-1D	EPA 8260	SMT	68
40132917005	W-2	EPA 8260	SMT	68
40132917006	W-2A	EPA 8260	SMT	68
40132917007	W-2B	EPA 8260	SMT	68
40132917008	W-3A	EPA 8260	SMT	68
40132917009	W-3B	EPA 8260	SMT	68
40132917010	W-5	EPA 8260	SMT	68
40132917011	W-7	EPA 8260	SMT	68
40132917012	W-7A	EPA 8260	SMT	68
40132917013	W-31A	EPA 8260	SMT	68
40132917014	W-31B	EPA 8260	SMT	68
40132917015	MW-113	EPA 8260	SMT	68
40132917016	MW-113 DUP	EPA 8260	SMT	68
40132917017	MW-31B DUP	EPA 8260	SMT	68
40132917018	MW-113A	EPA 8260	SMT	68
40132917019	MW-113B	EPA 8260	SMT	68
40132917020	TW-1	EPA 8260	SMT	68
40132917021	TW-1 DUP	EPA 8260	LAP	68
40132917022	LOWE'S HP	EPA 8260	LAP	68
40132917023	RW-2	EPA 8260	LAP	68
40132917024	RW-4	EPA 8260	LAP	68
40132917025	RW-5	EPA 8260	LAP	68
40132917026	RW-8	EPA 8260	LAP	68
40132917027	RW-9	EPA 8260	LAP	68
40132917028	RW-10	EPA 8260	LAP	68
40132917029	TRIP BLANK	EPA 8260	LAP	68
40132917030	RW-11	EPA 8260	LAP	68

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40132917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132917001	W-1					
EPA 8260	Ethylbenzene	0.88J	ug/L	1.0	06/01/16 13:41	
40132917002	W-1A					
EPA 8260	1,1-Dichloroethane	3.1J	ug/L	5.0	06/01/16 18:01	
EPA 8260	Ethylbenzene	18.1	ug/L	5.0	06/01/16 18:01	
EPA 8260	Vinyl chloride	273	ug/L	5.0	06/01/16 18:01	
EPA 8260	cis-1,2-Dichloroethene	134	ug/L	5.0	06/01/16 18:01	
EPA 8260	m&p-Xylene	39.2	ug/L	10.0	06/01/16 18:01	
EPA 8260	o-Xylene	3.3J	ug/L	5.0	06/01/16 18:01	
EPA 8260	trans-1,2-Dichloroethene	1.4J	ug/L	5.0	06/01/16 18:01	
40132917003	W-1A DUP					
EPA 8260	1,1-Dichloroethane	2.9J	ug/L	5.0	06/01/16 18:22	
EPA 8260	Ethylbenzene	27.0	ug/L	5.0	06/01/16 18:22	
EPA 8260	Toluene	2.6J	ug/L	5.0	06/01/16 18:22	
EPA 8260	Vinyl chloride	301	ug/L	5.0	06/01/16 18:22	
EPA 8260	cis-1,2-Dichloroethene	148	ug/L	5.0	06/01/16 18:22	
EPA 8260	m&p-Xylene	62.0	ug/L	10.0	06/01/16 18:22	
EPA 8260	o-Xylene	4.4J	ug/L	5.0	06/01/16 18:22	
40132917004	W-1D					
EPA 8260	1,1-Dichloroethane	10.0	ug/L	2.0	06/02/16 12:19	
EPA 8260	1,2,4-Trimethylbenzene	3.7	ug/L	2.0	06/02/16 12:19	
EPA 8260	Ethylbenzene	164	ug/L	2.0	06/02/16 12:19	
EPA 8260	Isopropylbenzene (Cumene)	0.95J	ug/L	2.0	06/02/16 12:19	
EPA 8260	Toluene	12.0	ug/L	2.0	06/02/16 12:19	
EPA 8260	Vinyl chloride	10.9	ug/L	2.0	06/02/16 12:19	
EPA 8260	cis-1,2-Dichloroethene	14.7	ug/L	2.0	06/02/16 12:19	
EPA 8260	m&p-Xylene	330	ug/L	4.0	06/02/16 12:19	
EPA 8260	o-Xylene	96.0	ug/L	2.0	06/02/16 12:19	
EPA 8260	trans-1,2-Dichloroethene	0.69J	ug/L	2.0	06/02/16 12:19	
40132917005	W-2					
EPA 8260	1,1,1-Trichloroethane	16.8	ug/L	1.0	06/01/16 14:02	
EPA 8260	Tetrachloroethene	31.0	ug/L	1.0	06/01/16 14:02	
EPA 8260	Trichloroethene	3.3	ug/L	1.0	06/01/16 14:02	
40132917007	W-2B					
EPA 8260	1,1,1-Trichloroethane	0.98J	ug/L	1.0	06/01/16 11:52	
EPA 8260	Tetrachloroethene	1.1	ug/L	1.0	06/01/16 11:52	
EPA 8260	Trichloroethene	0.48J	ug/L	1.0	06/01/16 11:52	
40132917010	W-5					
EPA 8260	1,1,1-Trichloroethane	12.4	ug/L	1.0	06/01/16 14:46	
EPA 8260	1,1-Dichloroethane	9.9	ug/L	1.0	06/01/16 14:46	
EPA 8260	1,1-Dichloroethene	0.76J	ug/L	1.0	06/01/16 14:46	
EPA 8260	Tetrachloroethene	1.4	ug/L	1.0	06/01/16 14:46	
EPA 8260	Trichloroethene	0.82J	ug/L	1.0	06/01/16 14:46	
EPA 8260	cis-1,2-Dichloroethene	3.2	ug/L	1.0	06/01/16 14:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40132917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132917011	W-7					
EPA 8260	1,1,1-Trichloroethane	6.1	ug/L	1.0	06/01/16 15:07	
EPA 8260	Tetrachloroethene	10.9	ug/L	1.0	06/01/16 15:07	
EPA 8260	Trichloroethene	1.0	ug/L	1.0	06/01/16 15:07	
40132917012	W-7A					
EPA 8260	1,1,1-Trichloroethane	2.4	ug/L	1.0	06/02/16 13:03	
EPA 8260	Methyl-tert-butyl ether	2.7	ug/L	1.0	06/02/16 13:03	
EPA 8260	Tetrachloroethene	132	ug/L	1.0	06/02/16 13:03	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/02/16 13:03	
40132917013	W-31A					
EPA 8260	1,2-Dichloroethane	135J	ug/L	400	06/02/16 11:36	
EPA 8260	2-Butanone (MEK)	26200	ug/L	8000	06/02/16 11:36	
EPA 8260	2-Propanol	85200J	ug/L	100000	06/02/16 11:36	
EPA 8260	4-Methyl-2-pentanone (MIBK)	7540	ug/L	2000	06/02/16 11:36	
EPA 8260	Acetone	61800	ug/L	8000	06/02/16 11:36	
EPA 8260	Chloroethane	1850	ug/L	400	06/02/16 11:36	
EPA 8260	Ethylbenzene	1320	ug/L	400	06/02/16 11:36	
EPA 8260	Toluene	33900	ug/L	400	06/02/16 11:36	
EPA 8260	m&p-Xylene	3880	ug/L	800	06/02/16 11:36	
EPA 8260	o-Xylene	1190	ug/L	400	06/02/16 11:36	
40132917014	W-31B					
EPA 8260	1,1-Dichloroethane	1.7	ug/L	1.0	06/02/16 13:25	
EPA 8260	Acetone	5.7J	ug/L	20.0	06/02/16 13:25	
EPA 8260	Chloroethane	1.6	ug/L	1.0	06/02/16 13:25	
EPA 8260	Dichlorodifluoromethane	0.28J	ug/L	1.0	06/02/16 13:25	
EPA 8260	Tetrachloroethene	9.1	ug/L	1.0	06/02/16 13:25	
40132917017	MW-31B DUP					
EPA 8260	1,1-Dichloroethane	1.7	ug/L	1.0	06/02/16 13:46	
EPA 8260	1,2-Dichloroethane	0.25J	ug/L	1.0	06/02/16 13:46	
EPA 8260	Acetone	4.9J	ug/L	20.0	06/02/16 13:46	
EPA 8260	Chloroethane	1.0	ug/L	1.0	06/02/16 13:46	
EPA 8260	Methylene Chloride	0.23J	ug/L	1.0	06/02/16 13:46	
EPA 8260	Tetrachloroethene	8.9	ug/L	1.0	06/02/16 13:46	
40132917020	TW-1					
EPA 8260	1,1,1-Trichloroethane	23.8J	ug/L	25.0	06/02/16 11:58	
EPA 8260	1,1-Dichloroethane	62.4	ug/L	25.0	06/02/16 11:58	
EPA 8260	1,2,4-Trimethylbenzene	625	ug/L	25.0	06/02/16 11:58	
EPA 8260	1,2-Dichlorobenzene	21.9J	ug/L	25.0	06/02/16 11:58	
EPA 8260	1,3,5-Trimethylbenzene	178	ug/L	25.0	06/02/16 11:58	
EPA 8260	2-Butanone (MEK)	81.4J	ug/L	500	06/02/16 11:58	
EPA 8260	Acetone	268J	ug/L	500	06/02/16 11:58	
EPA 8260	Ethylbenzene	2030	ug/L	25.0	06/02/16 11:58	
EPA 8260	Isopropylbenzene (Cumene)	68.9	ug/L	25.0	06/02/16 11:58	
EPA 8260	Toluene	1670	ug/L	25.0	06/02/16 11:58	
EPA 8260	Vinyl chloride	31.1	ug/L	25.0	06/02/16 11:58	

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132917020	TW-1					
EPA 8260	cis-1,2-Dichloroethene	42.4	ug/L	25.0	06/02/16 11:58	
EPA 8260	m&p-Xylene	6680	ug/L	50.0	06/02/16 11:58	
EPA 8260	n-Propylbenzene	105	ug/L	25.0	06/02/16 11:58	
EPA 8260	o-Xylene	2130	ug/L	25.0	06/02/16 11:58	
40132917021	TW-1 DUP					
EPA 8260	1,1,1-Trichloroethane	32.4J	ug/L	50.0	06/01/16 07:22	
EPA 8260	1,1-Dichloroethane	70.6	ug/L	50.0	06/01/16 07:22	
EPA 8260	1,2,4-Trimethylbenzene	734	ug/L	50.0	06/01/16 07:22	
EPA 8260	1,2-Dichlorobenzene	26.7J	ug/L	50.0	06/01/16 07:22	
EPA 8260	1,3,5-Trimethylbenzene	250	ug/L	50.0	06/01/16 07:22	
EPA 8260	Acetone	351J	ug/L	1000	06/01/16 07:22	
EPA 8260	Ethylbenzene	2110	ug/L	50.0	06/01/16 07:22	
EPA 8260	Isopropylbenzene (Cumene)	78.2	ug/L	50.0	06/01/16 07:22	
EPA 8260	Toluene	1780	ug/L	50.0	06/01/16 07:22	
EPA 8260	Vinyl chloride	45.9J	ug/L	50.0	06/01/16 07:22	
EPA 8260	cis-1,2-Dichloroethene	39.6J	ug/L	50.0	06/01/16 07:22	
EPA 8260	m&p-Xylene	8060	ug/L	100	06/01/16 07:22	
EPA 8260	n-Propylbenzene	127	ug/L	50.0	06/01/16 07:22	
EPA 8260	o-Xylene	2330	ug/L	50.0	06/01/16 07:22	
40132917023	RW-2					
EPA 8260	1,1,1-Trichloroethane	1220	ug/L	10.0	06/02/16 11:24	
EPA 8260	1,1,2-Trichloroethane	11.2	ug/L	10.0	06/02/16 11:24	
EPA 8260	1,1-Dichloroethane	99.8	ug/L	10.0	06/02/16 11:24	
EPA 8260	1,1-Dichloroethene	30.7	ug/L	10.0	06/02/16 11:24	
EPA 8260	1,2-Dichloroethane	5.8J	ug/L	10.0	06/02/16 11:24	
EPA 8260	1,2-Dichloropropane	8.9J	ug/L	10.0	06/02/16 11:24	
EPA 8260	4-Methyl-2-pentanone (MIBK)	260	ug/L	50.0	06/02/16 11:24	
EPA 8260	Acetone	68.5J	ug/L	200	06/02/16 11:24	
EPA 8260	Chloroethane	68.4	ug/L	10.0	06/02/16 11:24	
EPA 8260	Ethylbenzene	15.8	ug/L	10.0	06/02/16 11:24	
EPA 8260	Methylene Chloride	12.0	ug/L	10.0	06/02/16 11:24	
EPA 8260	Tetrachloroethene	41.9	ug/L	10.0	06/02/16 11:24	
EPA 8260	Toluene	188	ug/L	10.0	06/02/16 11:24	
EPA 8260	Trichloroethene	27.0	ug/L	10.0	06/02/16 11:24	
EPA 8260	Vinyl chloride	13.1	ug/L	10.0	06/02/16 11:24	
EPA 8260	cis-1,2-Dichloroethene	954	ug/L	10.0	06/02/16 11:24	
EPA 8260	o-Xylene	12.7	ug/L	10.0	06/02/16 11:24	
40132917024	RW-4					
EPA 8260	1,1,1-Trichloroethane	2.3J	ug/L	4.0	06/02/16 11:46	
EPA 8260	1,1-Dichloroethane	2.0J	ug/L	4.0	06/02/16 11:46	
EPA 8260	2-Butanone (MEK)	23.8J	ug/L	80.0	06/02/16 11:46	
EPA 8260	Acetone	161	ug/L	80.0	06/02/16 11:46	
EPA 8260	Chloroethane	2.5J	ug/L	4.0	06/02/16 11:46	
EPA 8260	Methylene Chloride	1.4J	ug/L	4.0	06/02/16 11:46	
EPA 8260	cis-1,2-Dichloroethene	1.7J	ug/L	4.0	06/02/16 11:46	

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40132917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132917025	RW-5					
EPA 8260	1,1-Dichloroethane	120	ug/L	1.0	06/03/16 08:12	
EPA 8260	1,2-Dichloroethane	0.66J	ug/L	1.0	06/03/16 08:12	
EPA 8260	1,2-Dichloropropane	0.30J	ug/L	1.0	06/03/16 08:12	
EPA 8260	Acetone	3.6J	ug/L	20.0	06/03/16 08:12	
EPA 8260	Chloroethane	3.1	ug/L	1.0	06/03/16 08:12	
EPA 8260	Methyl-tert-butyl ether	0.78J	ug/L	1.0	06/03/16 08:12	
EPA 8260	Methylene Chloride	2.3	ug/L	1.0	06/03/16 08:12	
EPA 8260	Vinyl chloride	6.2	ug/L	1.0	06/03/16 08:12	
EPA 8260	cis-1,2-Dichloroethene	10.0	ug/L	1.0	06/03/16 08:12	
EPA 8260	trans-1,2-Dichloroethene	0.86J	ug/L	1.0	06/03/16 08:12	
40132917026	RW-8					
EPA 8260	2-Butanone (MEK)	1340	ug/L	500	06/03/16 08:34	
EPA 8260	Acetone	3340	ug/L	500	06/03/16 08:34	
40132917027	RW-9					
EPA 8260	1,1,1-Trichloroethane	2.0	ug/L	1.0	06/02/16 08:50	
EPA 8260	1,1-Dichloroethane	0.36J	ug/L	1.0	06/02/16 08:50	
EPA 8260	Methylene Chloride	1.1	ug/L	1.0	06/02/16 08:50	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	06/02/16 08:50	
EPA 8260	cis-1,2-Dichloroethene	0.36J	ug/L	1.0	06/02/16 08:50	
40132917028	RW-10					
EPA 8260	1,1,1-Trichloroethane	831	ug/L	500	06/03/16 09:19	
EPA 8260	2-Butanone (MEK)	78400	ug/L	10000	06/03/16 09:19	
EPA 8260	2-Propanol	24500J	ug/L	125000	06/03/16 09:19	
EPA 8260	4-Methyl-2-pentanone (MIBK)	1550J	ug/L	2500	06/03/16 09:19	
EPA 8260	Acetone	64900	ug/L	10000	06/03/16 09:19	
EPA 8260	Ethylbenzene	571	ug/L	500	06/03/16 09:19	
EPA 8260	Methylene Chloride	463J	ug/L	500	06/03/16 09:19	
EPA 8260	Toluene	14000	ug/L	500	06/03/16 09:19	
EPA 8260	Trichloroethene	589	ug/L	500	06/03/16 09:19	
EPA 8260	cis-1,2-Dichloroethene	276J	ug/L	500	06/03/16 09:19	
EPA 8260	m&p-Xylene	2050	ug/L	1000	06/03/16 09:19	
EPA 8260	o-Xylene	513	ug/L	500	06/03/16 09:19	
40132917029	TRIP BLANK					
EPA 8260	Methylene Chloride	0.35J	ug/L	1.0	06/02/16 16:40	
40132917030	RW-11					
EPA 8260	1,1,1-Trichloroethane	612	ug/L	50.0	06/03/16 08:57	
EPA 8260	1,1-Dichloroethane	266	ug/L	50.0	06/03/16 08:57	
EPA 8260	1,2,4-Trimethylbenzene	229	ug/L	50.0	06/03/16 08:57	
EPA 8260	1,2-Dichloropropane	13.3J	ug/L	50.0	06/03/16 08:57	
EPA 8260	1,3,5-Trimethylbenzene	90.8	ug/L	50.0	06/03/16 08:57	
EPA 8260	2-Butanone (MEK)	1880	ug/L	1000	06/03/16 08:57	
EPA 8260	2-Propanol	1390J	ug/L	12500	06/03/16 08:57	
EPA 8260	Acetone	2030	ug/L	1000	06/03/16 08:57	
EPA 8260	Ethylbenzene	368	ug/L	50.0	06/03/16 08:57	

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132917

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40132917030	RW-11					
EPA 8260	Toluene	6820	ug/L	50.0	06/03/16 08:57	
EPA 8260	Vinyl chloride	64.0	ug/L	50.0	06/03/16 08:57	
EPA 8260	cis-1,2-Dichloroethene	2060	ug/L	50.0	06/03/16 08:57	
EPA 8260	m&p-Xylene	5210	ug/L	100	06/03/16 08:57	
EPA 8260	o-Xylene	1840	ug/L	50.0	06/03/16 08:57	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1 **Lab ID: 40132917001** Collected: 05/25/16 10:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:41	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 13:41	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 13:41	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 13:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 13:41	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 13:41	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:41	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:41	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 13:41	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 13:41	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 13:41	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 13:41	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 13:41	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 13:41	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 13:41	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 13:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 13:41	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 13:41	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 13:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 13:41	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 13:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 13:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 13:41	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 13:41	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	108-20-3	
Ethylbenzene	0.88J	ug/L	1.0	0.50	1		06/01/16 13:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 13:41	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 13:41	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1 **Lab ID: 40132917001** Collected: 05/25/16 10:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 13:41	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 13:41	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 13:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:41	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 13:41	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 13:41	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 13:41	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:41	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 13:41	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 13:41	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:41	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		06/01/16 13:41	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/01/16 13:41	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		06/01/16 13:41	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1A **Lab ID: 40132917002** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/01/16 18:01	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/01/16 18:01	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		06/01/16 18:01	79-00-5	
1,1-Dichloroethane	3.1J	ug/L	5.0	1.2	5		06/01/16 18:01	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		06/01/16 18:01	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/01/16 18:01	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/01/16 18:01	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/01/16 18:01	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/01/16 18:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/01/16 18:01	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		06/01/16 18:01	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		06/01/16 18:01	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/01/16 18:01	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		06/01/16 18:01	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		06/01/16 18:01	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/01/16 18:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		06/01/16 18:01	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		06/01/16 18:01	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/01/16 18:01	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/01/16 18:01	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/01/16 18:01	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		06/01/16 18:01	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/01/16 18:01	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/01/16 18:01	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/01/16 18:01	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	108-20-3	
Ethylbenzene	18.1	ug/L	5.0	2.5	5		06/01/16 18:01	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/01/16 18:01	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		06/01/16 18:01	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/01/16 18:01	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1A **Lab ID: 40132917002** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/01/16 18:01	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/01/16 18:01	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		06/01/16 18:01	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/01/16 18:01	75-69-4	
Vinyl chloride	273	ug/L	5.0	0.88	5		06/01/16 18:01	75-01-4	
cis-1,2-Dichloroethene	134	ug/L	5.0	1.3	5		06/01/16 18:01	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	10061-01-5	
m&p-Xylene	39.2	ug/L	10.0	5.0	5		06/01/16 18:01	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	103-65-1	
o-Xylene	3.3J	ug/L	5.0	2.5	5		06/01/16 18:01	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:01	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/01/16 18:01	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/01/16 18:01	98-06-6	
trans-1,2-Dichloroethene	1.4J	ug/L	5.0	1.3	5		06/01/16 18:01	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/01/16 18:01	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		5		06/01/16 18:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		06/01/16 18:01	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		5		06/01/16 18:01	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1A DUP **Lab ID: 40132917003** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/01/16 18:22	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/01/16 18:22	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		06/01/16 18:22	79-00-5	
1,1-Dichloroethane	2.9J	ug/L	5.0	1.2	5		06/01/16 18:22	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		06/01/16 18:22	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/01/16 18:22	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/01/16 18:22	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/01/16 18:22	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/01/16 18:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/01/16 18:22	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		06/01/16 18:22	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		06/01/16 18:22	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/01/16 18:22	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		06/01/16 18:22	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		06/01/16 18:22	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/01/16 18:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		06/01/16 18:22	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		06/01/16 18:22	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/01/16 18:22	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/01/16 18:22	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/01/16 18:22	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		06/01/16 18:22	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/01/16 18:22	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/01/16 18:22	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/01/16 18:22	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	108-20-3	
Ethylbenzene	27.0	ug/L	5.0	2.5	5		06/01/16 18:22	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/01/16 18:22	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		06/01/16 18:22	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/01/16 18:22	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1A DUP **Lab ID: 40132917003** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/01/16 18:22	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/01/16 18:22	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	127-18-4	
Toluene	2.6J	ug/L	5.0	2.5	5		06/01/16 18:22	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		06/01/16 18:22	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/01/16 18:22	75-69-4	
Vinyl chloride	301	ug/L	5.0	0.88	5		06/01/16 18:22	75-01-4	
cis-1,2-Dichloroethene	148	ug/L	5.0	1.3	5		06/01/16 18:22	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	10061-01-5	
m&p-Xylene	62.0	ug/L	10.0	5.0	5		06/01/16 18:22	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	103-65-1	
o-Xylene	4.4J	ug/L	5.0	2.5	5		06/01/16 18:22	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 18:22	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/01/16 18:22	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/01/16 18:22	98-06-6	
trans-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		06/01/16 18:22	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/01/16 18:22	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		5		06/01/16 18:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		5		06/01/16 18:22	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		5		06/01/16 18:22	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1D **Lab ID: 40132917004** Collected: 05/25/16 11:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		06/02/16 12:19	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		06/02/16 12:19	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		06/02/16 12:19	79-00-5	
1,1-Dichloroethane	10.0	ug/L	2.0	0.48	2		06/02/16 12:19	75-34-3	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		06/02/16 12:19	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		06/02/16 12:19	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		06/02/16 12:19	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		06/02/16 12:19	120-82-1	
1,2,4-Trimethylbenzene	3.7	ug/L	2.0	1.0	2		06/02/16 12:19	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		06/02/16 12:19	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		06/02/16 12:19	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		06/02/16 12:19	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		06/02/16 12:19	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		06/02/16 12:19	594-20-7	
2-Butanone (MEK)	<6.0	ug/L	40.0	6.0	2		06/02/16 12:19	78-93-3	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	95-49-8	
2-Propanol	<48.7	ug/L	500	48.7	2		06/02/16 12:19	67-63-0	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		06/02/16 12:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	<4.3	ug/L	10.0	4.3	2		06/02/16 12:19	108-10-1	
Acetone	<5.9	ug/L	40.0	5.9	2		06/02/16 12:19	67-64-1	
Benzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		06/02/16 12:19	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		06/02/16 12:19	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		06/02/16 12:19	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		06/02/16 12:19	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		06/02/16 12:19	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		06/02/16 12:19	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		06/02/16 12:19	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	108-20-3	
Ethylbenzene	164	ug/L	2.0	1.0	2		06/02/16 12:19	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		06/02/16 12:19	87-68-3	
Isopropylbenzene (Cumene)	0.95J	ug/L	2.0	0.29	2		06/02/16 12:19	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		06/02/16 12:19	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-1D **Lab ID: 40132917004** Collected: 05/25/16 11:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		06/02/16 12:19	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		06/02/16 12:19	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	100-42-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	127-18-4	
Toluene	12.0	ug/L	2.0	1.0	2		06/02/16 12:19	108-88-3	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		06/02/16 12:19	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		06/02/16 12:19	75-69-4	
Vinyl chloride	10.9	ug/L	2.0	0.35	2		06/02/16 12:19	75-01-4	
cis-1,2-Dichloroethene	14.7	ug/L	2.0	0.51	2		06/02/16 12:19	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	10061-01-5	
m&p-Xylene	330	ug/L	4.0	2.0	2		06/02/16 12:19	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	104-51-8	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	103-65-1	
o-Xylene	96.0	ug/L	2.0	1.0	2		06/02/16 12:19	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		06/02/16 12:19	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		06/02/16 12:19	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		06/02/16 12:19	98-06-6	
trans-1,2-Dichloroethene	0.69J	ug/L	2.0	0.51	2		06/02/16 12:19	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		06/02/16 12:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		2		06/02/16 12:19	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2		06/02/16 12:19	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		2		06/02/16 12:19	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40132917

Sample: W-2 **Lab ID: 40132917005** Collected: 05/25/16 08:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:02	630-20-6	
1,1,1-Trichloroethane	16.8	ug/L	1.0	0.50	1		06/01/16 14:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 14:02	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 14:02	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 14:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 14:02	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 14:02	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:02	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:02	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 14:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 14:02	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 14:02	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 14:02	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 14:02	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 14:02	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 14:02	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 14:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 14:02	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 14:02	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 14:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 14:02	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 14:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 14:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 14:02	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 14:02	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 14:02	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 14:02	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-2 **Lab ID: 40132917005** Collected: 05/25/16 08:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 14:02	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 14:02	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	100-42-5	
Tetrachloroethene	31.0	ug/L	1.0	0.50	1		06/01/16 14:02	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	108-88-3	
Trichloroethene	3.3	ug/L	1.0	0.33	1		06/01/16 14:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:02	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 14:02	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 14:02	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 14:02	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:02	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 14:02	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 14:02	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:02	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/01/16 14:02	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 14:02	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 14:02	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-2A **Lab ID: 40132917006** Collected: 05/25/16 09:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:24	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 14:24	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 14:24	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 14:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 14:24	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 14:24	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:24	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:24	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 14:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 14:24	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 14:24	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 14:24	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 14:24	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 14:24	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 14:24	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 14:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 14:24	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 14:24	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 14:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 14:24	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 14:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 14:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 14:24	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 14:24	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 14:24	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 14:24	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-2A **Lab ID: 40132917006** Collected: 05/25/16 09:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 14:24	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 14:24	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 14:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:24	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 14:24	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 14:24	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 14:24	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:24	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 14:24	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 14:24	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		06/01/16 14:24	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 14:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/01/16 14:24	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-2B **Lab ID: 40132917007** Collected: 05/25/16 10:05 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:52	630-20-6	
1,1,1-Trichloroethane	0.98J	ug/L	1.0	0.50	1		06/01/16 11:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 11:52	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 11:52	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 11:52	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 11:52	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 11:52	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:52	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:52	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 11:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 11:52	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 11:52	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 11:52	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 11:52	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 11:52	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 11:52	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 11:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 11:52	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 11:52	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 11:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 11:52	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 11:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 11:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 11:52	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 11:52	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 11:52	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 11:52	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-2B **Lab ID: 40132917007** Collected: 05/25/16 10:05 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 11:52	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 11:52	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	100-42-5	
Tetrachloroethene	1.1	ug/L	1.0	0.50	1		06/01/16 11:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	108-88-3	
Trichloroethene	0.48J	ug/L	1.0	0.33	1		06/01/16 11:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:52	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 11:52	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 11:52	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 11:52	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:52	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 11:52	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 11:52	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:52	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		06/01/16 11:52	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 11:52	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 11:52	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-3A **Lab ID: 40132917008** Collected: 05/25/16 09:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 12:41	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 12:41	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 12:41	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 12:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 12:41	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 12:41	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 12:41	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 12:41	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 12:41	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 12:41	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 12:41	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 12:41	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 12:41	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 12:41	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 12:41	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 12:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 12:41	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 12:41	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 12:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 12:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 12:41	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 12:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 12:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 12:41	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 12:41	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 12:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 12:41	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 12:41	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-3A **Lab ID: 40132917008** Collected: 05/25/16 09:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 12:41	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 12:41	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 12:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 12:41	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 12:41	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 12:41	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 12:41	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 12:41	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 12:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 12:41	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 12:41	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 12:41	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/02/16 12:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/02/16 12:41	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		06/02/16 12:41	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-3B **Lab ID: 40132917009** Collected: 05/25/16 08:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:57	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 12:57	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 12:57	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 12:57	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 12:57	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 12:57	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:57	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:57	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 12:57	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 12:57	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 12:57	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 12:57	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 12:57	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 12:57	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 12:57	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 12:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 12:57	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 12:57	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:57	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 12:57	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 12:57	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 12:57	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 12:57	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 12:57	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 12:57	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:57	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 12:57	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 12:57	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-3B **Lab ID: 40132917009** Collected: 05/25/16 08:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 12:57	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 12:57	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 12:57	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:57	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 12:57	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 12:57	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 12:57	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:57	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:57	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 12:57	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 12:57	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:57	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		06/01/16 12:57	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 12:57	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 12:57	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-5 **Lab ID: 40132917010** Collected: 05/25/16 08:25 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:46	630-20-6	
1,1,1-Trichloroethane	12.4	ug/L	1.0	0.50	1		06/01/16 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 14:46	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 14:46	79-00-5	
1,1-Dichloroethane	9.9	ug/L	1.0	0.24	1		06/01/16 14:46	75-34-3	
1,1-Dichloroethene	0.76J	ug/L	1.0	0.41	1		06/01/16 14:46	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 14:46	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:46	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:46	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 14:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 14:46	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 14:46	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 14:46	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 14:46	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 14:46	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 14:46	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 14:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 14:46	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 14:46	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 14:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 14:46	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 14:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 14:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 14:46	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 14:46	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 14:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 14:46	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 14:46	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-5 **Lab ID: 40132917010** Collected: 05/25/16 08:25 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 14:46	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 14:46	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	100-42-5	
Tetrachloroethene	1.4	ug/L	1.0	0.50	1		06/01/16 14:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	108-88-3	
Trichloroethene	0.82J	ug/L	1.0	0.33	1		06/01/16 14:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 14:46	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 14:46	75-01-4	
cis-1,2-Dichloroethene	3.2	ug/L	1.0	0.26	1		06/01/16 14:46	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 14:46	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 14:46	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 14:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 14:46	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 14:46	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 14:46	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		06/01/16 14:46	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 14:46	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 14:46	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-7 **Lab ID: 40132917011** Collected: 05/25/16 15:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 15:07	630-20-6	
1,1,1-Trichloroethane	6.1	ug/L	1.0	0.50	1		06/01/16 15:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 15:07	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 15:07	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 15:07	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 15:07	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 15:07	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 15:07	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 15:07	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 15:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 15:07	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 15:07	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 15:07	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 15:07	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 15:07	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 15:07	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 15:07	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 15:07	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 15:07	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 15:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 15:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 15:07	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 15:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 15:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 15:07	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 15:07	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 15:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 15:07	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 15:07	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-7 **Lab ID: 40132917011** Collected: 05/25/16 15:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 15:07	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 15:07	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	100-42-5	
Tetrachloroethene	10.9	ug/L	1.0	0.50	1		06/01/16 15:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	108-88-3	
Trichloroethene	1.0	ug/L	1.0	0.33	1		06/01/16 15:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 15:07	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 15:07	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 15:07	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 15:07	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:07	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 15:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 15:07	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 15:07	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 15:07	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		06/01/16 15:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/01/16 15:07	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		06/01/16 15:07	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-7A **Lab ID: 40132917012** Collected: 05/25/16 14:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:03	630-20-6	
1,1,1-Trichloroethane	2.4	ug/L	1.0	0.50	1		06/02/16 13:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 13:03	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 13:03	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 13:03	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 13:03	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 13:03	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:03	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:03	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 13:03	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 13:03	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 13:03	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 13:03	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 13:03	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 13:03	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 13:03	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 13:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 13:03	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 13:03	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:03	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 13:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 13:03	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 13:03	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 13:03	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 13:03	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 13:03	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:03	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 13:03	98-82-8	
Methyl-tert-butyl ether	2.7	ug/L	1.0	0.17	1		06/02/16 13:03	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-7A **Lab ID: 40132917012** Collected: 05/25/16 14:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 13:03	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 13:03	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	100-42-5	
Tetrachloroethene	132	ug/L	1.0	0.50	1		06/02/16 13:03	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.33	1		06/02/16 13:03	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:03	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 13:03	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:03	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 13:03	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:03	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:03	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 13:03	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:03	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:03	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/02/16 13:03	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/02/16 13:03	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/02/16 13:03	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-31A **Lab ID: 40132917013** Collected: 05/25/16 14:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<72.2	ug/L	400	72.2	400		06/02/16 11:36	630-20-6	
1,1,1-Trichloroethane	<200	ug/L	400	200	400		06/02/16 11:36	71-55-6	
1,1,2,2-Tetrachloroethane	<99.7	ug/L	400	99.7	400		06/02/16 11:36	79-34-5	
1,1,2-Trichloroethane	<79.0	ug/L	400	79.0	400		06/02/16 11:36	79-00-5	
1,1-Dichloroethane	<96.6	ug/L	400	96.6	400		06/02/16 11:36	75-34-3	
1,1-Dichloroethene	<164	ug/L	400	164	400		06/02/16 11:36	75-35-4	
1,1-Dichloropropene	<176	ug/L	400	176	400		06/02/16 11:36	563-58-6	
1,2,3-Trichlorobenzene	<853	ug/L	2000	853	400		06/02/16 11:36	87-61-6	
1,2,3-Trichloropropane	<200	ug/L	400	200	400		06/02/16 11:36	96-18-4	
1,2,4-Trichlorobenzene	<884	ug/L	2000	884	400		06/02/16 11:36	120-82-1	
1,2,4-Trimethylbenzene	<200	ug/L	400	200	400		06/02/16 11:36	95-63-6	
1,2-Dibromo-3-chloropropane	<866	ug/L	2000	866	400		06/02/16 11:36	96-12-8	
1,2-Dibromoethane (EDB)	<71.1	ug/L	400	71.1	400		06/02/16 11:36	106-93-4	
1,2-Dichlorobenzene	<200	ug/L	400	200	400		06/02/16 11:36	95-50-1	
1,2-Dichloroethane	135J	ug/L	400	67.2	400		06/02/16 11:36	107-06-2	
1,2-Dichloropropane	<93.2	ug/L	400	93.2	400		06/02/16 11:36	78-87-5	
1,3,5-Trimethylbenzene	<200	ug/L	400	200	400		06/02/16 11:36	108-67-8	
1,3-Dichlorobenzene	<200	ug/L	400	200	400		06/02/16 11:36	541-73-1	
1,3-Dichloropropane	<200	ug/L	400	200	400		06/02/16 11:36	142-28-9	
1,4-Dichlorobenzene	<200	ug/L	400	200	400		06/02/16 11:36	106-46-7	
2,2-Dichloropropane	<194	ug/L	400	194	400		06/02/16 11:36	594-20-7	
2-Butanone (MEK)	26200	ug/L	8000	1190	400		06/02/16 11:36	78-93-3	
2-Chlorotoluene	<200	ug/L	400	200	400		06/02/16 11:36	95-49-8	
2-Propanol	85200J	ug/L	100000	9740	400		06/02/16 11:36	67-63-0	
4-Chlorotoluene	<85.5	ug/L	400	85.5	400		06/02/16 11:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	7540	ug/L	2000	856	400		06/02/16 11:36	108-10-1	
Acetone	61800	ug/L	8000	1180	400		06/02/16 11:36	67-64-1	
Benzene	<200	ug/L	400	200	400		06/02/16 11:36	71-43-2	
Bromobenzene	<92.0	ug/L	400	92.0	400		06/02/16 11:36	108-86-1	
Bromochloromethane	<136	ug/L	400	136	400		06/02/16 11:36	74-97-5	
Bromodichloromethane	<200	ug/L	400	200	400		06/02/16 11:36	75-27-4	
Bromoform	<200	ug/L	400	200	400		06/02/16 11:36	75-25-2	
Bromomethane	<974	ug/L	2000	974	400		06/02/16 11:36	74-83-9	
Carbon tetrachloride	<200	ug/L	400	200	400		06/02/16 11:36	56-23-5	
Chlorobenzene	<200	ug/L	400	200	400		06/02/16 11:36	108-90-7	
Chloroethane	1850	ug/L	400	150	400		06/02/16 11:36	75-00-3	
Chloroform	<1000	ug/L	2000	1000	400		06/02/16 11:36	67-66-3	
Chloromethane	<200	ug/L	400	200	400		06/02/16 11:36	74-87-3	
Dibromochloromethane	<200	ug/L	400	200	400		06/02/16 11:36	124-48-1	
Dibromomethane	<171	ug/L	400	171	400		06/02/16 11:36	74-95-3	
Dichlorodifluoromethane	<89.7	ug/L	400	89.7	400		06/02/16 11:36	75-71-8	
Diisopropyl ether	<200	ug/L	400	200	400		06/02/16 11:36	108-20-3	
Ethylbenzene	1320	ug/L	400	200	400		06/02/16 11:36	100-41-4	
Hexachloro-1,3-butadiene	<842	ug/L	2000	842	400		06/02/16 11:36	87-68-3	
Isopropylbenzene (Cumene)	<57.3	ug/L	400	57.3	400		06/02/16 11:36	98-82-8	
Methyl-tert-butyl ether	<69.7	ug/L	400	69.7	400		06/02/16 11:36	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-31A **Lab ID: 40132917013** Collected: 05/25/16 14:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<93.0	ug/L	400	93.0	400		06/02/16 11:36	75-09-2	
Naphthalene	<1000	ug/L	2000	1000	400		06/02/16 11:36	91-20-3	
Styrene	<200	ug/L	400	200	400		06/02/16 11:36	100-42-5	
Tetrachloroethene	<200	ug/L	400	200	400		06/02/16 11:36	127-18-4	
Toluene	33900	ug/L	400	200	400		06/02/16 11:36	108-88-3	
Trichloroethene	<132	ug/L	400	132	400		06/02/16 11:36	79-01-6	
Trichlorofluoromethane	<74.0	ug/L	400	74.0	400		06/02/16 11:36	75-69-4	
Vinyl chloride	<70.2	ug/L	400	70.2	400		06/02/16 11:36	75-01-4	
cis-1,2-Dichloroethene	<102	ug/L	400	102	400		06/02/16 11:36	156-59-2	
cis-1,3-Dichloropropene	<200	ug/L	400	200	400		06/02/16 11:36	10061-01-5	
m&p-Xylene	3880	ug/L	800	400	400		06/02/16 11:36	179601-23-1	
n-Butylbenzene	<200	ug/L	400	200	400		06/02/16 11:36	104-51-8	
n-Propylbenzene	<200	ug/L	400	200	400		06/02/16 11:36	103-65-1	
o-Xylene	1190	ug/L	400	200	400		06/02/16 11:36	95-47-6	
p-Isopropyltoluene	<200	ug/L	400	200	400		06/02/16 11:36	99-87-6	
sec-Butylbenzene	<874	ug/L	2000	874	400		06/02/16 11:36	135-98-8	
tert-Butylbenzene	<72.1	ug/L	400	72.1	400		06/02/16 11:36	98-06-6	
trans-1,2-Dichloroethene	<103	ug/L	400	103	400		06/02/16 11:36	156-60-5	
trans-1,3-Dichloropropene	<91.8	ug/L	400	91.8	400		06/02/16 11:36	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		400		06/02/16 11:36	1868-53-7	
Toluene-d8 (S)	99	%	70-130		400		06/02/16 11:36	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		400		06/02/16 11:36	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-31B **Lab ID: 40132917014** Collected: 05/25/16 13:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:25	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 13:25	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 13:25	79-00-5	
1,1-Dichloroethane	1.7	ug/L	1.0	0.24	1		06/02/16 13:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 13:25	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 13:25	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:25	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:25	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 13:25	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 13:25	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 13:25	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 13:25	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 13:25	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 13:25	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 13:25	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 13:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 13:25	108-10-1	
Acetone	5.7J	ug/L	20.0	3.0	1		06/02/16 13:25	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 13:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 13:25	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	108-90-7	
Chloroethane	1.6	ug/L	1.0	0.37	1		06/02/16 13:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 13:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 13:25	74-95-3	
Dichlorodifluoromethane	0.28J	ug/L	1.0	0.22	1		06/02/16 13:25	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 13:25	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 13:25	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: W-31B **Lab ID: 40132917014** Collected: 05/25/16 13:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 13:25	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 13:25	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	100-42-5	
Tetrachloroethene	9.1	ug/L	1.0	0.50	1		06/02/16 13:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 13:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:25	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 13:25	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:25	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 13:25	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:25	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 13:25	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:25	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:25	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/02/16 13:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/02/16 13:25	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/02/16 13:25	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113 **Lab ID: 40132917015** Collected: 05/25/16 11:20 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 15:51	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 15:51	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 15:51	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 15:51	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 15:51	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 15:51	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 15:51	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 15:51	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 15:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 15:51	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 15:51	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 15:51	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 15:51	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 15:51	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 15:51	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 15:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 15:51	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 15:51	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 15:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 15:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 15:51	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 15:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 15:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 15:51	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 15:51	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 15:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 15:51	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 15:51	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113 **Lab ID: 40132917015** Collected: 05/25/16 11:20 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 15:51	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 15:51	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 15:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 15:51	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 15:51	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 15:51	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 15:51	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 15:51	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 15:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 15:51	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 15:51	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 15:51	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		06/01/16 15:51	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/01/16 15:51	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 15:51	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113 DUP **Lab ID: 40132917016** Collected: 05/25/16 00:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:12	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 16:12	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 16:12	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 16:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 16:12	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 16:12	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:12	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:12	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 16:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 16:12	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 16:12	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 16:12	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 16:12	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 16:12	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 16:12	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 16:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 16:12	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 16:12	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 16:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 16:12	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 16:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 16:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 16:12	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 16:12	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 16:12	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 16:12	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113 DUP **Lab ID: 40132917016** Collected: 05/25/16 00:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 16:12	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 16:12	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 16:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:12	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 16:12	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:12	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 16:12	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:12	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 16:12	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:12	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:12	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		06/01/16 16:12	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/01/16 16:12	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/01/16 16:12	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-31B DUP **Lab ID: 40132917017** Collected: 05/25/16 13:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:46	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 13:46	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 13:46	79-00-5	
1,1-Dichloroethane	1.7	ug/L	1.0	0.24	1		06/02/16 13:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 13:46	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 13:46	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:46	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:46	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 13:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 13:46	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	95-50-1	
1,2-Dichloroethane	0.25J	ug/L	1.0	0.17	1		06/02/16 13:46	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 13:46	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 13:46	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 13:46	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 13:46	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 13:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 13:46	108-10-1	
Acetone	4.9J	ug/L	20.0	3.0	1		06/02/16 13:46	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 13:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 13:46	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	108-90-7	
Chloroethane	1.0	ug/L	1.0	0.37	1		06/02/16 13:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 13:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 13:46	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 13:46	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 13:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 13:46	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 13:46	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-31B DUP **Lab ID: 40132917017** Collected: 05/25/16 13:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	0.23J	ug/L	1.0	0.23	1		06/02/16 13:46	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 13:46	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	100-42-5	
Tetrachloroethene	8.9	ug/L	1.0	0.50	1		06/02/16 13:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 13:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 13:46	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 13:46	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:46	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 13:46	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 13:46	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 13:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 13:46	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 13:46	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 13:46	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/02/16 13:46	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/02/16 13:46	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/02/16 13:46	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113A **Lab ID: 40132917018** Collected: 05/25/16 11:15 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:34	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 16:34	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 16:34	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 16:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 16:34	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 16:34	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:34	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:34	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 16:34	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 16:34	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 16:34	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 16:34	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 16:34	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 16:34	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 16:34	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 16:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 16:34	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 16:34	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:34	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 16:34	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 16:34	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 16:34	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 16:34	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 16:34	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 16:34	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:34	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 16:34	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 16:34	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113A **Lab ID: 40132917018** Collected: 05/25/16 11:15 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 16:34	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 16:34	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 16:34	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:34	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 16:34	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:34	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 16:34	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:34	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:34	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 16:34	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:34	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:34	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/01/16 16:34	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/01/16 16:34	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 16:34	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113B **Lab ID: 40132917019** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:56	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 16:56	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 16:56	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 16:56	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 16:56	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 16:56	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:56	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:56	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 16:56	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 16:56	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 16:56	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 16:56	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 16:56	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 16:56	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 16:56	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 16:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 16:56	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 16:56	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:56	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 16:56	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 16:56	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 16:56	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 16:56	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 16:56	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 16:56	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 16:56	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 16:56	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 16:56	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: MW-113B **Lab ID: 40132917019** Collected: 05/25/16 11:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 16:56	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 16:56	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 16:56	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 16:56	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 16:56	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:56	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 16:56	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 16:56	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 16:56	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 16:56	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 16:56	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 16:56	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		06/01/16 16:56	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/01/16 16:56	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/01/16 16:56	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TW-1 **Lab ID:** 40132917020 Collected: 05/25/16 10:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<4.5	ug/L	25.0	4.5	25		06/02/16 11:58	630-20-6	
1,1,1-Trichloroethane	23.8J	ug/L	25.0	12.5	25		06/02/16 11:58	71-55-6	
1,1,2,2-Tetrachloroethane	<6.2	ug/L	25.0	6.2	25		06/02/16 11:58	79-34-5	
1,1,2-Trichloroethane	<4.9	ug/L	25.0	4.9	25		06/02/16 11:58	79-00-5	
1,1-Dichloroethane	62.4	ug/L	25.0	6.0	25		06/02/16 11:58	75-34-3	
1,1-Dichloroethene	<10.3	ug/L	25.0	10.3	25		06/02/16 11:58	75-35-4	
1,1-Dichloropropene	<11.0	ug/L	25.0	11.0	25		06/02/16 11:58	563-58-6	
1,2,3-Trichlorobenzene	<53.3	ug/L	125	53.3	25		06/02/16 11:58	87-61-6	
1,2,3-Trichloropropane	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	96-18-4	
1,2,4-Trichlorobenzene	<55.2	ug/L	125	55.2	25		06/02/16 11:58	120-82-1	
1,2,4-Trimethylbenzene	625	ug/L	25.0	12.5	25		06/02/16 11:58	95-63-6	
1,2-Dibromo-3-chloropropane	<54.1	ug/L	125	54.1	25		06/02/16 11:58	96-12-8	
1,2-Dibromoethane (EDB)	<4.4	ug/L	25.0	4.4	25		06/02/16 11:58	106-93-4	
1,2-Dichlorobenzene	21.9J	ug/L	25.0	12.5	25		06/02/16 11:58	95-50-1	
1,2-Dichloroethane	<4.2	ug/L	25.0	4.2	25		06/02/16 11:58	107-06-2	
1,2-Dichloropropane	<5.8	ug/L	25.0	5.8	25		06/02/16 11:58	78-87-5	
1,3,5-Trimethylbenzene	178	ug/L	25.0	12.5	25		06/02/16 11:58	108-67-8	
1,3-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	541-73-1	
1,3-Dichloropropane	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	142-28-9	
1,4-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	106-46-7	
2,2-Dichloropropane	<12.1	ug/L	25.0	12.1	25		06/02/16 11:58	594-20-7	
2-Butanone (MEK)	81.4J	ug/L	500	74.5	25		06/02/16 11:58	78-93-3	
2-Chlorotoluene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	95-49-8	
2-Propanol	<609	ug/L	6250	609	25		06/02/16 11:58	67-63-0	
4-Chlorotoluene	<5.3	ug/L	25.0	5.3	25		06/02/16 11:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	<53.5	ug/L	125	53.5	25		06/02/16 11:58	108-10-1	
Acetone	268J	ug/L	500	73.8	25		06/02/16 11:58	67-64-1	
Benzene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	71-43-2	
Bromobenzene	<5.8	ug/L	25.0	5.8	25		06/02/16 11:58	108-86-1	
Bromochloromethane	<8.5	ug/L	25.0	8.5	25		06/02/16 11:58	74-97-5	
Bromodichloromethane	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	75-27-4	
Bromoform	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	75-25-2	
Bromomethane	<60.9	ug/L	125	60.9	25		06/02/16 11:58	74-83-9	
Carbon tetrachloride	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	56-23-5	
Chlorobenzene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	108-90-7	
Chloroethane	<9.4	ug/L	25.0	9.4	25		06/02/16 11:58	75-00-3	
Chloroform	<62.5	ug/L	125	62.5	25		06/02/16 11:58	67-66-3	
Chloromethane	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	74-87-3	
Dibromochloromethane	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	124-48-1	
Dibromomethane	<10.7	ug/L	25.0	10.7	25		06/02/16 11:58	74-95-3	
Dichlorodifluoromethane	<5.6	ug/L	25.0	5.6	25		06/02/16 11:58	75-71-8	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	108-20-3	
Ethylbenzene	2030	ug/L	25.0	12.5	25		06/02/16 11:58	100-41-4	
Hexachloro-1,3-butadiene	<52.6	ug/L	125	52.6	25		06/02/16 11:58	87-68-3	
Isopropylbenzene (Cumene)	68.9	ug/L	25.0	3.6	25		06/02/16 11:58	98-82-8	
Methyl-tert-butyl ether	<4.4	ug/L	25.0	4.4	25		06/02/16 11:58	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TW-1 **Lab ID: 40132917020** Collected: 05/25/16 10:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<5.8	ug/L	25.0	5.8	25		06/02/16 11:58	75-09-2	
Naphthalene	<62.5	ug/L	125	62.5	25		06/02/16 11:58	91-20-3	
Styrene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	100-42-5	
Tetrachloroethene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	127-18-4	
Toluene	1670	ug/L	25.0	12.5	25		06/02/16 11:58	108-88-3	
Trichloroethene	<8.3	ug/L	25.0	8.3	25		06/02/16 11:58	79-01-6	
Trichlorofluoromethane	<4.6	ug/L	25.0	4.6	25		06/02/16 11:58	75-69-4	
Vinyl chloride	31.1	ug/L	25.0	4.4	25		06/02/16 11:58	75-01-4	
cis-1,2-Dichloroethene	42.4	ug/L	25.0	6.4	25		06/02/16 11:58	156-59-2	
cis-1,3-Dichloropropene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	10061-01-5	
m&p-Xylene	6680	ug/L	50.0	25.0	25		06/02/16 11:58	179601-23-1	
n-Butylbenzene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	104-51-8	
n-Propylbenzene	105	ug/L	25.0	12.5	25		06/02/16 11:58	103-65-1	
o-Xylene	2130	ug/L	25.0	12.5	25		06/02/16 11:58	95-47-6	
p-Isopropyltoluene	<12.5	ug/L	25.0	12.5	25		06/02/16 11:58	99-87-6	
sec-Butylbenzene	<54.7	ug/L	125	54.7	25		06/02/16 11:58	135-98-8	
tert-Butylbenzene	<4.5	ug/L	25.0	4.5	25		06/02/16 11:58	98-06-6	
trans-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		06/02/16 11:58	156-60-5	
trans-1,3-Dichloropropene	<5.7	ug/L	25.0	5.7	25		06/02/16 11:58	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		25		06/02/16 11:58	1868-53-7	
Toluene-d8 (S)	95	%	70-130		25		06/02/16 11:58	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		25		06/02/16 11:58	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TW-1 DUP **Lab ID:** 40132917021 Collected: 05/25/16 10:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		06/01/16 07:22	630-20-6	
1,1,1-Trichloroethane	32.4J	ug/L	50.0	25.0	50		06/01/16 07:22	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		06/01/16 07:22	79-34-5	
1,1,2-Trichloroethane	<9.9	ug/L	50.0	9.9	50		06/01/16 07:22	79-00-5	
1,1-Dichloroethane	70.6	ug/L	50.0	12.1	50		06/01/16 07:22	75-34-3	
1,1-Dichloroethene	<20.5	ug/L	50.0	20.5	50		06/01/16 07:22	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		06/01/16 07:22	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		06/01/16 07:22	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		06/01/16 07:22	120-82-1	
1,2,4-Trimethylbenzene	734	ug/L	50.0	25.0	50		06/01/16 07:22	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		06/01/16 07:22	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		06/01/16 07:22	106-93-4	
1,2-Dichlorobenzene	26.7J	ug/L	50.0	25.0	50		06/01/16 07:22	95-50-1	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		06/01/16 07:22	107-06-2	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		06/01/16 07:22	78-87-5	
1,3,5-Trimethylbenzene	250	ug/L	50.0	25.0	50		06/01/16 07:22	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		06/01/16 07:22	594-20-7	
2-Butanone (MEK)	<149	ug/L	1000	149	50		06/01/16 07:22	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	95-49-8	
2-Propanol	<1220	ug/L	12500	1220	50		06/01/16 07:22	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		06/01/16 07:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	<107	ug/L	250	107	50		06/01/16 07:22	108-10-1	
Acetone	351J	ug/L	1000	148	50		06/01/16 07:22	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		06/01/16 07:22	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		06/01/16 07:22	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	75-25-2	
Bromomethane	<122	ug/L	250	122	50		06/01/16 07:22	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		06/01/16 07:22	75-00-3	
Chloroform	<125	ug/L	250	125	50		06/01/16 07:22	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		06/01/16 07:22	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		06/01/16 07:22	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	108-20-3	
Ethylbenzene	2110	ug/L	50.0	25.0	50		06/01/16 07:22	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		06/01/16 07:22	87-68-3	
Isopropylbenzene (Cumene)	78.2	ug/L	50.0	7.2	50		06/01/16 07:22	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		06/01/16 07:22	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TW-1 DUP **Lab ID: 40132917021** Collected: 05/25/16 10:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		06/01/16 07:22	75-09-2	
Naphthalene	<125	ug/L	250	125	50		06/01/16 07:22	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	100-42-5	
Tetrachloroethene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	127-18-4	
Toluene	1780	ug/L	50.0	25.0	50		06/01/16 07:22	108-88-3	
Trichloroethene	<16.5	ug/L	50.0	16.5	50		06/01/16 07:22	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		06/01/16 07:22	75-69-4	
Vinyl chloride	45.9J	ug/L	50.0	8.8	50		06/01/16 07:22	75-01-4	
cis-1,2-Dichloroethene	39.6J	ug/L	50.0	12.8	50		06/01/16 07:22	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	10061-01-5	
m&p-Xylene	8060	ug/L	100	50.0	50		06/01/16 07:22	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	104-51-8	
n-Propylbenzene	127	ug/L	50.0	25.0	50		06/01/16 07:22	103-65-1	
o-Xylene	2330	ug/L	50.0	25.0	50		06/01/16 07:22	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		06/01/16 07:22	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		06/01/16 07:22	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		06/01/16 07:22	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		06/01/16 07:22	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		06/01/16 07:22	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		50		06/01/16 07:22	1868-53-7	
Toluene-d8 (S)	96	%	70-130		50		06/01/16 07:22	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		50		06/01/16 07:22	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: LOWE'S HP **Lab ID: 40132917022** Collected: 05/25/16 11:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 07:00	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 07:00	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 07:00	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 07:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 07:00	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 07:00	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 07:00	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 07:00	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 07:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 07:00	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 07:00	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 07:00	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 07:00	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 07:00	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 07:00	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 07:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 07:00	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 07:00	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 07:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 07:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 07:00	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 07:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 07:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 07:00	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 07:00	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 07:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 07:00	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 07:00	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: LOWE'S HP **Lab ID: 40132917022** Collected: 05/25/16 11:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 07:00	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 07:00	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 07:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 07:00	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 07:00	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 07:00	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 07:00	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 07:00	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 07:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 07:00	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 07:00	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 07:00	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1		06/01/16 07:00	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/01/16 07:00	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/01/16 07:00	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40132917

Sample: RW-2 **Lab ID: 40132917023** Collected: 05/25/16 12:40 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/02/16 11:24	630-20-6	
1,1,1-Trichloroethane	1220	ug/L	10.0	5.0	10		06/02/16 11:24	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/02/16 11:24	79-34-5	
1,1,2-Trichloroethane	11.2	ug/L	10.0	2.0	10		06/02/16 11:24	79-00-5	
1,1-Dichloroethane	99.8	ug/L	10.0	2.4	10		06/02/16 11:24	75-34-3	
1,1-Dichloroethene	30.7	ug/L	10.0	4.1	10		06/02/16 11:24	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/02/16 11:24	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/02/16 11:24	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/02/16 11:24	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/02/16 11:24	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/02/16 11:24	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	95-50-1	
1,2-Dichloroethane	5.8J	ug/L	10.0	1.7	10		06/02/16 11:24	107-06-2	
1,2-Dichloropropane	8.9J	ug/L	10.0	2.3	10		06/02/16 11:24	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/02/16 11:24	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		06/02/16 11:24	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		06/02/16 11:24	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/02/16 11:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	260	ug/L	50.0	21.4	10		06/02/16 11:24	108-10-1	
Acetone	68.5J	ug/L	200	29.5	10		06/02/16 11:24	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/02/16 11:24	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/02/16 11:24	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/02/16 11:24	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	108-90-7	
Chloroethane	68.4	ug/L	10.0	3.7	10		06/02/16 11:24	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/02/16 11:24	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/02/16 11:24	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/02/16 11:24	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	108-20-3	
Ethylbenzene	15.8	ug/L	10.0	5.0	10		06/02/16 11:24	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/02/16 11:24	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/02/16 11:24	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/02/16 11:24	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-2 **Lab ID: 40132917023** Collected: 05/25/16 12:40 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	12.0	ug/L	10.0	2.3	10		06/02/16 11:24	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/02/16 11:24	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	100-42-5	
Tetrachloroethene	41.9	ug/L	10.0	5.0	10		06/02/16 11:24	127-18-4	
Toluene	188	ug/L	10.0	5.0	10		06/02/16 11:24	108-88-3	
Trichloroethene	27.0	ug/L	10.0	3.3	10		06/02/16 11:24	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/02/16 11:24	75-69-4	
Vinyl chloride	13.1	ug/L	10.0	1.8	10		06/02/16 11:24	75-01-4	
cis-1,2-Dichloroethene	954	ug/L	10.0	2.6	10		06/02/16 11:24	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/02/16 11:24	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	103-65-1	
o-Xylene	12.7	ug/L	10.0	5.0	10		06/02/16 11:24	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/02/16 11:24	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/02/16 11:24	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/02/16 11:24	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/02/16 11:24	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/02/16 11:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		10		06/02/16 11:24	1868-53-7	
Toluene-d8 (S)	105	%	70-130		10		06/02/16 11:24	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		10		06/02/16 11:24	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-4 **Lab ID: 40132917024** Collected: 05/25/16 12:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		06/02/16 11:46	630-20-6	
1,1,1-Trichloroethane	2.3J	ug/L	4.0	2.0	4		06/02/16 11:46	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		06/02/16 11:46	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		06/02/16 11:46	79-00-5	
1,1-Dichloroethane	2.0J	ug/L	4.0	0.97	4		06/02/16 11:46	75-34-3	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		06/02/16 11:46	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		06/02/16 11:46	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		06/02/16 11:46	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		06/02/16 11:46	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		06/02/16 11:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		06/02/16 11:46	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	95-50-1	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		06/02/16 11:46	107-06-2	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		06/02/16 11:46	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		06/02/16 11:46	594-20-7	
2-Butanone (MEK)	23.8J	ug/L	80.0	11.9	4		06/02/16 11:46	78-93-3	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	95-49-8	
2-Propanol	<97.4	ug/L	1000	97.4	4		06/02/16 11:46	67-63-0	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		06/02/16 11:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<8.6	ug/L	20.0	8.6	4		06/02/16 11:46	108-10-1	
Acetone	161	ug/L	80.0	11.8	4		06/02/16 11:46	67-64-1	
Benzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		06/02/16 11:46	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		06/02/16 11:46	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		06/02/16 11:46	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	108-90-7	
Chloroethane	2.5J	ug/L	4.0	1.5	4		06/02/16 11:46	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		06/02/16 11:46	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		06/02/16 11:46	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		06/02/16 11:46	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		06/02/16 11:46	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		06/02/16 11:46	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		06/02/16 11:46	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-4 **Lab ID: 40132917024** Collected: 05/25/16 12:35 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	1.4J	ug/L	4.0	0.93	4		06/02/16 11:46	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		06/02/16 11:46	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	100-42-5	
Tetrachloroethene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	108-88-3	
Trichloroethene	<1.3	ug/L	4.0	1.3	4		06/02/16 11:46	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		06/02/16 11:46	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		06/02/16 11:46	75-01-4	
cis-1,2-Dichloroethene	1.7J	ug/L	4.0	1.0	4		06/02/16 11:46	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		06/02/16 11:46	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		06/02/16 11:46	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		06/02/16 11:46	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		06/02/16 11:46	98-06-6	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		06/02/16 11:46	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		06/02/16 11:46	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		4		06/02/16 11:46	1868-53-7	
Toluene-d8 (S)	103	%	70-130		4		06/02/16 11:46	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		4		06/02/16 11:46	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40132917

Sample: RW-5 Lab ID: 40132917025 Collected: 05/25/16 16:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 08:12	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 08:12	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 08:12	79-00-5	
1,1-Dichloroethane	120	ug/L	1.0	0.24	1		06/03/16 08:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 08:12	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 08:12	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 08:12	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 08:12	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 08:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 08:12	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	95-50-1	
1,2-Dichloroethane	0.66J	ug/L	1.0	0.17	1		06/03/16 08:12	107-06-2	
1,2-Dichloropropane	0.30J	ug/L	1.0	0.23	1		06/03/16 08:12	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 08:12	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 08:12	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 08:12	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 08:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 08:12	108-10-1	
Acetone	3.6J	ug/L	20.0	3.0	1		06/03/16 08:12	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 08:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 08:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 08:12	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	108-90-7	
Chloroethane	3.1	ug/L	1.0	0.37	1		06/03/16 08:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 08:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 08:12	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 08:12	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 08:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 08:12	98-82-8	
Methyl-tert-butyl ether	0.78J	ug/L	1.0	0.17	1		06/03/16 08:12	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-5 **Lab ID: 40132917025** Collected: 05/25/16 16:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	2.3	ug/L	1.0	0.23	1		06/03/16 08:12	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 08:12	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 08:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 08:12	75-69-4	
Vinyl chloride	6.2	ug/L	1.0	0.18	1		06/03/16 08:12	75-01-4	
cis-1,2-Dichloroethene	10.0	ug/L	1.0	0.26	1		06/03/16 08:12	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 08:12	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 08:12	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 08:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 08:12	98-06-6	
trans-1,2-Dichloroethene	0.86J	ug/L	1.0	0.26	1		06/03/16 08:12	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 08:12	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		06/03/16 08:12	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/03/16 08:12	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		06/03/16 08:12	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-8 **Lab ID: 40132917026** Collected: 05/25/16 12:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<4.5	ug/L	25.0	4.5	25		06/03/16 08:34	630-20-6	
1,1,1-Trichloroethane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	71-55-6	
1,1,2,2-Tetrachloroethane	<6.2	ug/L	25.0	6.2	25		06/03/16 08:34	79-34-5	
1,1,2-Trichloroethane	<4.9	ug/L	25.0	4.9	25		06/03/16 08:34	79-00-5	
1,1-Dichloroethane	<6.0	ug/L	25.0	6.0	25		06/03/16 08:34	75-34-3	
1,1-Dichloroethene	<10.3	ug/L	25.0	10.3	25		06/03/16 08:34	75-35-4	
1,1-Dichloropropene	<11.0	ug/L	25.0	11.0	25		06/03/16 08:34	563-58-6	
1,2,3-Trichlorobenzene	<53.3	ug/L	125	53.3	25		06/03/16 08:34	87-61-6	
1,2,3-Trichloropropane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	96-18-4	
1,2,4-Trichlorobenzene	<55.2	ug/L	125	55.2	25		06/03/16 08:34	120-82-1	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	95-63-6	
1,2-Dibromo-3-chloropropane	<54.1	ug/L	125	54.1	25		06/03/16 08:34	96-12-8	
1,2-Dibromoethane (EDB)	<4.4	ug/L	25.0	4.4	25		06/03/16 08:34	106-93-4	
1,2-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	95-50-1	
1,2-Dichloroethane	<4.2	ug/L	25.0	4.2	25		06/03/16 08:34	107-06-2	
1,2-Dichloropropane	<5.8	ug/L	25.0	5.8	25		06/03/16 08:34	78-87-5	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	108-67-8	
1,3-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	541-73-1	
1,3-Dichloropropane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	142-28-9	
1,4-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	106-46-7	
2,2-Dichloropropane	<12.1	ug/L	25.0	12.1	25		06/03/16 08:34	594-20-7	
2-Butanone (MEK)	1340	ug/L	500	74.5	25		06/03/16 08:34	78-93-3	
2-Chlorotoluene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	95-49-8	
2-Propanol	<609	ug/L	6250	609	25		06/03/16 08:34	67-63-0	
4-Chlorotoluene	<5.3	ug/L	25.0	5.3	25		06/03/16 08:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	<53.5	ug/L	125	53.5	25		06/03/16 08:34	108-10-1	
Acetone	3340	ug/L	500	73.8	25		06/03/16 08:34	67-64-1	
Benzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	71-43-2	
Bromobenzene	<5.8	ug/L	25.0	5.8	25		06/03/16 08:34	108-86-1	
Bromochloromethane	<8.5	ug/L	25.0	8.5	25		06/03/16 08:34	74-97-5	
Bromodichloromethane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	75-27-4	
Bromoform	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	75-25-2	
Bromomethane	<60.9	ug/L	125	60.9	25		06/03/16 08:34	74-83-9	
Carbon tetrachloride	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	56-23-5	
Chlorobenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	108-90-7	
Chloroethane	<9.4	ug/L	25.0	9.4	25		06/03/16 08:34	75-00-3	
Chloroform	<62.5	ug/L	125	62.5	25		06/03/16 08:34	67-66-3	
Chloromethane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	74-87-3	
Dibromochloromethane	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	124-48-1	
Dibromomethane	<10.7	ug/L	25.0	10.7	25		06/03/16 08:34	74-95-3	
Dichlorodifluoromethane	<5.6	ug/L	25.0	5.6	25		06/03/16 08:34	75-71-8	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	100-41-4	
Hexachloro-1,3-butadiene	<52.6	ug/L	125	52.6	25		06/03/16 08:34	87-68-3	
Isopropylbenzene (Cumene)	<3.6	ug/L	25.0	3.6	25		06/03/16 08:34	98-82-8	
Methyl-tert-butyl ether	<4.4	ug/L	25.0	4.4	25		06/03/16 08:34	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-8 **Lab ID: 40132917026** Collected: 05/25/16 12:50 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<5.8	ug/L	25.0	5.8	25		06/03/16 08:34	75-09-2	
Naphthalene	<62.5	ug/L	125	62.5	25		06/03/16 08:34	91-20-3	
Styrene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	100-42-5	
Tetrachloroethene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	127-18-4	
Toluene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	108-88-3	
Trichloroethene	<8.3	ug/L	25.0	8.3	25		06/03/16 08:34	79-01-6	
Trichlorofluoromethane	<4.6	ug/L	25.0	4.6	25		06/03/16 08:34	75-69-4	
Vinyl chloride	<4.4	ug/L	25.0	4.4	25		06/03/16 08:34	75-01-4	
cis-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		06/03/16 08:34	156-59-2	
cis-1,3-Dichloropropene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	10061-01-5	
m&p-Xylene	<25.0	ug/L	50.0	25.0	25		06/03/16 08:34	179601-23-1	
n-Butylbenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	104-51-8	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	103-65-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	95-47-6	
p-Isopropyltoluene	<12.5	ug/L	25.0	12.5	25		06/03/16 08:34	99-87-6	
sec-Butylbenzene	<54.7	ug/L	125	54.7	25		06/03/16 08:34	135-98-8	
tert-Butylbenzene	<4.5	ug/L	25.0	4.5	25		06/03/16 08:34	98-06-6	
trans-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		06/03/16 08:34	156-60-5	
trans-1,3-Dichloropropene	<5.7	ug/L	25.0	5.7	25		06/03/16 08:34	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		25		06/03/16 08:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130		25		06/03/16 08:34	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		25		06/03/16 08:34	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-9 **Lab ID: 40132917027** Collected: 05/25/16 12:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 08:50	630-20-6	
1,1,1-Trichloroethane	2.0	ug/L	1.0	0.50	1		06/02/16 08:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 08:50	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 08:50	79-00-5	
1,1-Dichloroethane	0.36J	ug/L	1.0	0.24	1		06/02/16 08:50	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 08:50	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 08:50	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 08:50	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 08:50	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 08:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 08:50	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 08:50	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 08:50	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 08:50	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 08:50	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 08:50	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 08:50	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 08:50	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 08:50	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 08:50	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 08:50	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 08:50	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 08:50	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 08:50	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 08:50	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 08:50	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 08:50	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 08:50	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 08:50	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-9 **Lab ID: 40132917027** Collected: 05/25/16 12:55 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	1.1	ug/L	1.0	0.23	1		06/02/16 08:50	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 08:50	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.33	1		06/02/16 08:50	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 08:50	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 08:50	75-01-4	
cis-1,2-Dichloroethene	0.36J	ug/L	1.0	0.26	1		06/02/16 08:50	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 08:50	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 08:50	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 08:50	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 08:50	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 08:50	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 08:50	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/02/16 08:50	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/02/16 08:50	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/02/16 08:50	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-10 **Lab ID: 40132917028** Collected: 05/25/16 12:30 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<90.3	ug/L	500	90.3	500		06/03/16 09:19	630-20-6	
1,1,1-Trichloroethane	831	ug/L	500	250	500		06/03/16 09:19	71-55-6	
1,1,2,2-Tetrachloroethane	<125	ug/L	500	125	500		06/03/16 09:19	79-34-5	
1,1,2-Trichloroethane	<98.7	ug/L	500	98.7	500		06/03/16 09:19	79-00-5	
1,1-Dichloroethane	<121	ug/L	500	121	500		06/03/16 09:19	75-34-3	
1,1-Dichloroethene	<205	ug/L	500	205	500		06/03/16 09:19	75-35-4	
1,1-Dichloropropene	<221	ug/L	500	221	500		06/03/16 09:19	563-58-6	
1,2,3-Trichlorobenzene	<1070	ug/L	2500	1070	500		06/03/16 09:19	87-61-6	
1,2,3-Trichloropropane	<250	ug/L	500	250	500		06/03/16 09:19	96-18-4	
1,2,4-Trichlorobenzene	<1100	ug/L	2500	1100	500		06/03/16 09:19	120-82-1	
1,2,4-Trimethylbenzene	<250	ug/L	500	250	500		06/03/16 09:19	95-63-6	
1,2-Dibromo-3-chloropropane	<1080	ug/L	2500	1080	500		06/03/16 09:19	96-12-8	
1,2-Dibromoethane (EDB)	<88.9	ug/L	500	88.9	500		06/03/16 09:19	106-93-4	
1,2-Dichlorobenzene	<250	ug/L	500	250	500		06/03/16 09:19	95-50-1	
1,2-Dichloroethane	<84.0	ug/L	500	84.0	500		06/03/16 09:19	107-06-2	
1,2-Dichloropropane	<117	ug/L	500	117	500		06/03/16 09:19	78-87-5	
1,3,5-Trimethylbenzene	<250	ug/L	500	250	500		06/03/16 09:19	108-67-8	
1,3-Dichlorobenzene	<250	ug/L	500	250	500		06/03/16 09:19	541-73-1	
1,3-Dichloropropane	<250	ug/L	500	250	500		06/03/16 09:19	142-28-9	
1,4-Dichlorobenzene	<250	ug/L	500	250	500		06/03/16 09:19	106-46-7	
2,2-Dichloropropane	<242	ug/L	500	242	500		06/03/16 09:19	594-20-7	
2-Butanone (MEK)	78400	ug/L	10000	1490	500		06/03/16 09:19	78-93-3	
2-Chlorotoluene	<250	ug/L	500	250	500		06/03/16 09:19	95-49-8	
2-Propanol	24500J	ug/L	125000	12200	500		06/03/16 09:19	67-63-0	
4-Chlorotoluene	<107	ug/L	500	107	500		06/03/16 09:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	1550J	ug/L	2500	1070	500		06/03/16 09:19	108-10-1	
Acetone	64900	ug/L	10000	1480	500		06/03/16 09:19	67-64-1	
Benzene	<250	ug/L	500	250	500		06/03/16 09:19	71-43-2	
Bromobenzene	<115	ug/L	500	115	500		06/03/16 09:19	108-86-1	
Bromochloromethane	<170	ug/L	500	170	500		06/03/16 09:19	74-97-5	
Bromodichloromethane	<250	ug/L	500	250	500		06/03/16 09:19	75-27-4	
Bromoform	<250	ug/L	500	250	500		06/03/16 09:19	75-25-2	
Bromomethane	<1220	ug/L	2500	1220	500		06/03/16 09:19	74-83-9	
Carbon tetrachloride	<250	ug/L	500	250	500		06/03/16 09:19	56-23-5	
Chlorobenzene	<250	ug/L	500	250	500		06/03/16 09:19	108-90-7	
Chloroethane	<187	ug/L	500	187	500		06/03/16 09:19	75-00-3	
Chloroform	<1250	ug/L	2500	1250	500		06/03/16 09:19	67-66-3	
Chloromethane	<250	ug/L	500	250	500		06/03/16 09:19	74-87-3	
Dibromochloromethane	<250	ug/L	500	250	500		06/03/16 09:19	124-48-1	
Dibromomethane	<213	ug/L	500	213	500		06/03/16 09:19	74-95-3	
Dichlorodifluoromethane	<112	ug/L	500	112	500		06/03/16 09:19	75-71-8	
Diisopropyl ether	<250	ug/L	500	250	500		06/03/16 09:19	108-20-3	
Ethylbenzene	571	ug/L	500	250	500		06/03/16 09:19	100-41-4	
Hexachloro-1,3-butadiene	<1050	ug/L	2500	1050	500		06/03/16 09:19	87-68-3	
Isopropylbenzene (Cumene)	<71.7	ug/L	500	71.7	500		06/03/16 09:19	98-82-8	
Methyl-tert-butyl ether	<87.1	ug/L	500	87.1	500		06/03/16 09:19	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-10 **Lab ID: 40132917028** Collected: 05/25/16 12:30 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	463J	ug/L	500	116	500		06/03/16 09:19	75-09-2	
Naphthalene	<1250	ug/L	2500	1250	500		06/03/16 09:19	91-20-3	
Styrene	<250	ug/L	500	250	500		06/03/16 09:19	100-42-5	
Tetrachloroethene	<250	ug/L	500	250	500		06/03/16 09:19	127-18-4	
Toluene	14000	ug/L	500	250	500		06/03/16 09:19	108-88-3	
Trichloroethene	589	ug/L	500	165	500		06/03/16 09:19	79-01-6	
Trichlorofluoromethane	<92.5	ug/L	500	92.5	500		06/03/16 09:19	75-69-4	
Vinyl chloride	<87.8	ug/L	500	87.8	500		06/03/16 09:19	75-01-4	
cis-1,2-Dichloroethene	276J	ug/L	500	128	500		06/03/16 09:19	156-59-2	
cis-1,3-Dichloropropene	<250	ug/L	500	250	500		06/03/16 09:19	10061-01-5	
m&p-Xylene	2050	ug/L	1000	500	500		06/03/16 09:19	179601-23-1	
n-Butylbenzene	<250	ug/L	500	250	500		06/03/16 09:19	104-51-8	
n-Propylbenzene	<250	ug/L	500	250	500		06/03/16 09:19	103-65-1	
o-Xylene	513	ug/L	500	250	500		06/03/16 09:19	95-47-6	
p-Isopropyltoluene	<250	ug/L	500	250	500		06/03/16 09:19	99-87-6	
sec-Butylbenzene	<1090	ug/L	2500	1090	500		06/03/16 09:19	135-98-8	
tert-Butylbenzene	<90.2	ug/L	500	90.2	500		06/03/16 09:19	98-06-6	
trans-1,2-Dichloroethene	<128	ug/L	500	128	500		06/03/16 09:19	156-60-5	
trans-1,3-Dichloropropene	<115	ug/L	500	115	500		06/03/16 09:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		500		06/03/16 09:19	1868-53-7	
Toluene-d8 (S)	100	%	70-130		500		06/03/16 09:19	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		500		06/03/16 09:19	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TRIP BLANK **Lab ID: 40132917029** Collected: 05/25/16 00:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 16:40	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 16:40	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 16:40	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 16:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 16:40	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 16:40	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 16:40	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 16:40	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 16:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 16:40	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 16:40	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 16:40	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 16:40	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 16:40	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 16:40	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 16:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 16:40	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 16:40	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 16:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 16:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 16:40	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 16:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 16:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 16:40	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 16:40	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 16:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 16:40	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 16:40	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: TRIP BLANK **Lab ID: 40132917029** Collected: 05/25/16 00:00 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.35J	ug/L	1.0	0.23	1		06/02/16 16:40	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 16:40	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 16:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 16:40	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 16:40	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 16:40	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 16:40	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:40	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 16:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 16:40	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 16:40	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 16:40	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/02/16 16:40	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		06/02/16 16:40	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/02/16 16:40	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-11 **Lab ID:** 40132917030 Collected: 05/25/16 17:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		06/03/16 08:57	630-20-6	
1,1,1-Trichloroethane	612	ug/L	50.0	25.0	50		06/03/16 08:57	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		06/03/16 08:57	79-34-5	
1,1,2-Trichloroethane	<9.9	ug/L	50.0	9.9	50		06/03/16 08:57	79-00-5	
1,1-Dichloroethane	266	ug/L	50.0	12.1	50		06/03/16 08:57	75-34-3	
1,1-Dichloroethene	<20.5	ug/L	50.0	20.5	50		06/03/16 08:57	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		06/03/16 08:57	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		06/03/16 08:57	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		06/03/16 08:57	120-82-1	
1,2,4-Trimethylbenzene	229	ug/L	50.0	25.0	50		06/03/16 08:57	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		06/03/16 08:57	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		06/03/16 08:57	106-93-4	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	95-50-1	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		06/03/16 08:57	107-06-2	
1,2-Dichloropropane	13.3J	ug/L	50.0	11.7	50		06/03/16 08:57	78-87-5	
1,3,5-Trimethylbenzene	90.8	ug/L	50.0	25.0	50		06/03/16 08:57	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		06/03/16 08:57	594-20-7	
2-Butanone (MEK)	1880	ug/L	1000	149	50		06/03/16 08:57	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	95-49-8	
2-Propanol	1390J	ug/L	12500	1220	50		06/03/16 08:57	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		06/03/16 08:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	<107	ug/L	250	107	50		06/03/16 08:57	108-10-1	
Acetone	2030	ug/L	1000	148	50		06/03/16 08:57	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		06/03/16 08:57	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		06/03/16 08:57	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	75-25-2	
Bromomethane	<122	ug/L	250	122	50		06/03/16 08:57	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		06/03/16 08:57	75-00-3	
Chloroform	<125	ug/L	250	125	50		06/03/16 08:57	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		06/03/16 08:57	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		06/03/16 08:57	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	108-20-3	
Ethylbenzene	368	ug/L	50.0	25.0	50		06/03/16 08:57	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		06/03/16 08:57	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		06/03/16 08:57	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		06/03/16 08:57	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132917

Sample: RW-11 **Lab ID: 40132917030** Collected: 05/25/16 17:10 Received: 05/26/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		06/03/16 08:57	75-09-2	
Naphthalene	<125	ug/L	250	125	50		06/03/16 08:57	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	100-42-5	
Tetrachloroethene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	127-18-4	
Toluene	6820	ug/L	50.0	25.0	50		06/03/16 08:57	108-88-3	
Trichloroethene	<16.5	ug/L	50.0	16.5	50		06/03/16 08:57	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		06/03/16 08:57	75-69-4	
Vinyl chloride	64.0	ug/L	50.0	8.8	50		06/03/16 08:57	75-01-4	
cis-1,2-Dichloroethene	2060	ug/L	50.0	12.8	50		06/03/16 08:57	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	10061-01-5	
m&p-Xylene	5210	ug/L	100	50.0	50		06/03/16 08:57	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	104-51-8	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	103-65-1	
o-Xylene	1840	ug/L	50.0	25.0	50		06/03/16 08:57	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		06/03/16 08:57	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		06/03/16 08:57	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		06/03/16 08:57	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		06/03/16 08:57	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		06/03/16 08:57	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		50		06/03/16 08:57	1868-53-7	
Toluene-d8 (S)	101	%	70-130		50		06/03/16 08:57	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		50		06/03/16 08:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

QC Batch: MSV/33708 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
 Associated Lab Samples: 40132917001, 40132917002, 40132917003, 40132917004, 40132917005, 40132917006, 40132917007,
 40132917008, 40132917009, 40132917010, 40132917011, 40132917012, 40132917013, 40132917014,
 40132917015, 40132917016, 40132917017, 40132917018, 40132917019, 40132917020

METHOD BLANK: 1341968

Matrix: Water

Associated Lab Samples: 40132917001, 40132917002, 40132917003, 40132917004, 40132917005, 40132917006, 40132917007,
 40132917008, 40132917009, 40132917010, 40132917011, 40132917012, 40132917013, 40132917014,
 40132917015, 40132917016, 40132917017, 40132917018, 40132917019, 40132917020

Parameter	Units	Blank Reporting		Analyzed	Qualifiers
		Result	Limit		
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/01/16 10:03	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/01/16 10:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/01/16 10:03	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/01/16 10:03	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/01/16 10:03	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/01/16 10:03	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/01/16 10:03	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/01/16 10:03	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/01/16 10:03	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/01/16 10:03	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/01/16 10:03	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/01/16 10:03	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/01/16 10:03	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 10:03	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/01/16 10:03	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/01/16 10:03	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/01/16 10:03	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 10:03	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/01/16 10:03	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 10:03	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/01/16 10:03	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/01/16 10:03	
2-Chlorotoluene	ug/L	<0.50	1.0	06/01/16 10:03	
2-Propanol	ug/L	<24.3	250	06/01/16 10:03	
4-Chlorotoluene	ug/L	<0.21	1.0	06/01/16 10:03	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/01/16 10:03	
Acetone	ug/L	<3.0	20.0	06/01/16 10:03	
Benzene	ug/L	<0.50	1.0	06/01/16 10:03	
Bromobenzene	ug/L	<0.23	1.0	06/01/16 10:03	
Bromochloromethane	ug/L	<0.34	1.0	06/01/16 10:03	
Bromodichloromethane	ug/L	<0.50	1.0	06/01/16 10:03	
Bromoform	ug/L	<0.50	1.0	06/01/16 10:03	
Bromomethane	ug/L	<2.4	5.0	06/01/16 10:03	
Carbon tetrachloride	ug/L	<0.50	1.0	06/01/16 10:03	
Chlorobenzene	ug/L	<0.50	1.0	06/01/16 10:03	
Chloroethane	ug/L	<0.37	1.0	06/01/16 10:03	
Chloroform	ug/L	<2.5	5.0	06/01/16 10:03	
Chloromethane	ug/L	<0.50	1.0	06/01/16 10:03	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

METHOD BLANK: 1341968

Matrix: Water

Associated Lab Samples: 40132917001, 40132917002, 40132917003, 40132917004, 40132917005, 40132917006, 40132917007, 40132917008, 40132917009, 40132917010, 40132917011, 40132917012, 40132917013, 40132917014, 40132917015, 40132917016, 40132917017, 40132917018, 40132917019, 40132917020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/01/16 10:03	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/01/16 10:03	
Dibromochloromethane	ug/L	<0.50	1.0	06/01/16 10:03	
Dibromomethane	ug/L	<0.43	1.0	06/01/16 10:03	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/01/16 10:03	
Diisopropyl ether	ug/L	<0.50	1.0	06/01/16 10:03	
Ethylbenzene	ug/L	<0.50	1.0	06/01/16 10:03	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/01/16 10:03	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/01/16 10:03	
m&p-Xylene	ug/L	<1.0	2.0	06/01/16 10:03	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/01/16 10:03	
Methylene Chloride	ug/L	<0.23	1.0	06/01/16 10:03	
n-Butylbenzene	ug/L	<0.50	1.0	06/01/16 10:03	
n-Propylbenzene	ug/L	<0.50	1.0	06/01/16 10:03	
Naphthalene	ug/L	<2.5	5.0	06/01/16 10:03	
o-Xylene	ug/L	<0.50	1.0	06/01/16 10:03	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/01/16 10:03	
sec-Butylbenzene	ug/L	<2.2	5.0	06/01/16 10:03	
Styrene	ug/L	<0.50	1.0	06/01/16 10:03	
tert-Butylbenzene	ug/L	<0.18	1.0	06/01/16 10:03	
Tetrachloroethene	ug/L	<0.50	1.0	06/01/16 10:03	
Toluene	ug/L	<0.50	1.0	06/01/16 10:03	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/01/16 10:03	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/01/16 10:03	
Trichloroethene	ug/L	<0.33	1.0	06/01/16 10:03	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/01/16 10:03	
Vinyl chloride	ug/L	<0.18	1.0	06/01/16 10:03	
4-Bromofluorobenzene (S)	%	94	70-130	06/01/16 10:03	
Dibromofluoromethane (S)	%	94	70-130	06/01/16 10:03	
Toluene-d8 (S)	%	96	70-130	06/01/16 10:03	

LABORATORY CONTROL SAMPLE: 1341969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	67-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	47.9	96	70-133	
1,1-Dichloroethene	ug/L	50	50.0	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	44.5	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.4	83	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

LABORATORY CONTROL SAMPLE: 1341969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,2-Dichloroethane	ug/L	50	45.0	90	70-130	
1,2-Dichloropropane	ug/L	50	47.6	95	70-130	
1,3-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
Benzene	ug/L	50	49.0	98	60-135	
Bromodichloromethane	ug/L	50	54.2	108	70-130	
Bromoform	ug/L	50	53.1	106	70-130	
Bromomethane	ug/L	50	51.8	104	33-130	
Carbon tetrachloride	ug/L	50	50.4	101	70-138	
Chlorobenzene	ug/L	50	50.4	101	70-130	
Chloroethane	ug/L	50	46.5	93	51-130	
Chloroform	ug/L	50	50.2	100	70-130	
Chloromethane	ug/L	50	38.5	77	25-132	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	69-130	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Dibromochloromethane	ug/L	50	51.7	103	70-130	
Dichlorodifluoromethane	ug/L	50	35.6	71	23-130	
Ethylbenzene	ug/L	50	52.6	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.2	106	70-140	
m&p-Xylene	ug/L	100	108	108	70-138	
Methyl-tert-butyl ether	ug/L	50	51.7	103	66-138	
Methylene Chloride	ug/L	50	52.3	105	70-130	
o-Xylene	ug/L	50	52.9	106	70-134	
Styrene	ug/L	50	53.9	108	70-133	
Tetrachloroethene	ug/L	50	54.4	109	70-138	
Toluene	ug/L	50	52.4	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.6	103	70-131	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	69-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	49.3	99	50-150	
Vinyl chloride	ug/L	50	45.0	90	49-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1343833 1343834

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40132917007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	0.98J	50	50	51.2	50.7	101	99	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	45.7	47.2	91	94	67-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.5	51.2	101	102	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.0	47.2	96	94	70-134	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	50.0	48.7	100	97	68-136	3	20	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

Parameter	Units	40132917007		1343833		1343834		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	44.7	45.2	87	88	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	40.9	39.1	82	78	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.2	53.2	104	106	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.0	49.6	98	99	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	46.0	45.0	92	90	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	47.1	47.9	94	96	70-130	2	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.6	48.1	97	96	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.6	47.6	95	95	70-130	0	20		
Benzene	ug/L	<0.50	50	50	50.6	48.2	101	96	57-138	5	20		
Bromodichloromethane	ug/L	<0.50	50	50	52.9	55.1	106	110	70-130	4	20		
Bromoform	ug/L	<0.50	50	50	53.7	52.7	107	105	70-130	2	20		
Bromomethane	ug/L	<2.4	50	50	57.4	53.9	115	108	33-130	6	27		
Carbon tetrachloride	ug/L	<0.50	50	50	51.3	49.0	103	98	70-138	5	20		
Chlorobenzene	ug/L	<0.50	50	50	50.2	50.1	100	100	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	46.3	45.5	93	91	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	50.4	50.1	101	100	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	35.5	35.7	70	71	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50.9	50.7	102	101	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.5	49.2	93	98	70-130	6	20		
Dibromochloromethane	ug/L	<0.50	50	50	51.9	51.3	104	103	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	32.2	31.6	64	63	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	53.2	51.5	106	103	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.8	51.9	106	104	70-152	2	20		
m&p-Xylene	ug/L	<1.0	100	100	106	105	106	105	70-140	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	52.3	52.7	105	105	66-139	1	20		
Methylene Chloride	ug/L	<0.23	50	50	52.6	53.1	105	106	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	53.3	52.2	107	104	70-134	2	20		
Styrene	ug/L	<0.50	50	50	54.5	53.8	109	108	70-138	1	20		
Tetrachloroethene	ug/L	1.1	50	50	55.0	54.0	108	106	70-148	2	20		
Toluene	ug/L	<0.50	50	50	53.0	51.3	106	103	70-130	3	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	51.4	50.1	103	100	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	45.6	46.0	91	92	69-130	1	20		
Trichloroethene	ug/L	0.48J	50	50	53.2	52.3	105	104	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	48.2	47.1	96	94	50-150	2	20		
Vinyl chloride	ug/L	<0.18	50	50	43.6	42.4	87	85	49-133	3	20		
4-Bromofluorobenzene (S)	%						99	99	70-130				
Dibromofluoromethane (S)	%						97	99	70-130				
Toluene-d8 (S)	%						98	96	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

QC Batch: MSV/33727

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Oxygenates

Associated Lab Samples: 40132917023, 40132917024, 40132917025, 40132917026, 40132917027, 40132917028, 40132917029, 40132917030

METHOD BLANK: 1343430

Matrix: Water

Associated Lab Samples: 40132917023, 40132917024, 40132917025, 40132917026, 40132917027, 40132917028, 40132917029, 40132917030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/02/16 06:57	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/02/16 06:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/02/16 06:57	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/02/16 06:57	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/02/16 06:57	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/02/16 06:57	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/02/16 06:57	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/02/16 06:57	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/02/16 06:57	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/02/16 06:57	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/02/16 06:57	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/02/16 06:57	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/02/16 06:57	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/02/16 06:57	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/02/16 06:57	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/02/16 06:57	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/02/16 06:57	
2-Chlorotoluene	ug/L	<0.50	1.0	06/02/16 06:57	
2-Propanol	ug/L	<24.3	250	06/02/16 06:57	
4-Chlorotoluene	ug/L	<0.21	1.0	06/02/16 06:57	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/02/16 06:57	
Acetone	ug/L	<3.0	20.0	06/02/16 06:57	
Benzene	ug/L	<0.50	1.0	06/02/16 06:57	
Bromobenzene	ug/L	<0.23	1.0	06/02/16 06:57	
Bromochloromethane	ug/L	<0.34	1.0	06/02/16 06:57	
Bromodichloromethane	ug/L	<0.50	1.0	06/02/16 06:57	
Bromoform	ug/L	<0.50	1.0	06/02/16 06:57	
Bromomethane	ug/L	<2.4	5.0	06/02/16 06:57	
Carbon tetrachloride	ug/L	<0.50	1.0	06/02/16 06:57	
Chlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Chloroethane	ug/L	<0.37	1.0	06/02/16 06:57	
Chloroform	ug/L	<2.5	5.0	06/02/16 06:57	
Chloromethane	ug/L	<0.50	1.0	06/02/16 06:57	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/02/16 06:57	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/02/16 06:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

METHOD BLANK: 1343430

Matrix: Water

Associated Lab Samples: 40132917023, 40132917024, 40132917025, 40132917026, 40132917027, 40132917028, 40132917029, 40132917030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.50	1.0	06/02/16 06:57	
Dibromomethane	ug/L	<0.43	1.0	06/02/16 06:57	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/02/16 06:57	
Diisopropyl ether	ug/L	<0.50	1.0	06/02/16 06:57	
Ethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/02/16 06:57	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/02/16 06:57	
m&p-Xylene	ug/L	<1.0	2.0	06/02/16 06:57	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/02/16 06:57	
Methylene Chloride	ug/L	<0.23	1.0	06/02/16 06:57	
n-Butylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
n-Propylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Naphthalene	ug/L	<2.5	5.0	06/02/16 06:57	
o-Xylene	ug/L	<0.50	1.0	06/02/16 06:57	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/02/16 06:57	
sec-Butylbenzene	ug/L	<2.2	5.0	06/02/16 06:57	
Styrene	ug/L	<0.50	1.0	06/02/16 06:57	
tert-Butylbenzene	ug/L	<0.18	1.0	06/02/16 06:57	
Tetrachloroethene	ug/L	<0.50	1.0	06/02/16 06:57	
Toluene	ug/L	<0.50	1.0	06/02/16 06:57	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/02/16 06:57	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/02/16 06:57	
Trichloroethene	ug/L	<0.33	1.0	06/02/16 06:57	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/02/16 06:57	
Vinyl chloride	ug/L	<0.18	1.0	06/02/16 06:57	
4-Bromofluorobenzene (S)	%	92	70-130	06/02/16 06:57	
Dibromofluoromethane (S)	%	99	70-130	06/02/16 06:57	
Toluene-d8 (S)	%	103	70-130	06/02/16 06:57	

LABORATORY CONTROL SAMPLE: 1343431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	92	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	67-130	
1,1,2-Trichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethane	ug/L	20	18.2	91	70-133	
1,1-Dichloroethene	ug/L	20	16.5	83	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.2	101	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	22.4	112	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.3	96	70-130	
1,2-Dichloropropane	ug/L	20	20.3	102	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

LABORATORY CONTROL SAMPLE: 1343431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	20.3	102	70-130	
Benzene	ug/L	20	18.0	90	60-135	
Bromodichloromethane	ug/L	20	20.1	101	70-130	
Bromoform	ug/L	20	20.7	104	70-130	
Bromomethane	ug/L	20	12.0	60	33-130	
Carbon tetrachloride	ug/L	20	18.4	92	70-138	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	15.5	77	51-130	
Chloroform	ug/L	20	19.3	97	70-130	
Chloromethane	ug/L	20	12.3	62	25-132	
cis-1,2-Dichloroethene	ug/L	20	17.5	88	69-130	
cis-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
Dibromochloromethane	ug/L	20	21.7	108	70-130	
Dichlorodifluoromethane	ug/L	20	10.5	53	23-130	
Ethylbenzene	ug/L	20	20.4	102	70-136	
Isopropylbenzene (Cumene)	ug/L	20	21.2	106	70-140	
m&p-Xylene	ug/L	40	44.0	110	70-138	
Methyl-tert-butyl ether	ug/L	20	19.6	98	66-138	
Methylene Chloride	ug/L	20	17.8	89	70-130	
o-Xylene	ug/L	20	20.8	104	70-134	
Styrene	ug/L	20	22.2	111	70-133	
Tetrachloroethene	ug/L	20	20.2	101	70-138	
Toluene	ug/L	20	21.3	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.6	88	70-131	
trans-1,3-Dichloropropene	ug/L	20	19.9	100	69-130	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	17.4	87	50-150	
Vinyl chloride	ug/L	20	14.5	73	49-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			106	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344287 1344288

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40132917027 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/L	2.0	50	50	49.8	50.5	96	97	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.2	51.9	104	104	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.4	50.6	105	101	70-130	4	20		
1,1-Dichloroethane	ug/L	0.36J	50	50	46.6	46.6	92	92	70-134	0	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	44.1	43.4	88	87	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.9	45.7	91	91	62-139	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	53.6	53.3	107	107	50-150	1	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

Parameter	Units	40132917027		1344287		1344288		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.8	54.9	110	110	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.5	50.9	103	102	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	46.0	46.5	92	93	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	52.0	50.6	104	101	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.6	51.5	101	103	70-131	2	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.0	51.1	98	102	70-130	4	20		
Benzene	ug/L	<0.50	50	50	47.5	47.2	95	94	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	51.2	50.3	102	101	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	53.9	52.4	108	105	70-130	3	20		
Bromomethane	ug/L	<2.4	50	50	33.5	37.4	67	75	33-130	11	27		
Carbon tetrachloride	ug/L	<0.50	50	50	48.9	50.2	98	100	70-138	2	20		
Chlorobenzene	ug/L	<0.50	50	50	51.9	52.3	104	104	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	44.3	45.1	89	90	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	47.0	47.6	94	95	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	36.4	36.6	73	73	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	0.36J	50	50	46.2	46.7	92	93	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.2	48.5	96	97	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	53.7	53.5	107	107	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	28.1	27.2	56	54	23-130	3	20		
Ethylbenzene	ug/L	<0.50	50	50	54.0	54.1	108	108	70-138	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.4	55.7	113	111	70-152	1	20		
m&p-Xylene	ug/L	<1.0	100	100	113	112	113	112	70-140	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	47.4	47.1	95	94	66-139	1	20		
Methylene Chloride	ug/L	1.1	50	50	45.5	46.2	89	90	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	54.8	54.6	110	109	70-134	0	20		
Styrene	ug/L	<0.50	50	50	56.6	56.5	113	113	70-138	0	20		
Tetrachloroethene	ug/L	<0.50	50	50	52.6	52.1	104	104	70-148	1	20		
Toluene	ug/L	<0.50	50	50	54.5	54.0	108	107	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	45.6	46.1	91	92	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.0	50.1	100	100	69-130	0	20		
Trichloroethene	ug/L	1.3	50	50	52.7	52.7	103	103	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	45.5	45.6	91	91	50-150	0	20		
Vinyl chloride	ug/L	<0.18	50	50	39.8	39.1	80	78	49-133	2	20		
4-Bromofluorobenzene (S)	%						100	100	70-130				
Dibromofluoromethane (S)	%						96	97	70-130				
Toluene-d8 (S)	%						105	105	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40132917

QC Batch: MSV/33744 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40132917021, 40132917022

METHOD BLANK: 1343593 Matrix: Water
Associated Lab Samples: 40132917021, 40132917022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/31/16 15:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/31/16 15:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/31/16 15:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/31/16 15:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/31/16 15:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/31/16 15:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/31/16 15:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/31/16 15:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/31/16 15:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/31/16 15:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/31/16 15:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/31/16 15:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/31/16 15:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/31/16 15:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/31/16 15:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/31/16 15:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/31/16 15:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/31/16 15:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/31/16 15:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/31/16 15:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/31/16 15:14	
2-Butanone (MEK)	ug/L	<3.0	20.0	05/31/16 15:14	
2-Chlorotoluene	ug/L	<0.50	1.0	05/31/16 15:14	
2-Propanol	ug/L	<24.3	250	05/31/16 15:14	
4-Chlorotoluene	ug/L	<0.21	1.0	05/31/16 15:14	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	05/31/16 15:14	
Acetone	ug/L	<3.0	20.0	05/31/16 15:14	
Benzene	ug/L	<0.50	1.0	05/31/16 15:14	
Bromobenzene	ug/L	<0.23	1.0	05/31/16 15:14	
Bromochloromethane	ug/L	<0.34	1.0	05/31/16 15:14	
Bromodichloromethane	ug/L	<0.50	1.0	05/31/16 15:14	
Bromoform	ug/L	<0.50	1.0	05/31/16 15:14	
Bromomethane	ug/L	<2.4	5.0	05/31/16 15:14	
Carbon tetrachloride	ug/L	<0.50	1.0	05/31/16 15:14	
Chlorobenzene	ug/L	<0.50	1.0	05/31/16 15:14	
Chloroethane	ug/L	<0.37	1.0	05/31/16 15:14	
Chloroform	ug/L	<2.5	5.0	05/31/16 15:14	
Chloromethane	ug/L	<0.50	1.0	05/31/16 15:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/31/16 15:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/31/16 15:14	
Dibromochloromethane	ug/L	<0.50	1.0	05/31/16 15:14	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40132917

METHOD BLANK: 1343593 Matrix: Water
Associated Lab Samples: 40132917021, 40132917022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	05/31/16 15:14	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/31/16 15:14	
Diisopropyl ether	ug/L	<0.50	1.0	05/31/16 15:14	
Ethylbenzene	ug/L	<0.50	1.0	05/31/16 15:14	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/31/16 15:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/31/16 15:14	
m&p-Xylene	ug/L	<1.0	2.0	05/31/16 15:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/31/16 15:14	
Methylene Chloride	ug/L	<0.23	1.0	05/31/16 15:14	
n-Butylbenzene	ug/L	<0.50	1.0	05/31/16 15:14	
n-Propylbenzene	ug/L	<0.50	1.0	05/31/16 15:14	
Naphthalene	ug/L	<2.5	5.0	05/31/16 15:14	
o-Xylene	ug/L	<0.50	1.0	05/31/16 15:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/31/16 15:14	
sec-Butylbenzene	ug/L	<2.2	5.0	05/31/16 15:14	
Styrene	ug/L	<0.50	1.0	05/31/16 15:14	
tert-Butylbenzene	ug/L	<0.18	1.0	05/31/16 15:14	
Tetrachloroethene	ug/L	<0.50	1.0	05/31/16 15:14	
Toluene	ug/L	<0.50	1.0	05/31/16 15:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/31/16 15:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/31/16 15:14	
Trichloroethene	ug/L	<0.33	1.0	05/31/16 15:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/31/16 15:14	
Vinyl chloride	ug/L	<0.18	1.0	05/31/16 15:14	
4-Bromofluorobenzene (S)	%	91	70-130	05/31/16 15:14	
Dibromofluoromethane (S)	%	116	70-130	05/31/16 15:14	
Toluene-d8 (S)	%	94	70-130	05/31/16 15:14	

LABORATORY CONTROL SAMPLE: 1343594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.4	93	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	67-130	
1,1,2-Trichloroethane	ug/L	50	45.9	92	70-130	
1,1-Dichloroethane	ug/L	50	46.4	93	70-133	
1,1-Dichloroethene	ug/L	50	40.6	81	70-130	
1,2,4-Trichlorobenzene	ug/L	50	43.7	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.2	86	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	44.4	89	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	46.5	93	70-130	
1,2-Dichloropropane	ug/L	50	52.1	104	70-130	
1,3-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132917

LABORATORY CONTROL SAMPLE: 1343594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.3	97	60-135	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	43.0	86	70-130	
Bromomethane	ug/L	50	28.6	57	33-130	
Carbon tetrachloride	ug/L	50	48.6	97	70-138	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	44.2	88	51-130	
Chloroform	ug/L	50	47.8	96	70-130	
Chloromethane	ug/L	50	31.5	63	25-132	
cis-1,2-Dichloroethene	ug/L	50	43.3	87	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	
Dibromochloromethane	ug/L	50	44.6	89	70-130	
Dichlorodifluoromethane	ug/L	50	20.4	41	23-130	
Ethylbenzene	ug/L	50	51.8	104	70-136	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	70-140	
m&p-Xylene	ug/L	100	108	108	70-138	
Methyl-tert-butyl ether	ug/L	50	45.4	91	66-138	
Methylene Chloride	ug/L	50	46.1	92	70-130	
o-Xylene	ug/L	50	50.5	101	70-134	
Styrene	ug/L	50	55.2	110	70-133	
Tetrachloroethene	ug/L	50	46.4	93	70-138	
Toluene	ug/L	50	50.2	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.4	93	70-131	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	69-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	45.2	90	50-150	
Vinyl chloride	ug/L	50	39.1	78	49-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1343618 1343619

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40132851001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	48.0	48.3	96	97	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.1	50.6	104	101	67-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	49.8	47.3	100	95	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	47.9	47.3	96	95	70-134	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	43.8	42.5	88	85	68-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	40.8	40.7	81	81	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.1	46.0	88	92	50-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	47.3	47.6	95	95	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.5	48.6	97	97	70-130	0	20	

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: 55929.005 WRR

Pace Project No.: 40132917

Parameter	Units	1343618		1343619		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40132851001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloroethane	ug/L	<0.17	50	50	48.0	48.1	96	96	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	52.3	51.9	105	104	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	47.2	47.5	94	95	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.3	48.8	97	98	70-130	1	20		
Benzene	ug/L	<0.50	50	50	49.1	49.2	98	98	57-138	0	20		
Bromodichloromethane	ug/L	5.9	50	50	56.5	56.4	101	101	70-130	0	20		
Bromoform	ug/L	<0.50	50	50	44.0	43.6	88	87	70-130	1	20		
Bromomethane	ug/L	<2.4	50	50	37.6	38.3	75	77	33-130	2	27		
Carbon tetrachloride	ug/L	<0.50	50	50	50.0	49.1	100	98	70-138	2	20		
Chlorobenzene	ug/L	<0.50	50	50	50.9	50.6	102	101	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	45.0	45.2	90	90	51-130	1	20		
Chloroform	ug/L	11.6	50	50	58.9	58.6	95	94	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	33.5	32.6	67	65	25-132	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.9	42.7	90	85	61-140	5	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.9	46.2	94	92	70-130	1	20		
Dibromochloromethane	ug/L	1.8	50	50	49.4	48.5	95	93	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	22.3	19.7	45	39	23-130	12	20		
Ethylbenzene	ug/L	<0.50	50	50	52.1	50.5	104	101	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.9	53.4	108	107	70-152	1	20		
m&p-Xylene	ug/L	<1.0	100	100	103	101	103	101	70-140	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	44.5	46.6	89	93	66-139	5	20		
Methylene Chloride	ug/L	<0.23	50	50	46.7	46.1	93	92	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	48.1	47.4	96	95	70-134	2	20		
Styrene	ug/L	<0.50	50	50	44.9	45.9	90	92	70-138	2	20		
Tetrachloroethene	ug/L	<0.50	50	50	47.5	47.0	95	94	70-148	1	20		
Toluene	ug/L	<0.50	50	50	50.7	50.4	101	100	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.4	47.6	95	95	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	47.2	46.1	94	92	69-130	3	20		
Trichloroethene	ug/L	<0.33	50	50	52.3	51.3	105	103	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	46.3	45.7	93	91	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	41.0	40.2	82	80	49-133	2	20		
4-Bromofluorobenzene (S)	%						103	103	70-130				
Dibromofluoromethane (S)	%						101	101	70-130				
Toluene-d8 (S)	%						101	100	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR
Pace Project No.: 40132917

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40132917

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40132917001	W-1	EPA 8260	MSV/33708		
40132917002	W-1A	EPA 8260	MSV/33708		
40132917003	W-1A DUP	EPA 8260	MSV/33708		
40132917004	W-1D	EPA 8260	MSV/33708		
40132917005	W-2	EPA 8260	MSV/33708		
40132917006	W-2A	EPA 8260	MSV/33708		
40132917007	W-2B	EPA 8260	MSV/33708		
40132917008	W-3A	EPA 8260	MSV/33708		
40132917009	W-3B	EPA 8260	MSV/33708		
40132917010	W-5	EPA 8260	MSV/33708		
40132917011	W-7	EPA 8260	MSV/33708		
40132917012	W-7A	EPA 8260	MSV/33708		
40132917013	W-31A	EPA 8260	MSV/33708		
40132917014	W-31B	EPA 8260	MSV/33708		
40132917015	MW-113	EPA 8260	MSV/33708		
40132917016	MW-113 DUP	EPA 8260	MSV/33708		
40132917017	MW-31B DUP	EPA 8260	MSV/33708		
40132917018	MW-113A	EPA 8260	MSV/33708		
40132917019	MW-113B	EPA 8260	MSV/33708		
40132917020	TW-1	EPA 8260	MSV/33708		
40132917021	TW-1 DUP	EPA 8260	MSV/33744		
40132917022	LOWE'S HP	EPA 8260	MSV/33744		
40132917023	RW-2	EPA 8260	MSV/33727		
40132917024	RW-4	EPA 8260	MSV/33727		
40132917025	RW-5	EPA 8260	MSV/33727		
40132917026	RW-8	EPA 8260	MSV/33727		
40132917027	RW-9	EPA 8260	MSV/33727		
40132917028	RW-10	EPA 8260	MSV/33727		
40132917029	TRIP BLANK	EPA 8260	MSV/33727		
40132917030	RW-11	EPA 8260	MSV/33727		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison WI
 Project Contact: Anthony Miller
 Phone: 608-286-8471
 Project Number: 55929.005
 Project Name: WRR
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 3
 40132917
 Page 84 of 87

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Y / N	Pick Letter	Analyses Requested
N	B	VOCs 8260
		3

Quote #: PACE 2016
 Mail To Contact: Anthony Miller
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr Madison, WI 53717
 Invoice To Contact: See mail to
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone: 608-836-1500

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	W-1	5/25/16	10:00	GW
002	W-1A		11:00	
003	W-1A dup		11:00	
004	W-1D		11:35	
005	W-2		8:55	
006	W-2A		9:55	
007	W-2B		10:05	
008	W-3A		9:00	
009	W-3B		8:35	
010	W-5		8:25	
011	W-7		15:50	
012	W-7A		14:00	
013	W-81A		14:10	

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #
3-40m LVB

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: Chelsea Payne Date/Time: 5/25/16 19:30
 Relinquished By: Dunham Date/Time: 5/26/16 07:30
 Relinquished By:
 Relinquished By:
 Relinquished By:

Received By: Date/Time:
 Received By: [Signature] Date/Time: 5/26/16 07:30
 Received By:
 Received By:
 Received By:

PACE Project No. 40132917
 Receipt Temp = ROI °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact:
 Phone:
 Project Number: 55929.005
 Project Name:
 Project State: See pg 1
 Sampled By (Print):
 Sampled By (Sign):



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 2 of 3

Page 85 of 87

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	Matrix	DATE	TIME
	B	005, 8260	GW	5/25/16	13:50
					11:20
					13:50
					11:15
					11:00
					10:10
					10:10
					11:35
					12:40
					12:35
					16:50
					12:50

Quote #:
 Mail To Contact:
 Mail To Company: See pg 1
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD
 On your sample (billable)
 NOT needed on your sample
Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX
014	W-31B	5/25/16	13:50	GW
015	MW-113		11:20	
016	MW-113 dup			
017	W-31B dup		13:50	
018	MW 113 A		11:15	
019	MW 113 B		11:00	
020	TW-1		10:10	
021	TW-1 dup		10:10	
022	RW-2 Lane's HP		11:35	
023	RW-3		12:40	
024	RW-4		12:35	
025	RW-5		16:50	
026	RW-8		12:50	

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

3-40ml^B
2-40ml^B

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Chris Page Date/Time:
 Relinquished By: Dunham Date/Time: 5/26/16 0730
 Relinquished By:
 Relinquished By:
 Relinquished By:

Received By:
 Received By: Doreen Pace Date/Time: 5/26/16 0730
 Received By:
 Received By:
 Received By:

PACE Project No.
40132917
 Receipt Temp = 16.1 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Gannett Fleming
Madison WI
Anthony Miller
608-836-1500

Chain of Custody
FOR GF &
PACE ANALYTICAL
Green Bay, WI

40132917

pg 3 of 3

Mj# 55929.005
WRR

Sunder Chelsea Payne
Alicia Pope

ANALYSES
- not filtered
- HCl pres.

FIELD ID	COLLECTION DATE	TIME	MATRIX	ANALYSES
027 RW-9	5-25-16	12:55	GW	VOCs 8260
028 RW-10	↓	12:30	↓	↓
029 Trip Blank	↓		↓	↓
030 RW-11	~	17:10	~	~

3-40ml v B
↓
4-40ml v B
3-40ml v B

Dunham 5/26/16 0730 R. Yasee Pace 5/26/16 0730

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #:

WO#: 40132917



Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #: 172116

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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROI /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 5/26/16
Initials: SL

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>page 3 of 3 not relinquished</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>Spalillo R</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>024 only 2 vials received</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9. <u>no MS/MSD volume</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Spalillo R</u>
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>TB expired 4/27/16</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased)	<u>042715-3cc</u>	<u>5/26/16</u>

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

AMH-RBDM

Date:

5/26/16

June 13, 2016

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 06/14/16.**

RE: Project: 55929.005 WRR
Pace Project No.: 40132990

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40132990

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40132990001	W-3	Water	05/24/16 16:35	05/27/16 07:30
40132990002	W-4	Water	05/24/16 15:45	05/27/16 07:30
40132990003	W-17	Water	05/24/16 10:15	05/27/16 07:30
40132990004	W-17A	Water	05/24/16 10:35	05/27/16 07:30
40132990005	W-17B	Water	05/24/16 10:45	05/27/16 07:30
40132990006	W-18	Water	05/24/16 13:25	05/27/16 07:30
40132990007	W-18A	Water	05/24/16 13:30	05/27/16 07:30
40132990008	W-18A DUP	Water	05/24/16 13:30	05/27/16 07:30
40132990009	W-19R	Water	05/24/16 14:20	05/27/16 07:30
40132990010	W-22	Water	05/24/16 12:55	05/27/16 07:30
40132990011	W-27	Water	05/24/16 09:05	05/27/16 07:30
40132990012	W-28	Water	05/24/16 11:15	05/27/16 07:30
40132990013	W-29	Water	05/24/16 11:00	05/27/16 07:30
40132990014	MW-106	Water	05/24/16 09:30	05/27/16 07:30
40132990015	MW-106A	Water	05/24/16 09:50	05/27/16 07:30
40132990016	MW-111	Water	05/24/16 09:10	05/27/16 07:30
40132990017	MW-111A	Water	05/24/16 08:55	05/27/16 07:30
40132990018	MW-111B	Water	05/24/16 09:15	05/27/16 07:30
40132990019	MW-112	Water	05/24/16 09:40	05/27/16 07:30
40132990020	MW-112A	Water	05/24/16 09:50	05/27/16 07:30
40132990021	MW-112B	Water	05/24/16 10:15	05/27/16 07:30
40132990022	MW-114	Water	05/24/16 13:35	05/27/16 07:30
40132990023	MW-114A	Water	05/24/16 13:50	05/27/16 07:30
40132990024	MW-114B	Water	05/24/16 13:55	05/27/16 07:30
40132990025	MW-115	Water	05/24/16 13:20	05/27/16 07:30
40132990026	MW-115A	Water	05/24/16 14:40	05/27/16 07:30
40132990027	MW-115B	Water	05/24/16 14:50	05/27/16 07:30
40132990028	MW-116	Water	05/24/16 12:50	05/27/16 07:30
40132990029	TRIP BLANK	Water	05/24/16 00:00	05/27/16 07:30
40132990030	DRINKING WATER	Water	05/24/16 07:10	05/27/16 07:30
40132990031	W-20	Water	05/24/16 16:00	05/27/16 07:30
40132990032	W-26	Water	05/24/16 15:00	05/27/16 07:30
40132990033	W-30A	Water	05/24/16 16:55	05/27/16 07:30
40132990034	W-30B	Water	05/24/16 16:45	05/27/16 07:30
40132990035	FIELD BLANK	Water	05/24/16 07:30	05/27/16 07:30
40132990036	RW-7	Water	05/24/16 15:15	05/27/16 07:30
40132990037	RW-6	Water	05/24/16 14:15	05/27/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40132990038	FIELD METHOD BLANK	Water	05/24/16 13:30	05/27/16 07:30
40132990039	S2N	Water	05/24/16 08:10	05/27/16 07:30
40132990040	S7N	Water	05/24/16 08:25	05/27/16 07:30
40132990041	S8N	Water	05/24/16 08:35	05/27/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40132990001	W-3	EPA 8260	LAP	68
40132990002	W-4	EPA 8260	LAP	68
40132990003	W-17	EPA 8260	LAP	68
40132990004	W-17A	EPA 8260	LAP	68
40132990005	W-17B	EPA 8260	LAP	68
40132990006	W-18	EPA 8260	LAP	68
40132990007	W-18A	EPA 8260	LAP	68
40132990008	W-18A DUP	EPA 8260	LAP	68
40132990009	W-19R	EPA 8260	LAP	68
40132990010	W-22	EPA 8260	LAP	68
40132990011	W-27	EPA 8260	LAP	68
40132990012	W-28	EPA 8260	LAP	68
40132990013	W-29	EPA 8260	LAP	68
40132990014	MW-106	EPA 8260	LAP	68
40132990015	MW-106A	EPA 8260	LAP	68
40132990016	MW-111	EPA 8260	LAP	68
40132990017	MW-111A	EPA 8260	LAP	68
40132990018	MW-111B	EPA 8260	LAP	68
40132990019	MW-112	EPA 8260	LAP	68
40132990020	MW-112A	EPA 8260	LAP	68
40132990021	MW-112B	EPA 8260	LAP	68
40132990022	MW-114	EPA 8260	LAP	68
40132990023	MW-114A	EPA 8260	LAP	68
40132990024	MW-114B	EPA 8260	LAP	68
40132990025	MW-115	EPA 8260	LAP	68
40132990026	MW-115A	EPA 8260	LAP	68
40132990027	MW-115B	EPA 8260	LAP	68
40132990028	MW-116	EPA 8260	LAP	68
40132990029	TRIP BLANK	EPA 8260	LAP	68
40132990030	DRINKING WATER	EPA 8260	LAP	68
40132990031	W-20	EPA 8260	LAP	68
40132990032	W-26	EPA 8260	LAP	68
40132990033	W-30A	EPA 8260	LAP	68
40132990034	W-30B	EPA 8260	LAP	68
40132990035	FIELD BLANK	EPA 8260	LAP	68
40132990036	RW-7	EPA 8260	LAP	68
40132990037	RW-6	EPA 8260	LAP	68

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40132990038	FIELD METHOD BLANK	EPA 8260	LAP	68
40132990039	S2N	EPA 8260	LAP	68
40132990040	S7N	EPA 8260	LAP	68
40132990041	S8N	EPA 8260	LAP	68

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132990004	W-17A					
EPA 8260	1,1-Dichloroethane	39.1	ug/L	10.0	06/02/16 13:39	
EPA 8260	Benzene	6.7J	ug/L	10.0	06/02/16 13:39	
EPA 8260	Chloroethane	903	ug/L	10.0	06/02/16 13:39	
EPA 8260	Toluene	113	ug/L	10.0	06/02/16 13:39	
EPA 8260	o-Xylene	5.3J	ug/L	10.0	06/02/16 13:39	
EPA 8260	trans-1,2-Dichloroethene	60.9	ug/L	10.0	06/02/16 13:39	
40132990005	W-17B					
EPA 8260	1,1-Dichloroethane	0.51J	ug/L	1.0	06/02/16 15:55	
EPA 8260	Trichloroethene	0.77J	ug/L	1.0	06/02/16 15:55	
EPA 8260	cis-1,2-Dichloroethene	0.39J	ug/L	1.0	06/02/16 15:55	
40132990006	W-18					
EPA 8260	Dichlorodifluoromethane	1.6	ug/L	1.0	06/02/16 16:17	
40132990007	W-18A					
EPA 8260	1,1-Dichloroethane	6.5	ug/L	1.0	06/06/16 09:09	
EPA 8260	1,2,4-Trimethylbenzene	8.6	ug/L	1.0	06/06/16 09:09	
EPA 8260	1,2-Dichlorobenzene	0.56J	ug/L	1.0	06/06/16 09:09	
EPA 8260	1,2-Dichloroethane	0.80J	ug/L	1.0	06/06/16 09:09	
EPA 8260	1,2-Dichloropropane	0.38J	ug/L	1.0	06/06/16 09:09	
EPA 8260	1,3,5-Trimethylbenzene	1.4	ug/L	1.0	06/06/16 09:09	
EPA 8260	Benzene	1.7	ug/L	1.0	06/06/16 09:09	
EPA 8260	Chloroethane	10.6	ug/L	1.0	06/06/16 09:09	
EPA 8260	Ethylbenzene	118	ug/L	1.0	06/06/16 09:09	
EPA 8260	Isopropylbenzene (Cumene)	1.2	ug/L	1.0	06/06/16 09:09	
EPA 8260	Methylene Chloride	0.73J	ug/L	1.0	06/06/16 09:09	
EPA 8260	Toluene	4.5	ug/L	1.0	06/06/16 09:09	
EPA 8260	Vinyl chloride	1.0J	ug/L	1.0	06/06/16 09:09	
EPA 8260	cis-1,2-Dichloroethene	0.66J	ug/L	1.0	06/06/16 09:09	
EPA 8260	m&p-Xylene	272	ug/L	2.0	06/06/16 09:09	
EPA 8260	n-Propylbenzene	0.79J	ug/L	1.0	06/06/16 09:09	
EPA 8260	o-Xylene	65.0	ug/L	1.0	06/06/16 09:09	
EPA 8260	trans-1,2-Dichloroethene	1.2	ug/L	1.0	06/06/16 09:09	
40132990008	W-18A DUP					
EPA 8260	1,1-Dichloroethane	8.7	ug/L	2.5	06/03/16 16:54	
EPA 8260	1,2,4-Trimethylbenzene	11.5	ug/L	2.5	06/03/16 16:54	
EPA 8260	1,2-Dichloroethane	1.4J	ug/L	2.5	06/03/16 16:54	
EPA 8260	1,3,5-Trimethylbenzene	2.6	ug/L	2.5	06/03/16 16:54	
EPA 8260	Benzene	3.2	ug/L	2.5	06/03/16 16:54	
EPA 8260	Chloroethane	17.7	ug/L	2.5	06/03/16 16:54	
EPA 8260	Ethylbenzene	225	ug/L	2.5	06/03/16 16:54	
EPA 8260	Isopropylbenzene (Cumene)	2.0J	ug/L	2.5	06/03/16 16:54	
EPA 8260	Methylene Chloride	0.95J	ug/L	2.5	06/03/16 16:54	
EPA 8260	Toluene	7.6	ug/L	2.5	06/03/16 16:54	
EPA 8260	Vinyl chloride	1.2J	ug/L	2.5	06/03/16 16:54	
EPA 8260	cis-1,2-Dichloroethene	0.82J	ug/L	2.5	06/03/16 16:54	
EPA 8260	m&p-Xylene	572	ug/L	5.0	06/03/16 16:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40132990

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132990008	W-18A DUP					
EPA 8260	n-Propylbenzene	1.3J	ug/L	2.5	06/03/16 16:54	
EPA 8260	o-Xylene	140	ug/L	2.5	06/03/16 16:54	
EPA 8260	trans-1,2-Dichloroethene	1.3J	ug/L	2.5	06/03/16 16:54	
40132990009	W-19R					
EPA 8260	1,2-Dichloroethane	115	ug/L	100	06/03/16 17:16	
EPA 8260	2-Butanone (MEK)	878J	ug/L	2000	06/03/16 17:16	
EPA 8260	2-Propanol	3320J	ug/L	25000	06/03/16 17:16	
EPA 8260	4-Methyl-2-pentanone (MIBK)	7410	ug/L	500	06/03/16 17:16	
EPA 8260	Acetone	2940	ug/L	2000	06/03/16 17:16	
EPA 8260	Benzene	104	ug/L	100	06/03/16 17:16	
EPA 8260	Chloroethane	313	ug/L	100	06/03/16 17:16	
EPA 8260	Diisopropyl ether	69.8J	ug/L	100	06/03/16 17:16	
EPA 8260	Ethylbenzene	112	ug/L	100	06/03/16 17:16	
EPA 8260	Toluene	9790	ug/L	100	06/03/16 17:16	
EPA 8260	m&p-Xylene	218	ug/L	200	06/03/16 17:16	
EPA 8260	o-Xylene	101	ug/L	100	06/03/16 17:16	
40132990010	W-22					
EPA 8260	1,1-Dichloroethane	19.5	ug/L	1.0	06/03/16 13:28	
EPA 8260	1,1-Dichloroethene	6.7	ug/L	1.0	06/03/16 13:28	
EPA 8260	1,2-Dichloroethane	0.43J	ug/L	1.0	06/03/16 13:28	
EPA 8260	1,2-Dichloropropane	0.48J	ug/L	1.0	06/03/16 13:28	
EPA 8260	Chloroethane	2.2	ug/L	1.0	06/03/16 13:28	
EPA 8260	Ethylbenzene	1.7	ug/L	1.0	06/03/16 13:28	
EPA 8260	Tetrachloroethene	0.67J	ug/L	1.0	06/03/16 13:28	
EPA 8260	Toluene	4.0	ug/L	1.0	06/03/16 13:28	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	06/03/16 13:28	
EPA 8260	Vinyl chloride	50.1	ug/L	1.0	06/03/16 13:28	
EPA 8260	cis-1,2-Dichloroethene	56.5	ug/L	1.0	06/03/16 13:28	
EPA 8260	m&p-Xylene	2.3	ug/L	2.0	06/03/16 13:28	
EPA 8260	o-Xylene	5.2	ug/L	1.0	06/03/16 13:28	
EPA 8260	trans-1,2-Dichloroethene	2.4	ug/L	1.0	06/03/16 13:28	
40132990011	W-27					
EPA 8260	1,1-Dichloroethane	2.5	ug/L	1.0	06/03/16 11:35	
EPA 8260	1,1-Dichloroethene	0.78J	ug/L	1.0	06/03/16 11:35	
EPA 8260	Dichlorodifluoromethane	2.8	ug/L	1.0	06/03/16 11:35	
EPA 8260	Trichloroethene	5.2	ug/L	1.0	06/03/16 11:35	
EPA 8260	Vinyl chloride	2.1	ug/L	1.0	06/03/16 11:35	
EPA 8260	cis-1,2-Dichloroethene	5.5	ug/L	1.0	06/03/16 11:35	
40132990016	MW-111					
EPA 8260	Acetone	9.6J	ug/L	20.0	06/03/16 11:58	
40132990017	MW-111A					
EPA 8260	1,1-Dichloroethane	10	ug/L	1.0	06/03/16 15:24	
EPA 8260	1,2-Dichloroethane	21.8	ug/L	1.0	06/03/16 15:24	
EPA 8260	1,2-Dichloropropane	2.5	ug/L	1.0	06/03/16 15:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132990017	MW-111A					
EPA 8260	Benzene	2.2	ug/L	1.0	06/03/16 15:24	
EPA 8260	Chloroethane	259	ug/L	1.0	06/03/16 15:24	
EPA 8260	Diisopropyl ether	1.8	ug/L	1.0	06/03/16 15:24	
EPA 8260	Toluene	18.3	ug/L	1.0	06/03/16 15:24	
EPA 8260	Vinyl chloride	0.52J	ug/L	1.0	06/03/16 15:24	
EPA 8260	cis-1,2-Dichloroethene	0.54J	ug/L	1.0	06/03/16 15:24	
EPA 8260	trans-1,2-Dichloroethene	1.5	ug/L	1.0	06/03/16 15:24	
40132990018	MW-111B					
EPA 8260	1,1-Dichloroethane	10.3	ug/L	1.0	06/03/16 15:46	
EPA 8260	1,2-Dichloroethane	4.3	ug/L	1.0	06/03/16 15:46	
EPA 8260	1,2-Dichloropropane	0.92J	ug/L	1.0	06/03/16 15:46	
EPA 8260	Chloroethane	43.7	ug/L	1.0	06/03/16 15:46	
EPA 8260	Diisopropyl ether	1.4	ug/L	1.0	06/03/16 15:46	
EPA 8260	Toluene	1.2	ug/L	1.0	06/03/16 15:46	
EPA 8260	Vinyl chloride	4.2	ug/L	1.0	06/03/16 15:46	
EPA 8260	cis-1,2-Dichloroethene	2.8	ug/L	1.0	06/03/16 15:46	
EPA 8260	trans-1,2-Dichloroethene	1.2	ug/L	1.0	06/03/16 15:46	
40132990019	MW-112					
EPA 8260	Acetone	3.5J	ug/L	20.0	06/03/16 16:09	
40132990022	MW-114					
EPA 8260	1,1-Dichloroethane	0.76J	ug/L	1.0	06/03/16 12:20	
EPA 8260	Dichlorodifluoromethane	5.2	ug/L	1.0	06/03/16 12:20	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	06/03/16 12:20	
EPA 8260	cis-1,2-Dichloroethene	1.2	ug/L	1.0	06/03/16 12:20	
40132990023	MW-114A					
EPA 8260	1,1-Dichloroethane	2.1	ug/L	1.0	06/03/16 11:12	
EPA 8260	1,2-Dichloroethane	0.28J	ug/L	1.0	06/03/16 11:12	
EPA 8260	Dichlorodifluoromethane	0.28J	ug/L	1.0	06/03/16 11:12	
EPA 8260	Tetrachloroethene	13.4	ug/L	1.0	06/03/16 11:12	
EPA 8260	Trichloroethene	4.2	ug/L	1.0	06/03/16 11:12	
EPA 8260	Vinyl chloride	0.23J	ug/L	1.0	06/03/16 11:12	
EPA 8260	cis-1,2-Dichloroethene	0.43J	ug/L	1.0	06/03/16 11:12	
40132990025	MW-115					
EPA 8260	1,1-Dichloroethane	64.3	ug/L	10.0	06/03/16 17:39	
EPA 8260	1,1-Dichloroethene	8.4J	ug/L	10.0	06/03/16 17:39	
EPA 8260	1,2-Dichloroethane	83.0	ug/L	10.0	06/03/16 17:39	
EPA 8260	1,2-Dichloropropane	5.5J	ug/L	10.0	06/03/16 17:39	
EPA 8260	4-Methyl-2-pentanone (MIBK)	30.5J	ug/L	50.0	06/03/16 17:39	
EPA 8260	Benzene	8.6J	ug/L	10.0	06/03/16 17:39	
EPA 8260	Chloroethane	1100	ug/L	10.0	06/03/16 17:39	
EPA 8260	Methylene Chloride	3.1J	ug/L	10.0	06/03/16 17:39	
EPA 8260	Toluene	101	ug/L	10.0	06/03/16 17:39	
EPA 8260	Vinyl chloride	32.1	ug/L	10.0	06/03/16 17:39	
EPA 8260	cis-1,2-Dichloroethene	21.9	ug/L	10.0	06/03/16 17:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132990025	MW-115					
EPA 8260	trans-1,2-Dichloroethene	220	ug/L	10.0	06/03/16 17:39	
40132990026	MW-115A					
EPA 8260	1,1,2-Trichloroethane	5.5	ug/L	5.0	06/06/16 09:32	
EPA 8260	1,1-Dichloroethane	132	ug/L	5.0	06/06/16 09:32	
EPA 8260	1,1-Dichloroethene	68.2	ug/L	5.0	06/06/16 09:32	
EPA 8260	1,2-Dichloroethane	3.3J	ug/L	5.0	06/06/16 09:32	
EPA 8260	1,2-Dichloropropane	4.3J	ug/L	5.0	06/06/16 09:32	
EPA 8260	Ethylbenzene	<2.5	ug/L	5.0	06/06/16 09:32	
EPA 8260	Trichloroethene	95.8	ug/L	5.0	06/06/16 09:32	
EPA 8260	Vinyl chloride	4.9J	ug/L	5.0	06/06/16 09:32	
EPA 8260	cis-1,2-Dichloroethene	643	ug/L	5.0	06/06/16 09:32	
EPA 8260	trans-1,2-Dichloroethene	24.0	ug/L	5.0	06/06/16 09:32	
40132990027	MW-115B					
EPA 8260	1,1-Dichloroethane	0.57J	ug/L	1.0	06/01/16 09:15	
EPA 8260	1,1-Dichloroethene	<0.41	ug/L	1.0	06/01/16 09:15	
EPA 8260	Chloroethane	0.72J	ug/L	1.0	06/01/16 09:15	
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/01/16 09:15	
EPA 8260	cis-1,2-Dichloroethene	2.3	ug/L	1.0	06/01/16 09:15	
EPA 8260	trans-1,2-Dichloroethene	0.66J	ug/L	1.0	06/01/16 09:15	
40132990029	TRIP BLANK					
EPA 8260	Methylene Chloride	0.31J	ug/L	1.0	06/01/16 12:38	
40132990031	W-20					
EPA 8260	1,1,1-Trichloroethane	0.80J	ug/L	1.0	06/01/16 11:30	
EPA 8260	1,1,2-Trichloroethane	0.40J	ug/L	1.0	06/01/16 11:30	
EPA 8260	1,1-Dichloroethane	20.3	ug/L	1.0	06/01/16 11:30	
EPA 8260	1,2-Dichloroethane	1.4	ug/L	1.0	06/01/16 11:30	
EPA 8260	Chloroethane	1.2	ug/L	1.0	06/01/16 11:30	
EPA 8260	Ethylbenzene	13.2	ug/L	1.0	06/01/16 11:30	
EPA 8260	Tetrachloroethene	2.5	ug/L	1.0	06/01/16 11:30	
EPA 8260	Trichloroethene	8.9	ug/L	1.0	06/01/16 11:30	
EPA 8260	Vinyl chloride	3.9	ug/L	1.0	06/01/16 11:30	
EPA 8260	cis-1,2-Dichloroethene	13.0	ug/L	1.0	06/01/16 11:30	
EPA 8260	m&p-Xylene	2.5	ug/L	2.0	06/01/16 11:30	
EPA 8260	trans-1,2-Dichloroethene	5.7	ug/L	1.0	06/01/16 11:30	
40132990032	W-26					
EPA 8260	1,1-Dichloroethane	1.5	ug/L	1.0	06/01/16 12:15	
EPA 8260	Trichloroethene	19.6	ug/L	1.0	06/01/16 12:15	
EPA 8260	Vinyl chloride	2.6	ug/L	1.0	06/01/16 12:15	
EPA 8260	cis-1,2-Dichloroethene	8.3	ug/L	1.0	06/01/16 12:15	
EPA 8260	trans-1,2-Dichloroethene	2.2	ug/L	1.0	06/01/16 12:15	
40132990036	RW-7					
EPA 8260	1,1-Dichloroethane	39.9	ug/L	5.0	06/01/16 09:38	
EPA 8260	1,2,4-Trimethylbenzene	3.5J	ug/L	5.0	06/01/16 09:38	
EPA 8260	Benzene	10.8	ug/L	5.0	06/01/16 09:38	

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40132990036	RW-7					
EPA 8260	Chloroethane	73.4	ug/L	5.0	06/01/16 09:38	
EPA 8260	Diisopropyl ether	3.6J	ug/L	5.0	06/01/16 09:38	
EPA 8260	Ethylbenzene	262	ug/L	5.0	06/01/16 09:38	
EPA 8260	Isopropylbenzene (Cumene)	1.6J	ug/L	5.0	06/01/16 09:38	
EPA 8260	Toluene	65.7	ug/L	5.0	06/01/16 09:38	
EPA 8260	Trichloroethene	3.2J	ug/L	5.0	06/01/16 09:38	
EPA 8260	Vinyl chloride	8.3	ug/L	5.0	06/01/16 09:38	
EPA 8260	cis-1,2-Dichloroethene	7.9	ug/L	5.0	06/01/16 09:38	
EPA 8260	m&p-Xylene	348	ug/L	10.0	06/01/16 09:38	
EPA 8260	o-Xylene	85.3	ug/L	5.0	06/01/16 09:38	
EPA 8260	trans-1,2-Dichloroethene	2.3J	ug/L	5.0	06/01/16 09:38	
40132990037	RW-6					
EPA 8260	1,1-Dichloroethane	54.6J	ug/L	100	06/01/16 10:00	
EPA 8260	2-Butanone (MEK)	533J	ug/L	2000	06/01/16 10:00	
EPA 8260	2-Propanol	3910J	ug/L	25000	06/01/16 10:00	
EPA 8260	4-Methyl-2-pentanone (MIBK)	1030	ug/L	500	06/01/16 10:00	
EPA 8260	Acetone	3740	ug/L	2000	06/01/16 10:00	
EPA 8260	Chloroethane	273	ug/L	100	06/01/16 10:00	
EPA 8260	Ethylbenzene	978	ug/L	100	06/01/16 10:00	
EPA 8260	Toluene	11100	ug/L	100	06/01/16 10:00	
EPA 8260	Vinyl chloride	43.3J	ug/L	100	06/01/16 10:00	
EPA 8260	cis-1,2-Dichloroethene	39.3J	ug/L	100	06/01/16 10:00	
EPA 8260	m&p-Xylene	2450	ug/L	200	06/01/16 10:00	
EPA 8260	o-Xylene	647	ug/L	100	06/01/16 10:00	
40132990038	FIELD METHOD BLANK					
EPA 8260	Chloroethane	0.46J	ug/L	1.0	06/01/16 13:23	
EPA 8260	Toluene	0.58J	ug/L	1.0	06/01/16 13:23	
EPA 8260	Trichloroethene	0.57J	ug/L	1.0	06/01/16 13:23	
EPA 8260	cis-1,2-Dichloroethene	1.0	ug/L	1.0	06/01/16 13:23	
EPA 8260	trans-1,2-Dichloroethene	0.39J	ug/L	1.0	06/01/16 13:23	
40132990039	S2N					
EPA 8260	1,1-Dichloroethane	6.5	ug/L	1.0	06/06/16 15:34	
EPA 8260	1,2-Dichloroethane	2.0	ug/L	1.0	06/06/16 15:34	
EPA 8260	1,2-Dichloropropane	0.26J	ug/L	1.0	06/06/16 15:34	
EPA 8260	Acetone	3.3J	ug/L	20.0	06/06/16 15:34	
EPA 8260	Benzene	0.54J	ug/L	1.0	06/06/16 15:34	
EPA 8260	Chloroethane	11.7	ug/L	1.0	06/06/16 15:34	
EPA 8260	Diisopropyl ether	0.57J	ug/L	1.0	06/06/16 15:34	
EPA 8260	Methylene Chloride	0.25J	ug/L	1.0	06/06/16 15:34	
EPA 8260	Toluene	1.2	ug/L	1.0	06/06/16 15:34	
EPA 8260	Vinyl chloride	0.49J	ug/L	1.0	06/06/16 15:34	
EPA 8260	cis-1,2-Dichloroethene	0.86J	ug/L	1.0	06/06/16 15:34	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-3 **Lab ID: 40132990001** Collected: 05/24/16 16:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 14:47	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 14:47	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 14:47	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 14:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 14:47	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 14:47	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 14:47	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 14:47	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 14:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 14:47	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 14:47	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 14:47	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 14:47	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 14:47	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 14:47	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 14:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 14:47	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 14:47	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 14:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 14:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 14:47	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 14:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 14:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 14:47	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 14:47	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 14:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 14:47	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 14:47	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-3 **Lab ID: 40132990001** Collected: 05/24/16 16:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 14:47	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 14:47	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 14:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 14:47	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 14:47	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 14:47	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 14:47	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 14:47	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 14:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 14:47	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 14:47	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 14:47	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		06/02/16 14:47	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/02/16 14:47	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/02/16 14:47	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-4 **Lab ID: 40132990002** Collected: 05/24/16 15:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:10	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 15:10	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 15:10	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 15:10	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 15:10	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 15:10	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:10	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:10	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 15:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 15:10	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 15:10	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 15:10	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 15:10	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 15:10	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 15:10	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 15:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 15:10	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 15:10	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 15:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 15:10	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 15:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 15:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 15:10	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 15:10	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 15:10	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 15:10	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-4 **Lab ID: 40132990002** Collected: 05/24/16 15:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 15:10	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 15:10	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 15:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:10	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 15:10	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 15:10	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 15:10	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:10	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 15:10	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 15:10	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:10	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		06/02/16 15:10	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/02/16 15:10	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		06/02/16 15:10	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17 **Lab ID: 40132990003** Collected: 05/24/16 10:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:32	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 15:32	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 15:32	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 15:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 15:32	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 15:32	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:32	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:32	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 15:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 15:32	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 15:32	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 15:32	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 15:32	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 15:32	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 15:32	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 15:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 15:32	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 15:32	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 15:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 15:32	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 15:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 15:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 15:32	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 15:32	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 15:32	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 15:32	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17 **Lab ID: 40132990003** Collected: 05/24/16 10:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 15:32	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 15:32	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 15:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:32	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 15:32	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 15:32	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 15:32	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:32	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 15:32	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 15:32	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:32	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		06/02/16 15:32	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/02/16 15:32	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/02/16 15:32	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17A **Lab ID: 40132990004** Collected: 05/24/16 10:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/02/16 13:39	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/02/16 13:39	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/02/16 13:39	79-00-5	
1,1-Dichloroethane	39.1	ug/L	10.0	2.4	10		06/02/16 13:39	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/02/16 13:39	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/02/16 13:39	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/02/16 13:39	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/02/16 13:39	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/02/16 13:39	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/02/16 13:39	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/02/16 13:39	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/02/16 13:39	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/02/16 13:39	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		06/02/16 13:39	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		06/02/16 13:39	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/02/16 13:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		06/02/16 13:39	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		06/02/16 13:39	67-64-1	
Benzene	6.7J	ug/L	10.0	5.0	10		06/02/16 13:39	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/02/16 13:39	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/02/16 13:39	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/02/16 13:39	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	108-90-7	
Chloroethane	903	ug/L	10.0	3.7	10		06/02/16 13:39	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/02/16 13:39	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/02/16 13:39	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/02/16 13:39	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/02/16 13:39	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/02/16 13:39	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/02/16 13:39	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17A **Lab ID: 40132990004** Collected: 05/24/16 10:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/02/16 13:39	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/02/16 13:39	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	127-18-4	
Toluene	113	ug/L	10.0	5.0	10		06/02/16 13:39	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/02/16 13:39	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/02/16 13:39	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/02/16 13:39	75-01-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/02/16 13:39	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/02/16 13:39	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	103-65-1	
o-Xylene	5.3J	ug/L	10.0	5.0	10		06/02/16 13:39	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/02/16 13:39	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/02/16 13:39	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/02/16 13:39	98-06-6	
trans-1,2-Dichloroethene	60.9	ug/L	10.0	2.6	10		06/02/16 13:39	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/02/16 13:39	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		10		06/02/16 13:39	1868-53-7	
Toluene-d8 (S)	105	%	70-130		10		06/02/16 13:39	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		10		06/02/16 13:39	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17B **Lab ID: 40132990005** Collected: 05/24/16 10:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:55	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 15:55	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 15:55	79-00-5	
1,1-Dichloroethane	0.51J	ug/L	1.0	0.24	1		06/02/16 15:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 15:55	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 15:55	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:55	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:55	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 15:55	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 15:55	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 15:55	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 15:55	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 15:55	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 15:55	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 15:55	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 15:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 15:55	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 15:55	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 15:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 15:55	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 15:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 15:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 15:55	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 15:55	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 15:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 15:55	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 15:55	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-17B **Lab ID: 40132990005** Collected: 05/24/16 10:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 15:55	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 15:55	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	108-88-3	
Trichloroethene	0.77J	ug/L	1.0	0.33	1		06/02/16 15:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 15:55	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 15:55	75-01-4	
cis-1,2-Dichloroethene	0.39J	ug/L	1.0	0.26	1		06/02/16 15:55	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 15:55	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 15:55	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 15:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 15:55	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 15:55	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 15:55	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/02/16 15:55	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/02/16 15:55	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/02/16 15:55	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-18 **Lab ID: 40132990006** Collected: 05/24/16 13:25 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 16:17	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 16:17	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 16:17	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 16:17	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 16:17	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 16:17	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 16:17	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 16:17	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 16:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 16:17	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 16:17	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 16:17	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 16:17	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 16:17	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 16:17	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 16:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 16:17	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 16:17	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 16:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 16:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 16:17	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 16:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 16:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 16:17	74-95-3	
Dichlorodifluoromethane	1.6	ug/L	1.0	0.22	1		06/02/16 16:17	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 16:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 16:17	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 16:17	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-18 **Lab ID: 40132990006** Collected: 05/24/16 13:25 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 16:17	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 16:17	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 16:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 16:17	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 16:17	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 16:17	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 16:17	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 16:17	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 16:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 16:17	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 16:17	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 16:17	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/02/16 16:17	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/02/16 16:17	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/02/16 16:17	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-18A **Lab ID: 40132990007** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 09:09	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 09:09	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 09:09	79-00-5	
1,1-Dichloroethane	6.5	ug/L	1.0	0.24	1		06/06/16 09:09	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 09:09	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 09:09	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 09:09	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 09:09	120-82-1	
1,2,4-Trimethylbenzene	8.6	ug/L	1.0	0.50	1		06/06/16 09:09	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 09:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 09:09	106-93-4	
1,2-Dichlorobenzene	0.56J	ug/L	1.0	0.50	1		06/06/16 09:09	95-50-1	
1,2-Dichloroethane	0.80J	ug/L	1.0	0.17	1		06/06/16 09:09	107-06-2	
1,2-Dichloropropane	0.38J	ug/L	1.0	0.23	1		06/06/16 09:09	78-87-5	
1,3,5-Trimethylbenzene	1.4	ug/L	1.0	0.50	1		06/06/16 09:09	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 09:09	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 09:09	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 09:09	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 09:09	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 09:09	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/06/16 09:09	67-64-1	
Benzene	1.7	ug/L	1.0	0.50	1		06/06/16 09:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 09:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 09:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 09:09	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	108-90-7	
Chloroethane	10.6	ug/L	1.0	0.37	1		06/06/16 09:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 09:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 09:09	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 09:09	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	108-20-3	
Ethylbenzene	118	ug/L	1.0	0.50	1		06/06/16 09:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 09:09	87-68-3	
Isopropylbenzene (Cumene)	1.2	ug/L	1.0	0.14	1		06/06/16 09:09	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 09:09	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-18A **Lab ID: 40132990007** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.73J	ug/L	1.0	0.23	1		06/06/16 09:09	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 09:09	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	127-18-4	
Toluene	4.5	ug/L	1.0	0.50	1		06/06/16 09:09	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 09:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 09:09	75-69-4	
Vinyl chloride	1.0J	ug/L	1.0	0.18	1		06/06/16 09:09	75-01-4	
cis-1,2-Dichloroethene	0.66J	ug/L	1.0	0.26	1		06/06/16 09:09	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	10061-01-5	
m&p-Xylene	272	ug/L	2.0	1.0	1		06/06/16 09:09	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	104-51-8	
n-Propylbenzene	0.79J	ug/L	1.0	0.50	1		06/06/16 09:09	103-65-1	
o-Xylene	65.0	ug/L	1.0	0.50	1		06/06/16 09:09	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 09:09	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 09:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 09:09	98-06-6	
trans-1,2-Dichloroethene	1.2	ug/L	1.0	0.26	1		06/06/16 09:09	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 09:09	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		06/06/16 09:09	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/06/16 09:09	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		06/06/16 09:09	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: **W-18A DUP** Lab ID: **40132990008** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		06/03/16 16:54	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		06/03/16 16:54	79-34-5	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		06/03/16 16:54	79-00-5	
1,1-Dichloroethane	8.7	ug/L	2.5	0.60	2.5		06/03/16 16:54	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		06/03/16 16:54	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		06/03/16 16:54	563-58-6	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		06/03/16 16:54	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	96-18-4	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		06/03/16 16:54	120-82-1	
1,2,4-Trimethylbenzene	11.5	ug/L	2.5	1.2	2.5		06/03/16 16:54	95-63-6	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		06/03/16 16:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		06/03/16 16:54	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	95-50-1	
1,2-Dichloroethane	1.4J	ug/L	2.5	0.42	2.5		06/03/16 16:54	107-06-2	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		06/03/16 16:54	78-87-5	
1,3,5-Trimethylbenzene	2.6	ug/L	2.5	1.2	2.5		06/03/16 16:54	108-67-8	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	541-73-1	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	142-28-9	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	106-46-7	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	594-20-7	
2-Butanone (MEK)	<7.4	ug/L	50.0	7.4	2.5		06/03/16 16:54	78-93-3	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	95-49-8	
2-Propanol	<60.9	ug/L	625	60.9	2.5		06/03/16 16:54	67-63-0	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		06/03/16 16:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.4	ug/L	12.5	5.4	2.5		06/03/16 16:54	108-10-1	
Acetone	<7.4	ug/L	50.0	7.4	2.5		06/03/16 16:54	67-64-1	
Benzene	3.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		06/03/16 16:54	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		06/03/16 16:54	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		06/03/16 16:54	74-83-9	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	108-90-7	
Chloroethane	17.7	ug/L	2.5	0.94	2.5		06/03/16 16:54	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		06/03/16 16:54	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	74-87-3	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	124-48-1	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		06/03/16 16:54	74-95-3	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		06/03/16 16:54	75-71-8	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	108-20-3	
Ethylbenzene	225	ug/L	2.5	1.2	2.5		06/03/16 16:54	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		06/03/16 16:54	87-68-3	
Isopropylbenzene (Cumene)	2.0J	ug/L	2.5	0.36	2.5		06/03/16 16:54	98-82-8	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		06/03/16 16:54	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-18A DUP **Lab ID: 40132990008** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.95J	ug/L	2.5	0.58	2.5		06/03/16 16:54	75-09-2	
Naphthalene	<6.2	ug/L	12.5	6.2	2.5		06/03/16 16:54	91-20-3	
Styrene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	100-42-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	127-18-4	
Toluene	7.6	ug/L	2.5	1.2	2.5		06/03/16 16:54	108-88-3	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		06/03/16 16:54	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		06/03/16 16:54	75-69-4	
Vinyl chloride	1.2J	ug/L	2.5	0.44	2.5		06/03/16 16:54	75-01-4	
cis-1,2-Dichloroethene	0.82J	ug/L	2.5	0.64	2.5		06/03/16 16:54	156-59-2	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	10061-01-5	
m&p-Xylene	572	ug/L	5.0	2.5	2.5		06/03/16 16:54	179601-23-1	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	104-51-8	
n-Propylbenzene	1.3J	ug/L	2.5	1.2	2.5		06/03/16 16:54	103-65-1	
o-Xylene	140	ug/L	2.5	1.2	2.5		06/03/16 16:54	95-47-6	
p-Isopropyltoluene	<1.2	ug/L	2.5	1.2	2.5		06/03/16 16:54	99-87-6	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		06/03/16 16:54	135-98-8	
tert-Butylbenzene	<0.45	ug/L	2.5	0.45	2.5		06/03/16 16:54	98-06-6	
trans-1,2-Dichloroethene	1.3J	ug/L	2.5	0.64	2.5		06/03/16 16:54	156-60-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		06/03/16 16:54	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		2.5		06/03/16 16:54	1868-53-7	
Toluene-d8 (S)	107	%	70-130		2.5		06/03/16 16:54	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		2.5		06/03/16 16:54	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-19R **Lab ID: 40132990009** Collected: 05/24/16 14:20 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		06/03/16 17:16	630-20-6	
1,1,1-Trichloroethane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		06/03/16 17:16	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/L	100	19.7	100		06/03/16 17:16	79-00-5	
1,1-Dichloroethane	<24.2	ug/L	100	24.2	100		06/03/16 17:16	75-34-3	
1,1-Dichloroethene	<41.0	ug/L	100	41.0	100		06/03/16 17:16	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		06/03/16 17:16	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		06/03/16 17:16	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		06/03/16 17:16	120-82-1	
1,2,4-Trimethylbenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		06/03/16 17:16	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		06/03/16 17:16	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	95-50-1	
1,2-Dichloroethane	115	ug/L	100	16.8	100		06/03/16 17:16	107-06-2	
1,2-Dichloropropane	<23.3	ug/L	100	23.3	100		06/03/16 17:16	78-87-5	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		06/03/16 17:16	594-20-7	
2-Butanone (MEK)	878J	ug/L	2000	298	100		06/03/16 17:16	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	95-49-8	
2-Propanol	3320J	ug/L	25000	2430	100		06/03/16 17:16	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		06/03/16 17:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	7410	ug/L	500	214	100		06/03/16 17:16	108-10-1	
Acetone	2940	ug/L	2000	295	100		06/03/16 17:16	67-64-1	
Benzene	104	ug/L	100	50.0	100		06/03/16 17:16	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		06/03/16 17:16	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		06/03/16 17:16	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		06/03/16 17:16	75-25-2	
Bromomethane	<243	ug/L	500	243	100		06/03/16 17:16	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		06/03/16 17:16	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	108-90-7	
Chloroethane	313	ug/L	100	37.5	100		06/03/16 17:16	75-00-3	
Chloroform	<250	ug/L	500	250	100		06/03/16 17:16	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		06/03/16 17:16	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		06/03/16 17:16	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		06/03/16 17:16	75-71-8	
Diisopropyl ether	69.8J	ug/L	100	50.0	100		06/03/16 17:16	108-20-3	
Ethylbenzene	112	ug/L	100	50.0	100		06/03/16 17:16	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		06/03/16 17:16	87-68-3	
Isopropylbenzene (Cumene)	<14.3	ug/L	100	14.3	100		06/03/16 17:16	98-82-8	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		06/03/16 17:16	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-19R **Lab ID: 40132990009** Collected: 05/24/16 14:20 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<23.3	ug/L	100	23.3	100		06/03/16 17:16	75-09-2	
Naphthalene	<250	ug/L	500	250	100		06/03/16 17:16	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	100-42-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	127-18-4	
Toluene	9790	ug/L	100	50.0	100		06/03/16 17:16	108-88-3	
Trichloroethene	<33.1	ug/L	100	33.1	100		06/03/16 17:16	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		06/03/16 17:16	75-69-4	
Vinyl chloride	<17.6	ug/L	100	17.6	100		06/03/16 17:16	75-01-4	
cis-1,2-Dichloroethene	<25.6	ug/L	100	25.6	100		06/03/16 17:16	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	10061-01-5	
m&p-Xylene	218	ug/L	200	100	100		06/03/16 17:16	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	103-65-1	
o-Xylene	101	ug/L	100	50.0	100		06/03/16 17:16	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		06/03/16 17:16	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		06/03/16 17:16	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		06/03/16 17:16	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		06/03/16 17:16	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		06/03/16 17:16	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		100		06/03/16 17:16	1868-53-7	
Toluene-d8 (S)	108	%	70-130		100		06/03/16 17:16	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		100		06/03/16 17:16	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-22 **Lab ID: 40132990010** Collected: 05/24/16 12:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 13:28	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 13:28	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 13:28	79-00-5	
1,1-Dichloroethane	19.5	ug/L	1.0	0.24	1		06/03/16 13:28	75-34-3	
1,1-Dichloroethene	6.7	ug/L	1.0	0.41	1		06/03/16 13:28	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 13:28	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 13:28	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 13:28	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 13:28	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 13:28	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	95-50-1	
1,2-Dichloroethane	0.43J	ug/L	1.0	0.17	1		06/03/16 13:28	107-06-2	
1,2-Dichloropropane	0.48J	ug/L	1.0	0.23	1		06/03/16 13:28	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 13:28	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 13:28	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 13:28	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 13:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 13:28	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 13:28	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 13:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 13:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 13:28	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	108-90-7	
Chloroethane	2.2	ug/L	1.0	0.37	1		06/03/16 13:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 13:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 13:28	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 13:28	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	108-20-3	
Ethylbenzene	1.7	ug/L	1.0	0.50	1		06/03/16 13:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 13:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 13:28	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 13:28	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-22 **Lab ID: 40132990010** Collected: 05/24/16 12:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 13:28	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 13:28	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	100-42-5	
Tetrachloroethene	0.67J	ug/L	1.0	0.50	1		06/03/16 13:28	127-18-4	
Toluene	4.0	ug/L	1.0	0.50	1		06/03/16 13:28	108-88-3	
Trichloroethene	3.6	ug/L	1.0	0.33	1		06/03/16 13:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 13:28	75-69-4	
Vinyl chloride	50.1	ug/L	1.0	0.18	1		06/03/16 13:28	75-01-4	
cis-1,2-Dichloroethene	56.5	ug/L	1.0	0.26	1		06/03/16 13:28	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	10061-01-5	
m&p-Xylene	2.3	ug/L	2.0	1.0	1		06/03/16 13:28	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	103-65-1	
o-Xylene	5.2	ug/L	1.0	0.50	1		06/03/16 13:28	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:28	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 13:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 13:28	98-06-6	
trans-1,2-Dichloroethene	2.4	ug/L	1.0	0.26	1		06/03/16 13:28	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 13:28	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		06/03/16 13:28	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		06/03/16 13:28	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/03/16 13:28	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-27 **Lab ID: 40132990011** Collected: 05/24/16 09:05 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:35	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 11:35	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 11:35	79-00-5	
1,1-Dichloroethane	2.5	ug/L	1.0	0.24	1		06/03/16 11:35	75-34-3	
1,1-Dichloroethene	0.78J	ug/L	1.0	0.41	1		06/03/16 11:35	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 11:35	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:35	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:35	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 11:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 11:35	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 11:35	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 11:35	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 11:35	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 11:35	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 11:35	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 11:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 11:35	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 11:35	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:35	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 11:35	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 11:35	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 11:35	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 11:35	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 11:35	74-95-3	
Dichlorodifluoromethane	2.8	ug/L	1.0	0.22	1		06/03/16 11:35	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:35	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 11:35	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 11:35	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-27 **Lab ID: 40132990011** Collected: 05/24/16 09:05 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 11:35	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 11:35	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	108-88-3	
Trichloroethene	5.2	ug/L	1.0	0.33	1		06/03/16 11:35	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:35	75-69-4	
Vinyl chloride	2.1	ug/L	1.0	0.18	1		06/03/16 11:35	75-01-4	
cis-1,2-Dichloroethene	5.5	ug/L	1.0	0.26	1		06/03/16 11:35	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 11:35	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:35	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:35	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 11:35	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 11:35	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:35	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		06/03/16 11:35	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/03/16 11:35	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		06/03/16 11:35	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-28 **Lab ID: 40132990012** Collected: 05/24/16 11:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 14:16	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 14:16	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 14:16	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 14:16	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 14:16	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 14:16	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 14:16	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 14:16	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 14:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 14:16	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 14:16	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 14:16	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 14:16	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 14:16	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 14:16	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 14:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 14:16	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 14:16	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 14:16	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 14:16	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 14:16	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 14:16	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 14:16	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 14:16	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 14:16	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 14:16	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 14:16	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 14:16	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-28 **Lab ID: 40132990012** Collected: 05/24/16 11:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 14:16	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 14:16	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 14:16	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 14:16	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 14:16	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 14:16	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 14:16	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:16	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 14:16	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 14:16	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 14:16	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 14:16	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		06/03/16 14:16	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 14:16	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/03/16 14:16	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-29 **Lab ID: 40132990013** Collected: 05/24/16 11:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 08:24	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 08:24	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 08:24	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/06/16 08:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 08:24	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 08:24	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 08:24	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 08:24	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 08:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 08:24	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/06/16 08:24	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/06/16 08:24	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 08:24	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 08:24	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 08:24	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 08:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 08:24	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/06/16 08:24	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 08:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 08:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 08:24	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/06/16 08:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 08:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 08:24	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 08:24	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 08:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/06/16 08:24	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 08:24	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-29 **Lab ID: 40132990013** Collected: 05/24/16 11:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/06/16 08:24	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 08:24	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 08:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 08:24	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/06/16 08:24	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 08:24	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/06/16 08:24	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:24	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 08:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 08:24	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 08:24	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 08:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		06/06/16 08:24	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/06/16 08:24	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/06/16 08:24	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-106 **Lab ID: 40132990014** Collected: 05/24/16 09:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 14:38	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 14:38	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 14:38	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 14:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 14:38	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 14:38	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 14:38	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 14:38	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 14:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 14:38	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 14:38	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 14:38	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 14:38	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 14:38	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 14:38	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 14:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 14:38	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 14:38	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 14:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 14:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 14:38	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 14:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 14:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 14:38	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 14:38	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 14:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 14:38	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 14:38	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-106 **Lab ID: 40132990014** Collected: 05/24/16 09:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 14:38	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 14:38	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 14:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 14:38	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 14:38	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 14:38	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 14:38	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 14:38	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 14:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 14:38	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 14:38	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 14:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/03/16 14:38	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 14:38	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		06/03/16 14:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-106A **Lab ID: 40132990015** Collected: 05/24/16 09:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:01	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 15:01	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 15:01	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 15:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 15:01	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 15:01	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:01	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:01	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 15:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 15:01	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 15:01	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 15:01	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 15:01	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 15:01	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 15:01	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 15:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 15:01	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 15:01	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 15:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 15:01	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 15:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 15:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 15:01	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 15:01	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 15:01	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 15:01	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-106A **Lab ID: 40132990015** Collected: 05/24/16 09:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 15:01	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 15:01	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 15:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:01	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 15:01	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 15:01	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 15:01	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:01	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 15:01	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 15:01	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:01	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		06/03/16 15:01	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		06/03/16 15:01	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/03/16 15:01	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111 **Lab ID: 40132990016** Collected: 05/24/16 09:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:58	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 11:58	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 11:58	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 11:58	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 11:58	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 11:58	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:58	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:58	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 11:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 11:58	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 11:58	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 11:58	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 11:58	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 11:58	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 11:58	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 11:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 11:58	108-10-1	
Acetone	9.6J	ug/L	20.0	3.0	1		06/03/16 11:58	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:58	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 11:58	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 11:58	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 11:58	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 11:58	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 11:58	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 11:58	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:58	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 11:58	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 11:58	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111 **Lab ID: 40132990016** Collected: 05/24/16 09:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 11:58	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 11:58	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 11:58	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:58	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 11:58	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 11:58	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 11:58	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:58	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:58	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 11:58	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 11:58	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:58	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		06/03/16 11:58	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 11:58	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/03/16 11:58	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111A **Lab ID: 40132990017** Collected: 05/24/16 08:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:24	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 15:24	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 15:24	79-00-5	
1,1-Dichloroethane	10	ug/L	1.0	0.24	1		06/03/16 15:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 15:24	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 15:24	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:24	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:24	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 15:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 15:24	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	95-50-1	
1,2-Dichloroethane	21.8	ug/L	1.0	0.17	1		06/03/16 15:24	107-06-2	
1,2-Dichloropropane	2.5	ug/L	1.0	0.23	1		06/03/16 15:24	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 15:24	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 15:24	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 15:24	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 15:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 15:24	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 15:24	67-64-1	
Benzene	2.2	ug/L	1.0	0.50	1		06/03/16 15:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 15:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 15:24	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	108-90-7	
Chloroethane	259	ug/L	1.0	0.37	1		06/03/16 15:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 15:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 15:24	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 15:24	75-71-8	
Diisopropyl ether	1.8	ug/L	1.0	0.50	1		06/03/16 15:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 15:24	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 15:24	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111A **Lab ID: 40132990017** Collected: 05/24/16 08:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 15:24	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 15:24	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	127-18-4	
Toluene	18.3	ug/L	1.0	0.50	1		06/03/16 15:24	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 15:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:24	75-69-4	
Vinyl chloride	0.52J	ug/L	1.0	0.18	1		06/03/16 15:24	75-01-4	
cis-1,2-Dichloroethene	0.54J	ug/L	1.0	0.26	1		06/03/16 15:24	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 15:24	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:24	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 15:24	98-06-6	
trans-1,2-Dichloroethene	1.5	ug/L	1.0	0.26	1		06/03/16 15:24	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		06/03/16 15:24	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 15:24	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/03/16 15:24	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111B **Lab ID: 40132990018** Collected: 05/24/16 09:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:46	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 15:46	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 15:46	79-00-5	
1,1-Dichloroethane	10.3	ug/L	1.0	0.24	1		06/03/16 15:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 15:46	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 15:46	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:46	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:46	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 15:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 15:46	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	95-50-1	
1,2-Dichloroethane	4.3	ug/L	1.0	0.17	1		06/03/16 15:46	107-06-2	
1,2-Dichloropropane	0.92J	ug/L	1.0	0.23	1		06/03/16 15:46	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 15:46	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 15:46	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 15:46	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 15:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 15:46	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 15:46	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 15:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 15:46	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	108-90-7	
Chloroethane	43.7	ug/L	1.0	0.37	1		06/03/16 15:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 15:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 15:46	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 15:46	75-71-8	
Diisopropyl ether	1.4	ug/L	1.0	0.50	1		06/03/16 15:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 15:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 15:46	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 15:46	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-111B **Lab ID: 40132990018** Collected: 05/24/16 09:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 15:46	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 15:46	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	127-18-4	
Toluene	1.2	ug/L	1.0	0.50	1		06/03/16 15:46	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 15:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 15:46	75-69-4	
Vinyl chloride	4.2	ug/L	1.0	0.18	1		06/03/16 15:46	75-01-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.26	1		06/03/16 15:46	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 15:46	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 15:46	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 15:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 15:46	98-06-6	
trans-1,2-Dichloroethene	1.2	ug/L	1.0	0.26	1		06/03/16 15:46	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 15:46	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/03/16 15:46	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		06/03/16 15:46	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/03/16 15:46	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112 **Lab ID: 40132990019** Collected: 05/24/16 09:40 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 16:09	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 16:09	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 16:09	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 16:09	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 16:09	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 16:09	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 16:09	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 16:09	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 16:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 16:09	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 16:09	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 16:09	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 16:09	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 16:09	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 16:09	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 16:09	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 16:09	108-10-1	
Acetone	3.5J	ug/L	20.0	3.0	1		06/03/16 16:09	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 16:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 16:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 16:09	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 16:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 16:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 16:09	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 16:09	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 16:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 16:09	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 16:09	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112 **Lab ID: 40132990019** Collected: 05/24/16 09:40 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 16:09	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 16:09	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 16:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 16:09	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 16:09	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 16:09	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 16:09	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 16:09	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 16:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 16:09	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 16:09	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 16:09	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		06/03/16 16:09	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/03/16 16:09	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/03/16 16:09	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112A **Lab ID: 40132990020** Collected: 05/24/16 09:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 08:46	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 08:46	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 08:46	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/06/16 08:46	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 08:46	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 08:46	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 08:46	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 08:46	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 08:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 08:46	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/06/16 08:46	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/06/16 08:46	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 08:46	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 08:46	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 08:46	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 08:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 08:46	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/06/16 08:46	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 08:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 08:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 08:46	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/06/16 08:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 08:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 08:46	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 08:46	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 08:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/06/16 08:46	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 08:46	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112A **Lab ID: 40132990020** Collected: 05/24/16 09:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/06/16 08:46	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 08:46	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 08:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 08:46	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/06/16 08:46	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 08:46	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/06/16 08:46	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 08:46	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 08:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 08:46	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 08:46	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 08:46	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		06/06/16 08:46	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/06/16 08:46	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/06/16 08:46	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112B **Lab ID: 40132990021** Collected: 05/24/16 10:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 13:05	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 13:05	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 13:05	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 13:05	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 13:05	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 13:05	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 13:05	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 13:05	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 13:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 13:05	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 13:05	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 13:05	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 13:05	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 13:05	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 13:05	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 13:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 13:05	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 13:05	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 13:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 13:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 13:05	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 13:05	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 13:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 13:05	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 13:05	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 13:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 13:05	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 13:05	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-112B **Lab ID: 40132990021** Collected: 05/24/16 10:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 13:05	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 13:05	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 13:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 13:05	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 13:05	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 13:05	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 13:05	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 13:05	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 13:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 13:05	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 13:05	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 13:05	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		06/03/16 13:05	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 13:05	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		06/03/16 13:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114 **Lab ID: 40132990022** Collected: 05/24/16 13:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 12:20	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 12:20	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 12:20	79-00-5	
1,1-Dichloroethane	0.76J	ug/L	1.0	0.24	1		06/03/16 12:20	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 12:20	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 12:20	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 12:20	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 12:20	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 12:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 12:20	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 12:20	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 12:20	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 12:20	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 12:20	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 12:20	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 12:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 12:20	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 12:20	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 12:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 12:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 12:20	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 12:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 12:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 12:20	74-95-3	
Dichlorodifluoromethane	5.2	ug/L	1.0	0.22	1		06/03/16 12:20	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 12:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 12:20	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 12:20	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114 **Lab ID: 40132990022** Collected: 05/24/16 13:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 12:20	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 12:20	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.33	1		06/03/16 12:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 12:20	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 12:20	75-01-4	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.26	1		06/03/16 12:20	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 12:20	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:20	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 12:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 12:20	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 12:20	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 12:20	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/03/16 12:20	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/03/16 12:20	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/03/16 12:20	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114A **Lab ID: 40132990023** Collected: 05/24/16 13:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:12	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 11:12	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 11:12	79-00-5	
1,1-Dichloroethane	2.1	ug/L	1.0	0.24	1		06/03/16 11:12	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 11:12	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 11:12	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:12	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:12	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 11:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 11:12	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	95-50-1	
1,2-Dichloroethane	0.28J	ug/L	1.0	0.17	1		06/03/16 11:12	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 11:12	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 11:12	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 11:12	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 11:12	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 11:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 11:12	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 11:12	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 11:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 11:12	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 11:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 11:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 11:12	74-95-3	
Dichlorodifluoromethane	0.28J	ug/L	1.0	0.22	1		06/03/16 11:12	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 11:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 11:12	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 11:12	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114A **Lab ID: 40132990023** Collected: 05/24/16 13:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 11:12	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 11:12	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	100-42-5	
Tetrachloroethene	13.4	ug/L	1.0	0.50	1		06/03/16 11:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	108-88-3	
Trichloroethene	4.2	ug/L	1.0	0.33	1		06/03/16 11:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 11:12	75-69-4	
Vinyl chloride	0.23J	ug/L	1.0	0.18	1		06/03/16 11:12	75-01-4	
cis-1,2-Dichloroethene	0.43J	ug/L	1.0	0.26	1		06/03/16 11:12	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 11:12	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 11:12	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 11:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 11:12	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 11:12	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 11:12	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		06/03/16 11:12	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/03/16 11:12	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		06/03/16 11:12	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114B **Lab ID: 40132990024** Collected: 05/24/16 13:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/03/16 12:43	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/03/16 12:43	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/03/16 12:43	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/03/16 12:43	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/03/16 12:43	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/03/16 12:43	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/03/16 12:43	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 12:43	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/03/16 12:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/03/16 12:43	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/03/16 12:43	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/03/16 12:43	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/03/16 12:43	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/03/16 12:43	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/03/16 12:43	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/03/16 12:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/03/16 12:43	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/03/16 12:43	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/03/16 12:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/03/16 12:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/03/16 12:43	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/03/16 12:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/03/16 12:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/03/16 12:43	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/03/16 12:43	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/03/16 12:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/03/16 12:43	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/03/16 12:43	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-114B **Lab ID: 40132990024** Collected: 05/24/16 13:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/03/16 12:43	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/03/16 12:43	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/03/16 12:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/03/16 12:43	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/03/16 12:43	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 12:43	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/03/16 12:43	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/03/16 12:43	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/03/16 12:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/03/16 12:43	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/03/16 12:43	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/03/16 12:43	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		06/03/16 12:43	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/03/16 12:43	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/03/16 12:43	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-115 **Lab ID: 40132990025** Collected: 05/24/16 13:20 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/03/16 17:39	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/03/16 17:39	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/03/16 17:39	79-00-5	
1,1-Dichloroethane	64.3	ug/L	10.0	2.4	10		06/03/16 17:39	75-34-3	
1,1-Dichloroethene	8.4J	ug/L	10.0	4.1	10		06/03/16 17:39	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/03/16 17:39	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/03/16 17:39	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/03/16 17:39	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/03/16 17:39	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/03/16 17:39	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	95-50-1	
1,2-Dichloroethane	83.0	ug/L	10.0	1.7	10		06/03/16 17:39	107-06-2	
1,2-Dichloropropane	5.5J	ug/L	10.0	2.3	10		06/03/16 17:39	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/03/16 17:39	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		06/03/16 17:39	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		06/03/16 17:39	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/03/16 17:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	30.5J	ug/L	50.0	21.4	10		06/03/16 17:39	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		06/03/16 17:39	67-64-1	
Benzene	8.6J	ug/L	10.0	5.0	10		06/03/16 17:39	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/03/16 17:39	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/03/16 17:39	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/03/16 17:39	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	108-90-7	
Chloroethane	1100	ug/L	10.0	3.7	10		06/03/16 17:39	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/03/16 17:39	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/03/16 17:39	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/03/16 17:39	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/03/16 17:39	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/03/16 17:39	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/03/16 17:39	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-115 **Lab ID: 40132990025** Collected: 05/24/16 13:20 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	3.1J	ug/L	10.0	2.3	10		06/03/16 17:39	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/03/16 17:39	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	127-18-4	
Toluene	101	ug/L	10.0	5.0	10		06/03/16 17:39	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		06/03/16 17:39	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/03/16 17:39	75-69-4	
Vinyl chloride	32.1	ug/L	10.0	1.8	10		06/03/16 17:39	75-01-4	
cis-1,2-Dichloroethene	21.9	ug/L	10.0	2.6	10		06/03/16 17:39	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/03/16 17:39	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/03/16 17:39	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/03/16 17:39	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/03/16 17:39	98-06-6	
trans-1,2-Dichloroethene	220	ug/L	10.0	2.6	10		06/03/16 17:39	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/03/16 17:39	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		10		06/03/16 17:39	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/03/16 17:39	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		10		06/03/16 17:39	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-115A **Lab ID: 40132990026** Collected: 05/24/16 14:40 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/06/16 09:32	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/06/16 09:32	79-34-5	
1,1,2-Trichloroethane	5.5	ug/L	5.0	0.99	5		06/06/16 09:32	79-00-5	
1,1-Dichloroethane	132	ug/L	5.0	1.2	5		06/06/16 09:32	75-34-3	
1,1-Dichloroethene	68.2	ug/L	5.0	2.1	5		06/06/16 09:32	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/06/16 09:32	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/06/16 09:32	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/06/16 09:32	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/06/16 09:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/06/16 09:32	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	95-50-1	
1,2-Dichloroethane	3.3J	ug/L	5.0	0.84	5		06/06/16 09:32	107-06-2	
1,2-Dichloropropane	4.3J	ug/L	5.0	1.2	5		06/06/16 09:32	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/06/16 09:32	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		06/06/16 09:32	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		06/06/16 09:32	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/06/16 09:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		06/06/16 09:32	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		06/06/16 09:32	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/06/16 09:32	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/06/16 09:32	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/06/16 09:32	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		06/06/16 09:32	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/06/16 09:32	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/06/16 09:32	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/06/16 09:32	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/06/16 09:32	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		06/06/16 09:32	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/06/16 09:32	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-115A **Lab ID: 40132990026** Collected: 05/24/16 14:40 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/06/16 09:32	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/06/16 09:32	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	108-88-3	
Trichloroethene	95.8	ug/L	5.0	1.7	5		06/06/16 09:32	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/06/16 09:32	75-69-4	
Vinyl chloride	4.9J	ug/L	5.0	0.88	5		06/06/16 09:32	75-01-4	
cis-1,2-Dichloroethene	643	ug/L	5.0	1.3	5		06/06/16 09:32	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	10061-01-5	
m&p-Xylene	<5.0	ug/L	10.0	5.0	5		06/06/16 09:32	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	103-65-1	
o-Xylene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/06/16 09:32	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/06/16 09:32	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/06/16 09:32	98-06-6	
trans-1,2-Dichloroethene	24.0	ug/L	5.0	1.3	5		06/06/16 09:32	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/06/16 09:32	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		5		06/06/16 09:32	1868-53-7	
Toluene-d8 (S)	102	%	70-130		5		06/06/16 09:32	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		5		06/06/16 09:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-115B **Lab ID: 40132990027** Collected: 05/24/16 14:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 09:15	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 09:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 09:15	79-00-5	
1,1-Dichloroethane	0.57J	ug/L	1.0	0.24	1		06/01/16 09:15	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 09:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 09:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 09:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 09:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 09:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 09:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 09:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 09:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 09:15	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 09:15	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 09:15	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 09:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 09:15	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 09:15	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 09:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 09:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 09:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	108-90-7	
Chloroethane	0.72J	ug/L	1.0	0.37	1		06/01/16 09:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 09:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 09:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 09:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 09:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 09:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 09:15	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Project No.: 40132990

Sample: MW-115B **Lab ID: 40132990027** Collected: 05/24/16 14:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 09:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 09:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	100-42-5	M1
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	108-88-3	
Trichloroethene	2.1	ug/L	1.0	0.33	1		06/01/16 09:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 09:15	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 09:15	75-01-4	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.26	1		06/01/16 09:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 09:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 09:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 09:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 09:15	98-06-6	
trans-1,2-Dichloroethene	0.66J	ug/L	1.0	0.26	1		06/01/16 09:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 09:15	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1		06/01/16 09:15	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/01/16 09:15	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/01/16 09:15	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-116 **Lab ID: 40132990028** Collected: 05/24/16 12:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:08	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 07:08	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 07:08	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 07:08	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 07:08	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 07:08	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:08	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:08	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 07:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 07:08	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 07:08	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 07:08	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 07:08	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 07:08	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 07:08	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 07:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 07:08	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 07:08	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:08	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 07:08	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 07:08	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 07:08	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 07:08	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 07:08	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 07:08	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:08	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 07:08	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 07:08	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: MW-116 **Lab ID: 40132990028** Collected: 05/24/16 12:50 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 07:08	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 07:08	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 07:08	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:08	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 07:08	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:08	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 07:08	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:08	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:08	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 07:08	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:08	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:08	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1		06/02/16 07:08	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		06/02/16 07:08	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/02/16 07:08	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: TRIP BLANK **Lab ID: 40132990029** Collected: 05/24/16 00:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:38	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 12:38	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 12:38	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 12:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 12:38	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 12:38	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:38	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:38	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 12:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 12:38	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 12:38	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 12:38	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 12:38	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 12:38	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 12:38	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 12:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 12:38	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 12:38	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 12:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 12:38	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 12:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 12:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 12:38	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 12:38	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 12:38	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 12:38	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: TRIP BLANK **Lab ID: 40132990029** Collected: 05/24/16 00:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.31J	ug/L	1.0	0.23	1		06/01/16 12:38	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 12:38	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 12:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:38	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 12:38	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 12:38	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 12:38	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:38	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 12:38	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 12:38	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		1		06/01/16 12:38	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/01/16 12:38	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/01/16 12:38	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: DRINKING WATER **Lab ID: 40132990030** Collected: 05/24/16 07:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:53	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 11:53	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 11:53	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 11:53	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 11:53	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 11:53	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:53	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:53	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 11:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 11:53	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 11:53	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 11:53	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 11:53	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 11:53	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 11:53	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 11:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 11:53	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 11:53	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 11:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 11:53	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 11:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 11:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 11:53	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 11:53	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 11:53	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 11:53	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: DRINKING WATER **Lab ID: 40132990030** Collected: 05/24/16 07:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 11:53	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 11:53	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 11:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:53	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 11:53	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 11:53	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 11:53	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:53	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 11:53	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 11:53	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:53	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1		06/01/16 11:53	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		06/01/16 11:53	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/01/16 11:53	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-20 **Lab ID: 40132990031** Collected: 05/24/16 16:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:30	630-20-6	
1,1,1-Trichloroethane	0.80J	ug/L	1.0	0.50	1		06/01/16 11:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 11:30	79-34-5	
1,1,2-Trichloroethane	0.40J	ug/L	1.0	0.20	1		06/01/16 11:30	79-00-5	
1,1-Dichloroethane	20.3	ug/L	1.0	0.24	1		06/01/16 11:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 11:30	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 11:30	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:30	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:30	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 11:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 11:30	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	95-50-1	
1,2-Dichloroethane	1.4	ug/L	1.0	0.17	1		06/01/16 11:30	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 11:30	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 11:30	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 11:30	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 11:30	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 11:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 11:30	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 11:30	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:30	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 11:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 11:30	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	108-90-7	
Chloroethane	1.2	ug/L	1.0	0.37	1		06/01/16 11:30	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 11:30	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 11:30	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 11:30	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	108-20-3	
Ethylbenzene	13.2	ug/L	1.0	0.50	1		06/01/16 11:30	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 11:30	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 11:30	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 11:30	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Project No.: 40132990

Sample: W-20 **Lab ID: 40132990031** Collected: 05/24/16 16:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 11:30	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 11:30	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	100-42-5	
Tetrachloroethene	2.5	ug/L	1.0	0.50	1		06/01/16 11:30	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	108-88-3	
Trichloroethene	8.9	ug/L	1.0	0.33	1		06/01/16 11:30	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 11:30	75-69-4	
Vinyl chloride	3.9	ug/L	1.0	0.18	1		06/01/16 11:30	75-01-4	
cis-1,2-Dichloroethene	13.0	ug/L	1.0	0.26	1		06/01/16 11:30	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	10061-01-5	
m&p-Xylene	2.5	ug/L	2.0	1.0	1		06/01/16 11:30	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 11:30	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 11:30	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 11:30	98-06-6	
trans-1,2-Dichloroethene	5.7	ug/L	1.0	0.26	1		06/01/16 11:30	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 11:30	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		1		06/01/16 11:30	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/01/16 11:30	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		06/01/16 11:30	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-26 **Lab ID: 40132990032** Collected: 05/24/16 15:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:15	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 12:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 12:15	79-00-5	
1,1-Dichloroethane	1.5	ug/L	1.0	0.24	1		06/01/16 12:15	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 12:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 12:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 12:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 12:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 12:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 12:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 12:15	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 12:15	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 12:15	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 12:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 12:15	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 12:15	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 12:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 12:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 12:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 12:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 12:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 12:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 12:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 12:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 12:15	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-26 **Lab ID: 40132990032** Collected: 05/24/16 15:00 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 12:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 12:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	108-88-3	
Trichloroethene	19.6	ug/L	1.0	0.33	1		06/01/16 12:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 12:15	75-69-4	
Vinyl chloride	2.6	ug/L	1.0	0.18	1		06/01/16 12:15	75-01-4	
cis-1,2-Dichloroethene	8.3	ug/L	1.0	0.26	1		06/01/16 12:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 12:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 12:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 12:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 12:15	98-06-6	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.26	1		06/01/16 12:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 12:15	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1		06/01/16 12:15	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		06/01/16 12:15	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/01/16 12:15	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-30A **Lab ID: 40132990033** Collected: 05/24/16 16:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:31	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 07:31	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 07:31	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 07:31	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 07:31	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 07:31	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:31	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:31	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 07:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 07:31	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 07:31	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 07:31	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 07:31	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 07:31	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 07:31	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 07:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 07:31	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 07:31	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:31	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 07:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 07:31	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 07:31	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 07:31	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 07:31	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 07:31	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:31	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 07:31	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 07:31	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-30A **Lab ID: 40132990033** Collected: 05/24/16 16:55 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 07:31	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 07:31	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 07:31	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:31	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 07:31	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:31	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 07:31	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:31	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:31	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 07:31	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:31	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:31	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1		06/02/16 07:31	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		06/02/16 07:31	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/02/16 07:31	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-30B **Lab ID: 40132990034** Collected: 05/24/16 16:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:53	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/02/16 07:53	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/02/16 07:53	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/02/16 07:53	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/02/16 07:53	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/02/16 07:53	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:53	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:53	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/02/16 07:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/02/16 07:53	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/02/16 07:53	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/02/16 07:53	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/02/16 07:53	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/02/16 07:53	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/02/16 07:53	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/02/16 07:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/02/16 07:53	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/02/16 07:53	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/02/16 07:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/02/16 07:53	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/02/16 07:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/02/16 07:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/02/16 07:53	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/02/16 07:53	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/02/16 07:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/02/16 07:53	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/02/16 07:53	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: W-30B **Lab ID: 40132990034** Collected: 05/24/16 16:45 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/02/16 07:53	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/02/16 07:53	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/02/16 07:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/02/16 07:53	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/02/16 07:53	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:53	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/02/16 07:53	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/02/16 07:53	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/02/16 07:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/02/16 07:53	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/02/16 07:53	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/02/16 07:53	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1		06/02/16 07:53	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/02/16 07:53	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		06/02/16 07:53	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: FIELD BLANK **Lab ID: 40132990035** Collected: 05/24/16 07:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:00	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 13:00	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 13:00	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 13:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 13:00	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 13:00	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:00	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:00	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 13:00	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 13:00	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 13:00	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 13:00	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 13:00	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 13:00	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 13:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 13:00	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 13:00	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 13:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 13:00	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/01/16 13:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 13:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 13:00	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 13:00	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 13:00	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 13:00	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: FIELD BLANK **Lab ID: 40132990035** Collected: 05/24/16 07:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 13:00	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 13:00	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/01/16 13:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:00	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 13:00	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 13:00	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 13:00	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:00	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 13:00	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/01/16 13:00	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:00	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1		06/01/16 13:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/01/16 13:00	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/01/16 13:00	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: RW-7 **Lab ID: 40132990036** Collected: 05/24/16 15:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/01/16 09:38	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/01/16 09:38	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		06/01/16 09:38	79-00-5	
1,1-Dichloroethane	39.9	ug/L	5.0	1.2	5		06/01/16 09:38	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		06/01/16 09:38	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/01/16 09:38	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/01/16 09:38	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/01/16 09:38	120-82-1	
1,2,4-Trimethylbenzene	3.5J	ug/L	5.0	2.5	5		06/01/16 09:38	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/01/16 09:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/01/16 09:38	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		06/01/16 09:38	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		06/01/16 09:38	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/01/16 09:38	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		06/01/16 09:38	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		06/01/16 09:38	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/01/16 09:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		06/01/16 09:38	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		06/01/16 09:38	67-64-1	
Benzene	10.8	ug/L	5.0	2.5	5		06/01/16 09:38	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/01/16 09:38	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/01/16 09:38	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/01/16 09:38	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	108-90-7	
Chloroethane	73.4	ug/L	5.0	1.9	5		06/01/16 09:38	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/01/16 09:38	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/01/16 09:38	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/01/16 09:38	75-71-8	
Diisopropyl ether	3.6J	ug/L	5.0	2.5	5		06/01/16 09:38	108-20-3	
Ethylbenzene	262	ug/L	5.0	2.5	5		06/01/16 09:38	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/01/16 09:38	87-68-3	
Isopropylbenzene (Cumene)	1.6J	ug/L	5.0	0.72	5		06/01/16 09:38	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/01/16 09:38	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: RW-7 **Lab ID: 40132990036** Collected: 05/24/16 15:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/01/16 09:38	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/01/16 09:38	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	127-18-4	
Toluene	65.7	ug/L	5.0	2.5	5		06/01/16 09:38	108-88-3	
Trichloroethene	3.2J	ug/L	5.0	1.7	5		06/01/16 09:38	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/01/16 09:38	75-69-4	
Vinyl chloride	8.3	ug/L	5.0	0.88	5		06/01/16 09:38	75-01-4	
cis-1,2-Dichloroethene	7.9	ug/L	5.0	1.3	5		06/01/16 09:38	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	10061-01-5	
m&p-Xylene	348	ug/L	10.0	5.0	5		06/01/16 09:38	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	103-65-1	
o-Xylene	85.3	ug/L	5.0	2.5	5		06/01/16 09:38	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/01/16 09:38	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/01/16 09:38	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/01/16 09:38	98-06-6	
trans-1,2-Dichloroethene	2.3J	ug/L	5.0	1.3	5		06/01/16 09:38	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/01/16 09:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		5		06/01/16 09:38	1868-53-7	
Toluene-d8 (S)	90	%	70-130		5		06/01/16 09:38	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		5		06/01/16 09:38	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: RW-6 **Lab ID: 40132990037** Collected: 05/24/16 14:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		06/01/16 10:00	630-20-6	
1,1,1-Trichloroethane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		06/01/16 10:00	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/L	100	19.7	100		06/01/16 10:00	79-00-5	
1,1-Dichloroethane	54.6J	ug/L	100	24.2	100		06/01/16 10:00	75-34-3	
1,1-Dichloroethene	<41.0	ug/L	100	41.0	100		06/01/16 10:00	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		06/01/16 10:00	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		06/01/16 10:00	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		06/01/16 10:00	120-82-1	
1,2,4-Trimethylbenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		06/01/16 10:00	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		06/01/16 10:00	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	95-50-1	
1,2-Dichloroethane	<16.8	ug/L	100	16.8	100		06/01/16 10:00	107-06-2	
1,2-Dichloropropane	<23.3	ug/L	100	23.3	100		06/01/16 10:00	78-87-5	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		06/01/16 10:00	594-20-7	
2-Butanone (MEK)	533J	ug/L	2000	298	100		06/01/16 10:00	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	95-49-8	
2-Propanol	3910J	ug/L	25000	2430	100		06/01/16 10:00	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		06/01/16 10:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	1030	ug/L	500	214	100		06/01/16 10:00	108-10-1	
Acetone	3740	ug/L	2000	295	100		06/01/16 10:00	67-64-1	
Benzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		06/01/16 10:00	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		06/01/16 10:00	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		06/01/16 10:00	75-25-2	
Bromomethane	<243	ug/L	500	243	100		06/01/16 10:00	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		06/01/16 10:00	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	108-90-7	
Chloroethane	273	ug/L	100	37.5	100		06/01/16 10:00	75-00-3	
Chloroform	<250	ug/L	500	250	100		06/01/16 10:00	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		06/01/16 10:00	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		06/01/16 10:00	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		06/01/16 10:00	75-71-8	
Diisopropyl ether	<50.0	ug/L	100	50.0	100		06/01/16 10:00	108-20-3	
Ethylbenzene	978	ug/L	100	50.0	100		06/01/16 10:00	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		06/01/16 10:00	87-68-3	
Isopropylbenzene (Cumene)	<14.3	ug/L	100	14.3	100		06/01/16 10:00	98-82-8	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		06/01/16 10:00	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: RW-6 **Lab ID: 40132990037** Collected: 05/24/16 14:15 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<23.3	ug/L	100	23.3	100		06/01/16 10:00	75-09-2	
Naphthalene	<250	ug/L	500	250	100		06/01/16 10:00	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	100-42-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	127-18-4	
Toluene	11100	ug/L	100	50.0	100		06/01/16 10:00	108-88-3	
Trichloroethene	<33.1	ug/L	100	33.1	100		06/01/16 10:00	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		06/01/16 10:00	75-69-4	
Vinyl chloride	43.3J	ug/L	100	17.6	100		06/01/16 10:00	75-01-4	
cis-1,2-Dichloroethene	39.3J	ug/L	100	25.6	100		06/01/16 10:00	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	10061-01-5	
m&p-Xylene	2450	ug/L	200	100	100		06/01/16 10:00	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	103-65-1	
o-Xylene	647	ug/L	100	50.0	100		06/01/16 10:00	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		06/01/16 10:00	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		06/01/16 10:00	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		06/01/16 10:00	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		06/01/16 10:00	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		06/01/16 10:00	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		100		06/01/16 10:00	1868-53-7	
Toluene-d8 (S)	97	%	70-130		100		06/01/16 10:00	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		100		06/01/16 10:00	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: **FIELD METHOD BLANK** Lab ID: **40132990038** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:23	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/01/16 13:23	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/01/16 13:23	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/01/16 13:23	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/01/16 13:23	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/01/16 13:23	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:23	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:23	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/01/16 13:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/01/16 13:23	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/01/16 13:23	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/01/16 13:23	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/01/16 13:23	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/01/16 13:23	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/01/16 13:23	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/01/16 13:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/01/16 13:23	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/01/16 13:23	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/01/16 13:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/01/16 13:23	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	108-90-7	
Chloroethane	0.46J	ug/L	1.0	0.37	1		06/01/16 13:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/01/16 13:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/01/16 13:23	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/01/16 13:23	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/01/16 13:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/01/16 13:23	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/01/16 13:23	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: FIELD METHOD BLANK **Lab ID: 40132990038** Collected: 05/24/16 13:30 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/01/16 13:23	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/01/16 13:23	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	127-18-4	
Toluene	0.58J	ug/L	1.0	0.50	1		06/01/16 13:23	108-88-3	
Trichloroethene	0.57J	ug/L	1.0	0.33	1		06/01/16 13:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/01/16 13:23	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/01/16 13:23	75-01-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.26	1		06/01/16 13:23	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/01/16 13:23	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/01/16 13:23	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/01/16 13:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/01/16 13:23	98-06-6	
trans-1,2-Dichloroethene	0.39J	ug/L	1.0	0.26	1		06/01/16 13:23	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/01/16 13:23	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		1		06/01/16 13:23	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		06/01/16 13:23	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		06/01/16 13:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40132990

Sample: S2N **Lab ID: 40132990039** Collected: 05/24/16 08:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 15:34	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 15:34	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 15:34	79-00-5	
1,1-Dichloroethane	6.5	ug/L	1.0	0.24	1		06/06/16 15:34	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 15:34	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 15:34	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 15:34	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 15:34	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 15:34	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 15:34	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	95-50-1	
1,2-Dichloroethane	2.0	ug/L	1.0	0.17	1		06/06/16 15:34	107-06-2	
1,2-Dichloropropane	0.26J	ug/L	1.0	0.23	1		06/06/16 15:34	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 15:34	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 15:34	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 15:34	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 15:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 15:34	108-10-1	
Acetone	3.3J	ug/L	20.0	3.0	1		06/06/16 15:34	67-64-1	
Benzene	0.54J	ug/L	1.0	0.50	1		06/06/16 15:34	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 15:34	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 15:34	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 15:34	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	108-90-7	
Chloroethane	11.7	ug/L	1.0	0.37	1		06/06/16 15:34	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 15:34	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 15:34	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 15:34	75-71-8	
Diisopropyl ether	0.57J	ug/L	1.0	0.50	1		06/06/16 15:34	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 15:34	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/06/16 15:34	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 15:34	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: S2N **Lab ID: 40132990039** Collected: 05/24/16 08:10 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.25J	ug/L	1.0	0.23	1		06/06/16 15:34	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 15:34	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	127-18-4	
Toluene	1.2	ug/L	1.0	0.50	1		06/06/16 15:34	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 15:34	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 15:34	75-69-4	
Vinyl chloride	0.49J	ug/L	1.0	0.18	1		06/06/16 15:34	75-01-4	
cis-1,2-Dichloroethene	0.86J	ug/L	1.0	0.26	1		06/06/16 15:34	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/06/16 15:34	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:34	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 15:34	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 15:34	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 15:34	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 15:34	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		06/06/16 15:34	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/06/16 15:34	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		06/06/16 15:34	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: S7N **Lab ID: 40132990040** Collected: 05/24/16 08:25 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 15:57	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 15:57	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 15:57	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/06/16 15:57	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 15:57	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 15:57	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 15:57	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 15:57	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 15:57	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 15:57	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/06/16 15:57	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/06/16 15:57	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 15:57	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 15:57	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 15:57	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 15:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 15:57	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/06/16 15:57	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 15:57	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 15:57	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 15:57	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/06/16 15:57	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 15:57	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 15:57	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 15:57	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 15:57	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/06/16 15:57	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 15:57	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: S7N **Lab ID: 40132990040** Collected: 05/24/16 08:25 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/06/16 15:57	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 15:57	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 15:57	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 15:57	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/06/16 15:57	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 15:57	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/06/16 15:57	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 15:57	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 15:57	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 15:57	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 15:57	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 15:57	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		06/06/16 15:57	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		06/06/16 15:57	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		06/06/16 15:57	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: S8N **Lab ID: 40132990041** Collected: 05/24/16 08:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/06/16 16:19	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/06/16 16:19	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/06/16 16:19	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/06/16 16:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/06/16 16:19	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/06/16 16:19	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/06/16 16:19	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 16:19	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/06/16 16:19	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/06/16 16:19	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/06/16 16:19	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/06/16 16:19	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/06/16 16:19	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		06/06/16 16:19	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		06/06/16 16:19	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/06/16 16:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		06/06/16 16:19	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		06/06/16 16:19	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/06/16 16:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/06/16 16:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/06/16 16:19	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/06/16 16:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/06/16 16:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/06/16 16:19	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/06/16 16:19	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/06/16 16:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/06/16 16:19	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/06/16 16:19	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40132990

Sample: S8N **Lab ID: 40132990041** Collected: 05/24/16 08:35 Received: 05/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/06/16 16:19	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/06/16 16:19	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/06/16 16:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/06/16 16:19	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/06/16 16:19	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 16:19	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/06/16 16:19	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/06/16 16:19	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/06/16 16:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/06/16 16:19	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/06/16 16:19	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/06/16 16:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		06/06/16 16:19	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/06/16 16:19	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		06/06/16 16:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40132990

QC Batch: MSV/33727 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40132990001, 40132990002, 40132990003, 40132990004, 40132990005, 40132990006

METHOD BLANK: 1343430 Matrix: Water
Associated Lab Samples: 40132990001, 40132990002, 40132990003, 40132990004, 40132990005, 40132990006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/02/16 06:57	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/02/16 06:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/02/16 06:57	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/02/16 06:57	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/02/16 06:57	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/02/16 06:57	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/02/16 06:57	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/02/16 06:57	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/02/16 06:57	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/02/16 06:57	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/02/16 06:57	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/02/16 06:57	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/02/16 06:57	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/02/16 06:57	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/02/16 06:57	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/02/16 06:57	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/02/16 06:57	
2-Chlorotoluene	ug/L	<0.50	1.0	06/02/16 06:57	
2-Propanol	ug/L	<24.3	250	06/02/16 06:57	
4-Chlorotoluene	ug/L	<0.21	1.0	06/02/16 06:57	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/02/16 06:57	
Acetone	ug/L	<3.0	20.0	06/02/16 06:57	
Benzene	ug/L	<0.50	1.0	06/02/16 06:57	
Bromobenzene	ug/L	<0.23	1.0	06/02/16 06:57	
Bromochloromethane	ug/L	<0.34	1.0	06/02/16 06:57	
Bromodichloromethane	ug/L	<0.50	1.0	06/02/16 06:57	
Bromoform	ug/L	<0.50	1.0	06/02/16 06:57	
Bromomethane	ug/L	<2.4	5.0	06/02/16 06:57	
Carbon tetrachloride	ug/L	<0.50	1.0	06/02/16 06:57	
Chlorobenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Chloroethane	ug/L	<0.37	1.0	06/02/16 06:57	
Chloroform	ug/L	<2.5	5.0	06/02/16 06:57	
Chloromethane	ug/L	<0.50	1.0	06/02/16 06:57	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/02/16 06:57	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/02/16 06:57	
Dibromochloromethane	ug/L	<0.50	1.0	06/02/16 06:57	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

METHOD BLANK: 1343430

Matrix: Water

Associated Lab Samples: 40132990001, 40132990002, 40132990003, 40132990004, 40132990005, 40132990006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	06/02/16 06:57	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/02/16 06:57	
Diisopropyl ether	ug/L	<0.50	1.0	06/02/16 06:57	
Ethylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/02/16 06:57	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/02/16 06:57	
m&p-Xylene	ug/L	<1.0	2.0	06/02/16 06:57	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/02/16 06:57	
Methylene Chloride	ug/L	<0.23	1.0	06/02/16 06:57	
n-Butylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
n-Propylbenzene	ug/L	<0.50	1.0	06/02/16 06:57	
Naphthalene	ug/L	<2.5	5.0	06/02/16 06:57	
o-Xylene	ug/L	<0.50	1.0	06/02/16 06:57	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/02/16 06:57	
sec-Butylbenzene	ug/L	<2.2	5.0	06/02/16 06:57	
Styrene	ug/L	<0.50	1.0	06/02/16 06:57	
tert-Butylbenzene	ug/L	<0.18	1.0	06/02/16 06:57	
Tetrachloroethene	ug/L	<0.50	1.0	06/02/16 06:57	
Toluene	ug/L	<0.50	1.0	06/02/16 06:57	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/02/16 06:57	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/02/16 06:57	
Trichloroethene	ug/L	<0.33	1.0	06/02/16 06:57	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/02/16 06:57	
Vinyl chloride	ug/L	<0.18	1.0	06/02/16 06:57	
4-Bromofluorobenzene (S)	%	92	70-130	06/02/16 06:57	
Dibromofluoromethane (S)	%	99	70-130	06/02/16 06:57	
Toluene-d8 (S)	%	103	70-130	06/02/16 06:57	

LABORATORY CONTROL SAMPLE: 1343431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	92	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	67-130	
1,1,2-Trichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethane	ug/L	20	18.2	91	70-133	
1,1-Dichloroethene	ug/L	20	16.5	83	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.2	101	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	22.4	112	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.3	96	70-130	
1,2-Dichloropropane	ug/L	20	20.3	102	70-130	
1,3-Dichlorobenzene	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	20.3	102	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

LABORATORY CONTROL SAMPLE: 1343431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.0	90	60-135	
Bromodichloromethane	ug/L	20	20.1	101	70-130	
Bromoform	ug/L	20	20.7	104	70-130	
Bromomethane	ug/L	20	12.0	60	33-130	
Carbon tetrachloride	ug/L	20	18.4	92	70-138	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	15.5	77	51-130	
Chloroform	ug/L	20	19.3	97	70-130	
Chloromethane	ug/L	20	12.3	62	25-132	
cis-1,2-Dichloroethene	ug/L	20	17.5	88	69-130	
cis-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
Dibromochloromethane	ug/L	20	21.7	108	70-130	
Dichlorodifluoromethane	ug/L	20	10.5	53	23-130	
Ethylbenzene	ug/L	20	20.4	102	70-136	
Isopropylbenzene (Cumene)	ug/L	20	21.2	106	70-140	
m&p-Xylene	ug/L	40	44.0	110	70-138	
Methyl-tert-butyl ether	ug/L	20	19.6	98	66-138	
Methylene Chloride	ug/L	20	17.8	89	70-130	
o-Xylene	ug/L	20	20.8	104	70-134	
Styrene	ug/L	20	22.2	111	70-133	
Tetrachloroethene	ug/L	20	20.2	101	70-138	
Toluene	ug/L	20	21.3	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.6	88	70-131	
trans-1,3-Dichloropropene	ug/L	20	19.9	100	69-130	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	17.4	87	50-150	
Vinyl chloride	ug/L	20	14.5	73	49-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			106	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1344287 1344288

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40132917027 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	2.0	50	50	49.8	50.5	96	97	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.2	51.9	104	104	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.4	50.6	105	101	70-130	4	20	
1,1-Dichloroethane	ug/L	0.36J	50	50	46.6	46.6	92	92	70-134	0	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	44.1	43.4	88	87	68-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.9	45.7	91	91	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	53.6	53.3	107	107	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.8	54.9	110	110	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.5	50.9	103	102	70-130	1	20	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

Parameter	Units	40132917027		1344287		1344288		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dichloroethane	ug/L	<0.17	50	50	46.0	46.5	92	93	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	52.0	50.6	104	101	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.6	51.5	101	103	70-131	2	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.0	51.1	98	102	70-130	4	20		
Benzene	ug/L	<0.50	50	50	47.5	47.2	95	94	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	51.2	50.3	102	101	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	53.9	52.4	108	105	70-130	3	20		
Bromomethane	ug/L	<2.4	50	50	33.5	37.4	67	75	33-130	11	27		
Carbon tetrachloride	ug/L	<0.50	50	50	48.9	50.2	98	100	70-138	2	20		
Chlorobenzene	ug/L	<0.50	50	50	51.9	52.3	104	104	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	44.3	45.1	89	90	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	47.0	47.6	94	95	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	36.4	36.6	73	73	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	0.36J	50	50	46.2	46.7	92	93	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.2	48.5	96	97	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	53.7	53.5	107	107	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	28.1	27.2	56	54	23-130	3	20		
Ethylbenzene	ug/L	<0.50	50	50	54.0	54.1	108	108	70-138	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.4	55.7	113	111	70-152	1	20		
m&p-Xylene	ug/L	<1.0	100	100	113	112	113	112	70-140	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	47.4	47.1	95	94	66-139	1	20		
Methylene Chloride	ug/L	1.1	50	50	45.5	46.2	89	90	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	54.8	54.6	110	109	70-134	0	20		
Styrene	ug/L	<0.50	50	50	56.6	56.5	113	113	70-138	0	20		
Tetrachloroethene	ug/L	<0.50	50	50	52.6	52.1	104	104	70-148	1	20		
Toluene	ug/L	<0.50	50	50	54.5	54.0	108	107	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	45.6	46.1	91	92	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.0	50.1	100	100	69-130	0	20		
Trichloroethene	ug/L	1.3	50	50	52.7	52.7	103	103	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	45.5	45.6	91	91	50-150	0	20		
Vinyl chloride	ug/L	<0.18	50	50	39.8	39.1	80	78	49-133	2	20		
4-Bromofluorobenzene (S)	%						100	100	70-130				
Dibromofluoromethane (S)	%						96	97	70-130				
Toluene-d8 (S)	%						105	105	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40132990

QC Batch: MSV/33728 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40132990007, 40132990008, 40132990009, 40132990010, 40132990011, 40132990012, 40132990013, 40132990014, 40132990015, 40132990016, 40132990017, 40132990018, 40132990019, 40132990020, 40132990021, 40132990022, 40132990023, 40132990024, 40132990025, 40132990026

METHOD BLANK: 1343436 Matrix: Water
Associated Lab Samples: 40132990007, 40132990008, 40132990009, 40132990010, 40132990011, 40132990012, 40132990013, 40132990014, 40132990015, 40132990016, 40132990017, 40132990018, 40132990019, 40132990020, 40132990021, 40132990022, 40132990023, 40132990024, 40132990025, 40132990026

Parameter	Units	Blank Reporting		Analyzed	Qualifiers
		Result	Limit		
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/03/16 07:04	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/03/16 07:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/03/16 07:04	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/03/16 07:04	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/03/16 07:04	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/03/16 07:04	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/03/16 07:04	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/03/16 07:04	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/03/16 07:04	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/03/16 07:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/03/16 07:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/03/16 07:04	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/03/16 07:04	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/03/16 07:04	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/03/16 07:04	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/03/16 07:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/03/16 07:04	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/03/16 07:04	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/03/16 07:04	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/03/16 07:04	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/03/16 07:04	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/03/16 07:04	
2-Chlorotoluene	ug/L	<0.50	1.0	06/03/16 07:04	
2-Propanol	ug/L	<24.3	250	06/03/16 07:04	
4-Chlorotoluene	ug/L	<0.21	1.0	06/03/16 07:04	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/03/16 07:04	
Acetone	ug/L	<3.0	20.0	06/03/16 07:04	
Benzene	ug/L	<0.50	1.0	06/03/16 07:04	
Bromobenzene	ug/L	<0.23	1.0	06/03/16 07:04	
Bromochloromethane	ug/L	<0.34	1.0	06/03/16 07:04	
Bromodichloromethane	ug/L	<0.50	1.0	06/03/16 07:04	
Bromoform	ug/L	<0.50	1.0	06/03/16 07:04	
Bromomethane	ug/L	<2.4	5.0	06/03/16 07:04	
Carbon tetrachloride	ug/L	<0.50	1.0	06/03/16 07:04	
Chlorobenzene	ug/L	<0.50	1.0	06/03/16 07:04	
Chloroethane	ug/L	<0.37	1.0	06/03/16 07:04	
Chloroform	ug/L	<2.5	5.0	06/03/16 07:04	
Chloromethane	ug/L	<0.50	1.0	06/03/16 07:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

METHOD BLANK: 1343436

Matrix: Water

Associated Lab Samples: 40132990007, 40132990008, 40132990009, 40132990010, 40132990011, 40132990012, 40132990013, 40132990014, 40132990015, 40132990016, 40132990017, 40132990018, 40132990019, 40132990020, 40132990021, 40132990022, 40132990023, 40132990024, 40132990025, 40132990026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/03/16 07:04	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/03/16 07:04	
Dibromochloromethane	ug/L	<0.50	1.0	06/03/16 07:04	
Dibromomethane	ug/L	<0.43	1.0	06/03/16 07:04	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/03/16 07:04	
Diisopropyl ether	ug/L	<0.50	1.0	06/03/16 07:04	
Ethylbenzene	ug/L	<0.50	1.0	06/03/16 07:04	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/03/16 07:04	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/03/16 07:04	
m&p-Xylene	ug/L	<1.0	2.0	06/03/16 07:04	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/03/16 07:04	
Methylene Chloride	ug/L	<0.23	1.0	06/03/16 07:04	
n-Butylbenzene	ug/L	<0.50	1.0	06/03/16 07:04	
n-Propylbenzene	ug/L	<0.50	1.0	06/03/16 07:04	
Naphthalene	ug/L	<2.5	5.0	06/03/16 07:04	
o-Xylene	ug/L	<0.50	1.0	06/03/16 07:04	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/03/16 07:04	
sec-Butylbenzene	ug/L	<2.2	5.0	06/03/16 07:04	
Styrene	ug/L	<0.50	1.0	06/03/16 07:04	
tert-Butylbenzene	ug/L	<0.18	1.0	06/03/16 07:04	
Tetrachloroethene	ug/L	<0.50	1.0	06/03/16 07:04	
Toluene	ug/L	<0.50	1.0	06/03/16 07:04	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/03/16 07:04	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/03/16 07:04	
Trichloroethene	ug/L	<0.33	1.0	06/03/16 07:04	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/03/16 07:04	
Vinyl chloride	ug/L	<0.18	1.0	06/03/16 07:04	
4-Bromofluorobenzene (S)	%	93	70-130	06/03/16 07:04	
Dibromofluoromethane (S)	%	100	70-130	06/03/16 07:04	
Toluene-d8 (S)	%	104	70-130	06/03/16 07:04	

LABORATORY CONTROL SAMPLE: 1343437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.0	96	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	67-130	
1,1,2-Trichloroethane	ug/L	50	50.7	101	70-130	
1,1-Dichloroethane	ug/L	50	47.7	95	70-133	
1,1-Dichloroethene	ug/L	50	45.0	90	70-130	
1,2,4-Trichlorobenzene	ug/L	50	40.9	82	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.2	96	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	54.4	109	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

LABORATORY CONTROL SAMPLE: 1343437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-130	
1,2-Dichloropropane	ug/L	50	49.4	99	70-130	
1,3-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	47.0	94	60-135	
Bromodichloromethane	ug/L	50	49.6	99	70-130	
Bromoform	ug/L	50	51.3	103	70-130	
Bromomethane	ug/L	50	34.0	68	33-130	
Carbon tetrachloride	ug/L	50	48.9	98	70-138	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	45.4	91	51-130	
Chloroform	ug/L	50	48.0	96	70-130	
Chloromethane	ug/L	50	35.4	71	25-132	
cis-1,2-Dichloroethene	ug/L	50	46.0	92	69-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	24.3	49	23-130	
Ethylbenzene	ug/L	50	52.5	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.7	107	70-140	
m&p-Xylene	ug/L	100	111	111	70-138	
Methyl-tert-butyl ether	ug/L	50	48.3	97	66-138	
Methylene Chloride	ug/L	50	46.4	93	70-130	
o-Xylene	ug/L	50	52.7	105	70-134	
Styrene	ug/L	50	56.3	113	70-133	
Tetrachloroethene	ug/L	50	49.0	98	70-138	
Toluene	ug/L	50	52.6	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-131	
trans-1,3-Dichloropropene	ug/L	50	48.6	97	69-130	
Trichloroethene	ug/L	50	49.7	99	70-130	
Trichlorofluoromethane	ug/L	50	45.3	91	50-150	
Vinyl chloride	ug/L	50	37.9	76	49-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1345666 1345667

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40132990023 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	48.4	47.0	97	94	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	51.2	50.1	102	100	67-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	51.8	51.4	104	103	70-130	1	20	
1,1-Dichloroethane	ug/L	2.1	50	50	49.8	46.9	95	90	70-134	6	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	44.9	43.2	89	86	68-136	4	20	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

Parameter	Units	40132990023		1345666		1345667		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	43.8	41.9	87	83	62-139	5	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	50.2	51.5	100	103	50-150	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.4	54.0	109	108	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.4	48.9	103	98	70-130	5	20		
1,2-Dichloroethane	ug/L	0.28J	50	50	48.1	48.1	96	96	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	51.8	50.0	104	100	70-130	4	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.4	48.7	101	97	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.5	48.9	101	98	70-130	3	20		
Benzene	ug/L	<0.50	50	50	47.9	46.2	96	92	57-138	4	20		
Bromodichloromethane	ug/L	<0.50	50	50	51.9	50.3	104	101	70-130	3	20		
Bromoform	ug/L	<0.50	50	50	52.8	52.2	106	104	70-130	1	20		
Bromomethane	ug/L	<2.4	50	50	35.0	33.8	70	68	33-130	4	27		
Carbon tetrachloride	ug/L	<0.50	50	50	49.8	48.2	100	96	70-138	3	20		
Chlorobenzene	ug/L	<0.50	50	50	52.5	50.7	105	101	70-130	4	20		
Chloroethane	ug/L	<0.37	50	50	44.2	41.1	88	82	51-130	7	20		
Chloroform	ug/L	<2.5	50	50	48.2	46.4	96	93	70-130	4	20		
Chloromethane	ug/L	<0.50	50	50	33.1	30.4	66	61	25-132	8	20		
cis-1,2-Dichloroethene	ug/L	0.43J	50	50	46.8	45.5	93	90	61-140	3	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.9	47.3	96	95	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	53.6	52.1	107	104	70-130	3	20		
Dichlorodifluoromethane	ug/L	0.28J	50	50	20.7	19.8	41	39	23-130	4	20		
Ethylbenzene	ug/L	<0.50	50	50	54.4	52.5	109	105	70-138	4	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.8	53.9	112	108	70-152	4	20		
m&p-Xylene	ug/L	<1.0	100	100	115	110	115	110	70-140	5	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	47.5	46.9	95	94	66-139	1	20		
Methylene Chloride	ug/L	<0.23	50	50	46.0	44.4	92	89	70-130	3	20		
o-Xylene	ug/L	<0.50	50	50	55.5	52.6	111	105	70-134	5	20		
Styrene	ug/L	<0.50	50	50	58.5	55.2	117	110	70-138	6	20		
Tetrachloroethene	ug/L	13.4	50	50	66.4	64.1	106	101	70-148	4	20		
Toluene	ug/L	<0.50	50	50	54.1	53.3	108	106	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.1	44.9	92	90	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.8	48.3	102	97	69-130	5	20		
Trichloroethene	ug/L	4.2	50	50	56.1	54.2	104	100	70-131	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	45.3	43.6	91	87	50-150	4	20		
Vinyl chloride	ug/L	0.23J	50	50	37.0	34.6	74	69	49-133	7	20		
4-Bromofluorobenzene (S)	%						101	99	70-130				
Dibromofluoromethane (S)	%						96	98	70-130				
Toluene-d8 (S)	%						104	103	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

QC Batch: MSV/33731 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
 Associated Lab Samples: 40132990027, 40132990028, 40132990029, 40132990030, 40132990031, 40132990032, 40132990033,
 40132990034, 40132990035, 40132990036, 40132990037, 40132990038

METHOD BLANK: 1343447 Matrix: Water
 Associated Lab Samples: 40132990027, 40132990028, 40132990029, 40132990030, 40132990031, 40132990032, 40132990033,
 40132990034, 40132990035, 40132990036, 40132990037, 40132990038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/01/16 06:38	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/01/16 06:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/01/16 06:38	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/01/16 06:38	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/01/16 06:38	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/01/16 06:38	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/01/16 06:38	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/01/16 06:38	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/01/16 06:38	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/01/16 06:38	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/01/16 06:38	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/01/16 06:38	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/01/16 06:38	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 06:38	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/01/16 06:38	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/01/16 06:38	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/01/16 06:38	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 06:38	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/01/16 06:38	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/01/16 06:38	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/01/16 06:38	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/01/16 06:38	
2-Chlorotoluene	ug/L	<0.50	1.0	06/01/16 06:38	
2-Propanol	ug/L	<24.3	250	06/01/16 06:38	
4-Chlorotoluene	ug/L	<0.21	1.0	06/01/16 06:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/01/16 06:38	
Acetone	ug/L	<3.0	20.0	06/01/16 06:38	
Benzene	ug/L	<0.50	1.0	06/01/16 06:38	
Bromobenzene	ug/L	<0.23	1.0	06/01/16 06:38	
Bromochloromethane	ug/L	<0.34	1.0	06/01/16 06:38	
Bromodichloromethane	ug/L	<0.50	1.0	06/01/16 06:38	
Bromoform	ug/L	<0.50	1.0	06/01/16 06:38	
Bromomethane	ug/L	<2.4	5.0	06/01/16 06:38	
Carbon tetrachloride	ug/L	<0.50	1.0	06/01/16 06:38	
Chlorobenzene	ug/L	<0.50	1.0	06/01/16 06:38	
Chloroethane	ug/L	<0.37	1.0	06/01/16 06:38	
Chloroform	ug/L	<2.5	5.0	06/01/16 06:38	
Chloromethane	ug/L	<0.50	1.0	06/01/16 06:38	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/01/16 06:38	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/01/16 06:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

METHOD BLANK: 1343447

Matrix: Water

Associated Lab Samples: 40132990027, 40132990028, 40132990029, 40132990030, 40132990031, 40132990032, 40132990033, 40132990034, 40132990035, 40132990036, 40132990037, 40132990038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.50	1.0	06/01/16 06:38	
Dibromomethane	ug/L	<0.43	1.0	06/01/16 06:38	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/01/16 06:38	
Diisopropyl ether	ug/L	<0.50	1.0	06/01/16 06:38	
Ethylbenzene	ug/L	<0.50	1.0	06/01/16 06:38	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/01/16 06:38	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/01/16 06:38	
m&p-Xylene	ug/L	<1.0	2.0	06/01/16 06:38	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/01/16 06:38	
Methylene Chloride	ug/L	<0.23	1.0	06/01/16 06:38	
n-Butylbenzene	ug/L	<0.50	1.0	06/01/16 06:38	
n-Propylbenzene	ug/L	<0.50	1.0	06/01/16 06:38	
Naphthalene	ug/L	<2.5	5.0	06/01/16 06:38	
o-Xylene	ug/L	<0.50	1.0	06/01/16 06:38	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/01/16 06:38	
sec-Butylbenzene	ug/L	<2.2	5.0	06/01/16 06:38	
Styrene	ug/L	<0.50	1.0	06/01/16 06:38	
tert-Butylbenzene	ug/L	<0.18	1.0	06/01/16 06:38	
Tetrachloroethene	ug/L	<0.50	1.0	06/01/16 06:38	
Toluene	ug/L	<0.50	1.0	06/01/16 06:38	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/01/16 06:38	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/01/16 06:38	
Trichloroethene	ug/L	<0.33	1.0	06/01/16 06:38	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/01/16 06:38	
Vinyl chloride	ug/L	<0.18	1.0	06/01/16 06:38	
4-Bromofluorobenzene (S)	%	88	70-130	06/01/16 06:38	
Dibromofluoromethane (S)	%	112	70-130	06/01/16 06:38	
Toluene-d8 (S)	%	96	70-130	06/01/16 06:38	

LABORATORY CONTROL SAMPLE: 1343448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.2	102	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	53.1	106	67-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	51.1	102	70-133	
1,1-Dichloroethene	ug/L	50	46.4	93	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.9	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	90	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,2-Dichloroethane	ug/L	50	51.7	103	70-130	
1,2-Dichloropropane	ug/L	50	54.7	109	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

LABORATORY CONTROL SAMPLE: 1343448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,4-Dichlorobenzene	ug/L	50	52.4	105	70-130	
Benzene	ug/L	50	53.8	108	60-135	
Bromodichloromethane	ug/L	50	52.9	106	70-130	
Bromoform	ug/L	50	47.1	94	70-130	
Bromomethane	ug/L	50	41.3	83	33-130	
Carbon tetrachloride	ug/L	50	54.3	109	70-138	
Chlorobenzene	ug/L	50	53.8	108	70-130	
Chloroethane	ug/L	50	52.4	105	51-130	
Chloroform	ug/L	50	53.4	107	70-130	
Chloromethane	ug/L	50	42.4	85	25-132	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	69-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	49.4	99	70-130	
Dichlorodifluoromethane	ug/L	50	40.7	81	23-130	
Ethylbenzene	ug/L	50	56.5	113	70-136	
Isopropylbenzene (Cumene)	ug/L	50	60.0	120	70-140	
m&p-Xylene	ug/L	100	116	116	70-138	
Methyl-tert-butyl ether	ug/L	50	47.9	96	66-138	
Methylene Chloride	ug/L	50	48.3	97	70-130	
o-Xylene	ug/L	50	54.6	109	70-134	
Styrene	ug/L	50	57.7	115	70-133	
Tetrachloroethene	ug/L	50	51.8	104	70-138	
Toluene	ug/L	50	54.9	110	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.0	104	70-131	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	69-130	
Trichloroethene	ug/L	50	56.1	112	70-130	
Trichlorofluoromethane	ug/L	50	50.4	101	50-150	
Vinyl chloride	ug/L	50	49.8	100	49-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1343735 1343736

Parameter	Units	MS 40132990027		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.5	49.2	99	98	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	53.2	50.9	106	102	67-130	5	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.7	50.1	97	100	70-130	3	20		
1,1-Dichloroethane	ug/L	0.57J	50	50	49.7	49.2	98	97	70-134	1	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	44.8	42.9	89	85	68-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.0	47.2	93	94	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.9	47.3	94	95	50-150	1	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

Parameter	Units	40132990027		1343735		1343736		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	49.5	49.0	99	98	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.2	51.4	102	103	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	49.3	49.1	99	98	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	55.2	53.4	110	107	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.8	50.8	102	102	70-131	0	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.9	103	104	70-130	1	20		
Benzene	ug/L	<0.50	50	50	51.8	51.1	104	102	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	52.2	51.1	104	102	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	42.4	41.8	85	84	70-130	1	20		
Bromomethane	ug/L	<2.4	50	50	42.7	47.7	85	95	33-130	11	27		
Carbon tetrachloride	ug/L	<0.50	50	50	52.3	50.8	105	102	70-138	3	20		
Chlorobenzene	ug/L	<0.50	50	50	51.5	51.5	103	103	70-130	0	20		
Chloroethane	ug/L	0.72J	50	50	49.1	49.6	97	98	51-130	1	20		
Chloroform	ug/L	<2.5	50	50	51.5	50.9	103	102	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	40.0	38.9	80	78	25-132	3	20		
cis-1,2-Dichloroethene	ug/L	2.3	50	50	45.7	47.5	87	90	61-140	4	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	50.6	47.7	101	95	70-130	6	20		
Dibromochloromethane	ug/L	<0.50	50	50	46.5	47.0	93	94	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	37.3	34.9	75	70	23-130	6	20		
Ethylbenzene	ug/L	<0.50	50	50	49.7	49.8	99	100	70-138	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.2	54.2	106	108	70-152	2	20		
m&p-Xylene	ug/L	<1.0	100	100	84.5	84.3	84	84	70-140	0	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	48.4	48.6	97	97	66-139	1	20		
Methylene Chloride	ug/L	<0.23	50	50	47.6	48.1	95	96	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	40.4	40.7	81	81	70-134	1	20		
Styrene	ug/L	<0.50	50	50	23.6	22.4	47	45	70-138	5	20	M1	
Tetrachloroethene	ug/L	<0.50	50	50	49.1	49.4	98	99	70-148	1	20		
Toluene	ug/L	<0.50	50	50	49.8	49.6	99	98	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	0.66J	50	50	50.3	49.3	99	97	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	47.7	47.3	95	95	69-130	1	20		
Trichloroethene	ug/L	2.1	50	50	57.7	56.1	111	108	70-131	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	48.8	48.1	98	96	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	46.4	42.6	93	85	49-133	9	20		
4-Bromofluorobenzene (S)	%						98	105	70-130				
Dibromofluoromethane (S)	%						101	99	70-130				
Toluene-d8 (S)	%						98	97	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

QC Batch: MSV/33797

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Oxygenates

Associated Lab Samples: 40132990039, 40132990040, 40132990041

METHOD BLANK: 1345586

Matrix: Water

Associated Lab Samples: 40132990039, 40132990040, 40132990041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/06/16 08:01	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/06/16 08:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/06/16 08:01	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/06/16 08:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/06/16 08:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/06/16 08:01	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/06/16 08:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/06/16 08:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/06/16 08:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/06/16 08:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/06/16 08:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/06/16 08:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/06/16 08:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/06/16 08:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/06/16 08:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/06/16 08:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/06/16 08:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/06/16 08:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/06/16 08:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/06/16 08:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/06/16 08:01	
2-Butanone (MEK)	ug/L	<3.0	20.0	06/06/16 08:01	
2-Chlorotoluene	ug/L	<0.50	1.0	06/06/16 08:01	
2-Propanol	ug/L	<24.3	250	06/06/16 08:01	
4-Chlorotoluene	ug/L	<0.21	1.0	06/06/16 08:01	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	06/06/16 08:01	
Acetone	ug/L	<3.0	20.0	06/06/16 08:01	
Benzene	ug/L	<0.50	1.0	06/06/16 08:01	
Bromobenzene	ug/L	<0.23	1.0	06/06/16 08:01	
Bromochloromethane	ug/L	<0.34	1.0	06/06/16 08:01	
Bromodichloromethane	ug/L	<0.50	1.0	06/06/16 08:01	
Bromoform	ug/L	<0.50	1.0	06/06/16 08:01	
Bromomethane	ug/L	<2.4	5.0	06/06/16 08:01	
Carbon tetrachloride	ug/L	<0.50	1.0	06/06/16 08:01	
Chlorobenzene	ug/L	<0.50	1.0	06/06/16 08:01	
Chloroethane	ug/L	<0.37	1.0	06/06/16 08:01	
Chloroform	ug/L	<2.5	5.0	06/06/16 08:01	
Chloromethane	ug/L	<0.50	1.0	06/06/16 08:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/06/16 08:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/06/16 08:01	
Dibromochloromethane	ug/L	<0.50	1.0	06/06/16 08:01	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40132990

METHOD BLANK: 1345586 Matrix: Water
Associated Lab Samples: 40132990039, 40132990040, 40132990041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	06/06/16 08:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/06/16 08:01	
Diisopropyl ether	ug/L	<0.50	1.0	06/06/16 08:01	
Ethylbenzene	ug/L	<0.50	1.0	06/06/16 08:01	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/06/16 08:01	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/06/16 08:01	
m&p-Xylene	ug/L	<1.0	2.0	06/06/16 08:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/06/16 08:01	
Methylene Chloride	ug/L	<0.23	1.0	06/06/16 08:01	
n-Butylbenzene	ug/L	<0.50	1.0	06/06/16 08:01	
n-Propylbenzene	ug/L	<0.50	1.0	06/06/16 08:01	
Naphthalene	ug/L	<2.5	5.0	06/06/16 08:01	
o-Xylene	ug/L	<0.50	1.0	06/06/16 08:01	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/06/16 08:01	
sec-Butylbenzene	ug/L	<2.2	5.0	06/06/16 08:01	
Styrene	ug/L	<0.50	1.0	06/06/16 08:01	
tert-Butylbenzene	ug/L	<0.18	1.0	06/06/16 08:01	
Tetrachloroethene	ug/L	<0.50	1.0	06/06/16 08:01	
Toluene	ug/L	<0.50	1.0	06/06/16 08:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/06/16 08:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/06/16 08:01	
Trichloroethene	ug/L	<0.33	1.0	06/06/16 08:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/06/16 08:01	
Vinyl chloride	ug/L	<0.18	1.0	06/06/16 08:01	
4-Bromofluorobenzene (S)	%	93	70-130	06/06/16 08:01	
Dibromofluoromethane (S)	%	93	70-130	06/06/16 08:01	
Toluene-d8 (S)	%	102	70-130	06/06/16 08:01	

LABORATORY CONTROL SAMPLE: 1345587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.5	91	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	67-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	43.3	87	70-133	
1,1-Dichloroethene	ug/L	50	40.4	81	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.2	82	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.9	94	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dichloroethane	ug/L	50	44.0	88	70-130	
1,2-Dichloropropane	ug/L	50	48.1	96	70-130	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	47.5	95	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40132990

LABORATORY CONTROL SAMPLE: 1345587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.9	88	60-135	
Bromodichloromethane	ug/L	50	47.7	95	70-130	
Bromoform	ug/L	50	48.6	97	70-130	
Bromomethane	ug/L	50	21.4	43	33-130	
Carbon tetrachloride	ug/L	50	46.3	93	70-138	
Chlorobenzene	ug/L	50	50.0	100	70-130	
Chloroethane	ug/L	50	39.8	80	51-130	
Chloroform	ug/L	50	44.4	89	70-130	
Chloromethane	ug/L	50	26.9	54	25-132	
cis-1,2-Dichloroethene	ug/L	50	42.9	86	69-130	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dichlorodifluoromethane	ug/L	50	17.2	34	23-130	
Ethylbenzene	ug/L	50	50.7	101	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	70-140	
m&p-Xylene	ug/L	100	107	107	70-138	
Methyl-tert-butyl ether	ug/L	50	44.9	90	66-138	
Methylene Chloride	ug/L	50	41.9	84	70-130	
o-Xylene	ug/L	50	51.3	103	70-134	
Styrene	ug/L	50	52.8	106	70-133	
Tetrachloroethene	ug/L	50	48.0	96	70-138	
Toluene	ug/L	50	50.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.0	86	70-131	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	69-130	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	40.1	80	50-150	
Vinyl chloride	ug/L	50	31.0	62	49-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1345664 1345665

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40133094001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<1.0	50	50	45.5	45.8	91	92	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50.0	50.7	100	101	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	50.3	51.7	101	103	70-130	3	20	
1,1-Dichloroethane	ug/L	<1.0	50	50	44.5	44.1	89	88	70-134	1	20	
1,1-Dichloroethene	ug/L	<1.0	50	50	40.9	40.7	82	81	68-136	0	20	
1,2,4-Trichlorobenzene	ug/L	<5.0	50	50	41.8	42.3	84	85	62-139	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	50	50	47.5	48.7	95	97	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	52.8	54.9	106	110	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	49.4	49.0	99	98	70-130	1	20	

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: 55929.005 WRR

Pace Project No.: 40132990

Parameter	Units	1345664		1345665		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40133094001 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result								
1,2-Dichloroethane	ug/L	<1.0	50	50	45.8	45.7	92	91	70-130	0	20		
1,2-Dichloropropane	ug/L	<1.0	50	50	49.0	49.5	98	99	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.4	48.0	94	96	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<1.0	50	50	46.6	47.6	93	95	70-130	2	20		
Benzene	ug/L	<1.0	50	50	44.8	45.2	90	90	57-138	1	20		
Bromodichloromethane	ug/L	<1.0	50	50	49.8	49.8	100	100	70-130	0	20		
Bromoform	ug/L	<1.0	50	50	51.8	52.7	104	105	70-130	2	20		
Bromomethane	ug/L	<5.0	50	50	25.5	26.5	51	53	33-130	4	27		
Carbon tetrachloride	ug/L	<1.0	50	50	47.1	47.1	94	94	70-138	0	20		
Chlorobenzene	ug/L	<1.0	50	50	50.0	49.7	100	99	70-130	1	20		
Chloroethane	ug/L	<1.0	50	50	43.6	40.6	87	81	51-130	7	20		
Chloroform	ug/L	<5.0	50	50	44.9	45.3	90	91	70-130	1	20		
Chloromethane	ug/L	<1.0	50	50	26.3	26.7	53	53	25-132	2	20		
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	44.5	45.1	89	90	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	47.5	47.8	95	96	70-130	1	20		
Dibromochloromethane	ug/L	<1.0	50	50	51.7	52.6	103	105	70-130	2	20		
Dichlorodifluoromethane	ug/L	<1.0	50	50	17.8	17.3	36	35	23-130	3	20		
Ethylbenzene	ug/L	<1.0	50	50	51.7	51.0	103	102	70-138	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	52.5	53.1	105	106	70-152	1	20		
m&p-Xylene	ug/L	<2.0	100	100	108	108	108	108	70-140	1	20		
Methyl-tert-butyl ether	ug/L	<1.0	50	50	46.9	47.3	94	95	66-139	1	20		
Methylene Chloride	ug/L	<1.0	50	50	42.8	43.4	86	87	70-130	2	20		
o-Xylene	ug/L	<1.0	50	50	52.0	52.3	104	105	70-134	1	20		
Styrene	ug/L	<1.0	50	50	52.6	52.0	105	104	70-138	1	20		
Tetrachloroethene	ug/L	<1.0	50	50	50.1	49.3	100	99	70-148	2	20		
Toluene	ug/L	<1.0	50	50	51.4	51.2	103	102	70-130	0	20		
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	43.0	44.2	86	88	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	47.0	50.0	94	100	69-130	6	20		
Trichloroethene	ug/L	<1.0	50	50	48.5	48.9	97	98	70-131	1	20		
Trichlorofluoromethane	ug/L	<1.0	50	50	40.7	40.6	81	81	50-150	0	20		
Vinyl chloride	ug/L	<1.0	50	50	32.7	32.5	65	65	49-133	1	20		
4-Bromofluorobenzene (S)	%						103	101	70-130				
Dibromofluoromethane (S)	%						96	97	70-130				
Toluene-d8 (S)	%						103	104	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40132990

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40132990

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40132990001	W-3	EPA 8260	MSV/33727		
40132990002	W-4	EPA 8260	MSV/33727		
40132990003	W-17	EPA 8260	MSV/33727		
40132990004	W-17A	EPA 8260	MSV/33727		
40132990005	W-17B	EPA 8260	MSV/33727		
40132990006	W-18	EPA 8260	MSV/33727		
40132990007	W-18A	EPA 8260	MSV/33728		
40132990008	W-18A DUP	EPA 8260	MSV/33728		
40132990009	W-19R	EPA 8260	MSV/33728		
40132990010	W-22	EPA 8260	MSV/33728		
40132990011	W-27	EPA 8260	MSV/33728		
40132990012	W-28	EPA 8260	MSV/33728		
40132990013	W-29	EPA 8260	MSV/33728		
40132990014	MW-106	EPA 8260	MSV/33728		
40132990015	MW-106A	EPA 8260	MSV/33728		
40132990016	MW-111	EPA 8260	MSV/33728		
40132990017	MW-111A	EPA 8260	MSV/33728		
40132990018	MW-111B	EPA 8260	MSV/33728		
40132990019	MW-112	EPA 8260	MSV/33728		
40132990020	MW-112A	EPA 8260	MSV/33728		
40132990021	MW-112B	EPA 8260	MSV/33728		
40132990022	MW-114	EPA 8260	MSV/33728		
40132990023	MW-114A	EPA 8260	MSV/33728		
40132990024	MW-114B	EPA 8260	MSV/33728		
40132990025	MW-115	EPA 8260	MSV/33728		
40132990026	MW-115A	EPA 8260	MSV/33728		
40132990027	MW-115B	EPA 8260	MSV/33731		
40132990028	MW-116	EPA 8260	MSV/33731		
40132990029	TRIP BLANK	EPA 8260	MSV/33731		
40132990030	DRINKING WATER	EPA 8260	MSV/33731		
40132990031	W-20	EPA 8260	MSV/33731		
40132990032	W-26	EPA 8260	MSV/33731		
40132990033	W-30A	EPA 8260	MSV/33731		
40132990034	W-30B	EPA 8260	MSV/33731		
40132990035	FIELD BLANK	EPA 8260	MSV/33731		
40132990036	RW-7	EPA 8260	MSV/33731		
40132990037	RW-6	EPA 8260	MSV/33731		
40132990038	FIELD METHOD BLANK	EPA 8260	MSV/33731		
40132990039	S2N	EPA 8260	MSV/33797		
40132990040	S7N	EPA 8260	MSV/33797		
40132990041	S8N	EPA 8260	MSV/33797		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Anthony Miller
 Phone: 608-836-1500
 Project Number: 55929005
 Project Name: WRR
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne

Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	W-3	5-24-16	16:35	GW
002	W-4		15:45	
003	W-17		10:15	
004	W-17A		10:35	
005	W-17B		10:45	
006	W-18		13:25	
007	W-18A		13:30	
008	W-18A dup		"	
009	W-19R		14:20	
010	W-22		18:55	
011	W-27		9:05	
012	W-28		11:15	
013	W-29	5-24	11:00	



MM

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)	Y/N	Pick Letter	Analysis Requested
	N	B	NOGS 8260
			3
			2

Quote #: Pace 2016
 Mail To Contact: Anthony Miller
 Mail To Company: Gannett Fleming
 Mail To Address: 8025 Excelsior Dr, Madison, WI 53717
 Invoice To Contact: See mail to
 Invoice To Company: "
 Invoice To Address: "
 Invoice To Phone: 608-836-1500
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml vB
2-40ml vB
3-40ml vB
 Profile #: _____

Page 12 of 116

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: <u>Chelsea Payne</u>	Date/Time: <u>5-25-16 10:00</u>
Relinquished By: <u>Dunham</u>	Date/Time: <u>5-27-16 0730</u>
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____

Received By: _____	Date/Time: _____
Received By: <u>Susant Ugly</u>	Date/Time: <u>5-27-16 0730</u>
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

PACE Project No. 40132990
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present (Not Present)
 Intact / Not Intact Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location:
 Project Contact: See
 Phone:
 Project Number: 55929.005
 Project Name: WRR
 Project State:
 Sampled By (Print): pg 1
 Sampled By (Sign):



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested														
N	B	VOCs 8260														

Quote #:
 Mail To Contact:
 Mail To Company: See
 Mail To Address:
 Invoice To Contact: pg 1
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD
 On your sample (billable)
 NOT needed on your sample
Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested
		DATE	TIME		
014	MW-106	5-24-16	9:30	GW	3
015	MW-106A		9:50		1
016	MW-111		9:10		1
017	MW-111A		8:55		
018	MW-111B		9:15		2
019	MW-112		9:40		
020	MW-112A		9:50		
021	MW-112B		10:15		
022	MW-114		13:35		
023	MW-114A		13:50		
024	MW-114B		13:55		
025	MW-115	√	13:20		
026	MW-115A	5-24	14:40	√	√

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Dunham Date/Time: 5-27-16 0730
 Received By: Susan K. Nylund Date/Time: 5-27-16 0730

Relinquished By: Date/Time:
 Received By: Date/Time:
 Relinquished By: Date/Time:
 Received By: Date/Time:
 Relinquished By: Date/Time:
 Received By: Date/Time:

PACE Project No. 40132990
 Receipt Temp = 20.7 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location:
 Project Contact: See
 Phone:
 Project Number: 5529.005
 Project Name: WRR
 Project State:
 Sampled By (Print): pg I
 Sampled By (Sign):



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y / N	Pick Letter	Analyses Requested																			
	B	VC's 8260																			

Quote #:
 Mail To Contact:
 Mail To Company: See pg I
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

3-40 ml v B
2-40 ml v B

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested
		DATE	TIME		
027	MW-115B	5:24	14:50	GW	x
028	MW-116	↓	12:50	↓	↓
029	Trip Blank	↓		↓	↓
030	Drinking Water	"	7:10	"	↓
031	W-20		16:00		
032	W-26		15:00		
033	W-30A		16:55		
034	W-30B		16:45		
035	Field Blank		7:30		
036	RW-7		15:15		
037	RW-6		14:15		
038	Method Blank		13:30		
039	S2N	✓	8:10	↓	↓

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:
 Email #2:
 Telephone:
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Durham Date/Time: 5-27-10 0730
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: Susankulshi Date/Time: 0730
 Received By: Paul Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. 40132990
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / (Not Present)
 Intact / Not Intact

(Please Print Clearly)

Company Name: Gannett Fleming

Branch/Location:

Project Contact: See

Phone:

Project Number: 55929005

Project Name: WRR

Project State:

Sampled By (Print): POJ

Sampled By (Sign):

PO #:

Regulatory Program:



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
<u>2</u>	<u>B</u>	<u>NOL 58260</u>

Quote #:

Mail To Contact: See

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	<u>3-40ml VB</u>	
	↓	

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air W = Water
B = Biota DW = Drinking Water
C = Charcoal GW = Ground Water
O = Oil SW = Surface Water
S = Soil WW = Waste Water
SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
<u>040</u>	<u>57N</u>	<u>5-21-16</u>	<u>8:25</u>	<u>GW</u>			<u>3</u>
<u>041</u>	<u>58N</u>	<u>"</u>	<u>8:35</u>	<u>"</u>			<u>"</u>

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Relinquished By:	Date/Time:	Received By:	Date/Time:
<u>Dunham</u>	<u>5-27-16 0730</u>	<u>Suzanne Wylie</u>	<u>5-27-16 0730</u>

Email #1:

Email #2:

Telephone:

Fax:

Samples on HOLD are subject to special pricing and release of liability

PACE Project No. 40132990

Receipt Temp = 1207 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Garnett Fleming Project #: _____

WO#: **40132990**

Courier: Fed Ex UPS Client Pace Other: Dunbar
Tracking #: 1172592



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: ROI / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 5-27-16
Initials: SW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>only page 1</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>SW</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>005 - 2 vials mm52716</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: ANA for DM Date: 5/27/16

Landfill Name: 55929.005 WRR

Pace Analytical Services, Inc.

License Number: 04234

DNR Exceedance Summary

Report Period: 160501

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/25/2016	103	77093	148	ug/L	ES		132917003	W-1A	02	cis-1,2-Dichloroethene	7	70
5/25/2016	103	77093	134	ug/L	ES		132917002	W-1A	01	cis-1,2-Dichloroethene	7	70
5/25/2016	103	39175	273	ug/L	ES		132917002	W-1A	01	Vinyl chloride	0.02	0.2
5/25/2016	103	39175	301	ug/L	ES		132917003	W-1A	02	Vinyl chloride	0.02	0.2
5/25/2016	109	77093	14.7	ug/L	PAL		132917004	W-1D	01	cis-1,2-Dichloroethene	7	70
5/25/2016	109	78113	164	ug/L	PAL		132917004	W-1D	01	Ethylbenzene	140	700
5/25/2016	109	39175	10.9	ug/L	ES		132917004	W-1D	01	Vinyl chloride	0.02	0.2
5/25/2016	109	81551	426	ug/L	PAL		132917004	W-1D	01	Xylene (Total)	400	2000
5/25/2016	112	34475	31	ug/L	ES		132917005	W-2	01	Tetrachloroethene	0.5	5
5/25/2016	112	39180	3.3	ug/L	PAL		132917005	W-2	01	Trichloroethene	0.5	5
5/25/2016	118	34475	1.1	ug/L	PAL		132917007	W-2B	01	Tetrachloroethene	0.5	5
5/25/2016	133	34501	J 0.76	ug/L	PAL		132917010	W-5	01	1,1-Dichloroethene	0.7	7
5/25/2016	133	34475	1.4	ug/L	PAL		132917010	W-5	01	Tetrachloroethene	0.5	5
5/25/2016	133	39180	J 0.82	ug/L	PAL		132917010	W-5	01	Trichloroethene	0.5	5
5/25/2016	139	34475	10.9	ug/L	ES		132917011	W-7	01	Tetrachloroethene	0.5	5
5/25/2016	139	39180	1	ug/L	PAL		132917011	W-7	01	Trichloroethene	0.5	5
5/25/2016	142	34475	132	ug/L	ES		132917012	W-7A	01	Tetrachloroethene	0.5	5
5/25/2016	142	39180	1.9	ug/L	PAL		132917012	W-7A	01	Trichloroethene	0.5	5
5/24/2016	172	34030	J 6.7	ug/L	ES		132990004	W-17A	01	Benzene	0.5	5
5/24/2016	172	34311	903	ug/L	ES		132990004	W-17A	01	Chloroethane	80	400
5/24/2016	172	34546	60.9	ug/L	PAL		132990004	W-17A	01	trans-1,2-Dichloroethene	20	100
5/24/2016	175	39180	J 0.77	ug/L	PAL		132990005	W-17B	01	Trichloroethene	0.5	5
5/24/2016	181	32103	J 1.4	ug/L	PAL		132990008	W-18A	02	1,2-Dichloroethane	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/24/2016	181	32103	J 0.8	ug/L	PAL		132990007	W-18A	01	1,2-Dichloroethane	0.5	5
5/24/2016	181	34030	1.7	ug/L	PAL		132990007	W-18A	01	Benzene	0.5	5
5/24/2016	181	34030	3.2	ug/L	PAL		132990008	W-18A	02	Benzene	0.5	5
5/24/2016	181	78113	225	ug/L	PAL		132990008	W-18A	02	Ethylbenzene	140	700
5/24/2016	181	34423	J 0.73	ug/L	PAL		132990007	W-18A	01	Methylene Chloride	0.5	5
5/24/2016	181	34423	J 0.95	ug/L	PAL		132990008	W-18A	02	Methylene Chloride	0.5	5
5/24/2016	181	39175	J 1	ug/L	ES		132990007	W-18A	01	Vinyl chloride	0.02	0.2
5/24/2016	181	39175	J 1.2	ug/L	ES		132990008	W-18A	02	Vinyl chloride	0.02	0.2
5/24/2016	181	81551	712	ug/L	PAL		132990008	W-18A	02	Xylene (Total)	400	2000
5/24/2016	185	32103	115	ug/L	ES		132990009	W-19R	01	1,2-Dichloroethane	0.5	5
5/24/2016	185	81595	J 878	ug/L	PAL		132990009	W-19R	01	2-Butanone (MEK)	800	4000
5/24/2016	185	78133	7410	ug/L	ES		132990009	W-19R	01	4-Methyl-2-pentanone (MIBK)	50	500
5/24/2016	185	81552	2940	ug/L	PAL		132990009	W-19R	01	Acetone	1800	9000
5/24/2016	185	34030	104	ug/L	ES		132990009	W-19R	01	Benzene	0.5	5
5/24/2016	185	34311	313	ug/L	PAL		132990009	W-19R	01	Chloroethane	80	400
5/24/2016	185	34010	9790	ug/L	ES		132990009	W-19R	01	Toluene	160	800
5/24/2016	187	32103	1.4	ug/L	PAL		132990031	W-20	01	1,2-Dichloroethane	0.5	5
5/24/2016	187	77093	13	ug/L	PAL		132990031	W-20	01	cis-1,2-Dichloroethene	7	70
5/24/2016	187	34475	2.5	ug/L	PAL		132990031	W-20	01	Tetrachloroethene	0.5	5
5/24/2016	187	39180	8.9	ug/L	ES		132990031	W-20	01	Trichloroethene	0.5	5
5/24/2016	187	39175	3.9	ug/L	ES		132990031	W-20	01	Vinyl chloride	0.02	0.2
5/24/2016	193	34501	6.7	ug/L	PAL		132990010	W-22	01	1,1-Dichloroethene	0.7	7
5/24/2016	193	77093	56.5	ug/L	PAL		132990010	W-22	01	cis-1,2-Dichloroethene	7	70

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/24/2016	193	34475	J 0.67	ug/L	PAL		132990010	W-22	01	Tetrachloroethene	0.5	5
5/24/2016	193	39180	3.6	ug/L	PAL		132990010	W-22	01	Trichloroethene	0.5	5
5/24/2016	193	39175	50.1	ug/L	ES		132990010	W-22	01	Vinyl chloride	0.02	0.2
5/24/2016	205	77093	8.3	ug/L	PAL		132990032	W-26	01	cis-1,2-Dichloroethene	7	70
5/24/2016	205	39180	19.6	ug/L	ES		132990032	W-26	01	Trichloroethene	0.5	5
5/24/2016	205	39175	2.6	ug/L	ES		132990032	W-26	01	Vinyl chloride	0.02	0.2
5/24/2016	208	34501	J 0.78	ug/L	PAL		132990011	W-27	01	1,1-Dichloroethene	0.7	7
5/24/2016	208	39180	5.2	ug/L	ES		132990011	W-27	01	Trichloroethene	0.5	5
5/24/2016	208	39175	2.1	ug/L	ES		132990011	W-27	01	Vinyl chloride	0.02	0.2
5/25/2016	223	32103	J 135	ug/L	ES		132917013	W-31A	01	1,2-Dichloroethane	0.5	5
5/25/2016	223	81595	26200	ug/L	ES		132917013	W-31A	01	2-Butanone (MEK)	800	4000
5/25/2016	223	78133	7540	ug/L	ES		132917013	W-31A	01	4-Methyl-2-pentanone (MIBK)	50	500
5/25/2016	223	81552	61800	ug/L	ES		132917013	W-31A	01	Acetone	1800	9000
5/25/2016	223	34311	1850	ug/L	ES		132917013	W-31A	01	Chloroethane	80	400
5/25/2016	223	78113	1320	ug/L	ES		132917013	W-31A	01	Ethylbenzene	140	700
5/25/2016	223	34010	33900	ug/L	ES		132917013	W-31A	01	Toluene	160	800
5/25/2016	223	81551	5070	ug/L	ES		132917013	W-31A	01	Xylene (Total)	400	2000
5/25/2016	226	34475	9.1	ug/L	ES		132917014	W-31B	01	Tetrachloroethene	0.5	5
5/25/2016	226	34475	8.9	ug/L	ES		132917017	W-31B	02	Tetrachloroethene	0.5	5
5/24/2016	360	32103	21.8	ug/L	ES		132990017	MW-111A	01	1,2-Dichloroethane	0.5	5
5/24/2016	360	34541	2.5	ug/L	PAL		132990017	MW-111A	01	1,2-Dichloropropane	0.5	5
5/24/2016	360	34030	2.2	ug/L	PAL		132990017	MW-111A	01	Benzene	0.5	5
5/24/2016	360	34311	259	ug/L	PAL		132990017	MW-111A	01	Chloroethane	80	400

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/24/2016	360	39175	J 0.52	ug/L	ES		132990017	MW-111A	01	Vinyl chloride	0.02	0.2
5/24/2016	363	32103	4.3	ug/L	PAL		132990018	MW-111B	01	1,2-Dichloroethane	0.5	5
5/24/2016	363	34541	J 0.92	ug/L	PAL		132990018	MW-111B	01	1,2-Dichloropropane	0.5	5
5/24/2016	363	39175	4.2	ug/L	ES		132990018	MW-111B	01	Vinyl chloride	0.02	0.2
5/24/2016	384	39180	1.6	ug/L	PAL		132990022	MW-114	01	Trichloroethene	0.5	5
5/24/2016	387	34475	13.4	ug/L	ES		132990023	MW-114A	01	Tetrachloroethene	0.5	5
5/24/2016	387	39180	4.2	ug/L	PAL		132990023	MW-114A	01	Trichloroethene	0.5	5
5/24/2016	387	39175	J 0.23	ug/L	ES		132990023	MW-114A	01	Vinyl chloride	0.02	0.2
5/24/2016	393	34501	J 8.4	ug/L	ES		132990025	MW-115	01	1,1-Dichloroethene	0.7	7
5/24/2016	393	32103	83	ug/L	ES		132990025	MW-115	01	1,2-Dichloroethane	0.5	5
5/24/2016	393	34541	J 5.5	ug/L	ES		132990025	MW-115	01	1,2-Dichloropropane	0.5	5
5/24/2016	393	34030	J 8.6	ug/L	ES		132990025	MW-115	01	Benzene	0.5	5
5/24/2016	393	34311	1100	ug/L	ES		132990025	MW-115	01	Chloroethane	80	400
5/24/2016	393	77093	21.9	ug/L	PAL		132990025	MW-115	01	cis-1,2-Dichloroethene	7	70
5/24/2016	393	34423	J 3.1	ug/L	PAL		132990025	MW-115	01	Methylene Chloride	0.5	5
5/24/2016	393	34546	220	ug/L	ES		132990025	MW-115	01	trans-1,2-Dichloroethene	20	100
5/24/2016	393	39175	32.1	ug/L	ES		132990025	MW-115	01	Vinyl chloride	0.02	0.2
5/24/2016	396	34511	5.5	ug/L	ES		132990026	MW-115A	01	1,1,2-Trichloroethane	0.5	5
5/24/2016	396	34496	132	ug/L	PAL		132990026	MW-115A	01	1,1-Dichloroethane	85	850
5/24/2016	396	34501	68.2	ug/L	ES		132990026	MW-115A	01	1,1-Dichloroethene	0.7	7
5/24/2016	396	32103	J 3.3	ug/L	PAL		132990026	MW-115A	01	1,2-Dichloroethane	0.5	5
5/24/2016	396	34541	J 4.3	ug/L	PAL		132990026	MW-115A	01	1,2-Dichloropropane	0.5	5
5/24/2016	396	77093	643	ug/L	ES		132990026	MW-115A	01	cis-1,2-Dichloroethene	7	70

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
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Landfill Name: 55929.005 WRR

Pace Analytical Services, Inc.

License Number: 04234

DNR Exceedance Summary

Report Period: 160501

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/24/2016	396	34546	24	ug/L	PAL		132990026	MW-115A	01	trans-1,2-Dichloroethene	20	100
5/24/2016	396	39180	95.8	ug/L	ES		132990026	MW-115A	01	Trichloroethene	0.5	5
5/24/2016	396	39175	J 4.9	ug/L	ES		132990026	MW-115A	01	Vinyl chloride	0.02	0.2
5/24/2016	399	39180	2.1	ug/L	PAL		132990027	MW-115B	01	Trichloroethene	0.5	5
5/25/2016	404	77222	625	ug/L	ES		132917020	TW-1	01	1,2,4-Trimethylbenzene	96	480
5/25/2016	404	77222	734	ug/L	ES		132917021	TW-1	02	1,2,4-Trimethylbenzene	96	480
5/25/2016	404	77226	250	ug/L	PAL		132917021	TW-1	02	1,3,5-Trimethylbenzene	96	480
5/25/2016	404	77226	178	ug/L	PAL		132917020	TW-1	01	1,3,5-Trimethylbenzene	96	480
5/25/2016	404	77093	J 39.6	ug/L	PAL		132917021	TW-1	02	cis-1,2-Dichloroethene	7	70
5/25/2016	404	77093	42.4	ug/L	PAL		132917020	TW-1	01	cis-1,2-Dichloroethene	7	70
5/25/2016	404	78113	2030	ug/L	ES		132917020	TW-1	01	Ethylbenzene	140	700
5/25/2016	404	78113	2110	ug/L	ES		132917021	TW-1	02	Ethylbenzene	140	700
5/25/2016	404	34010	1780	ug/L	ES		132917021	TW-1	02	Toluene	160	800
5/25/2016	404	34010	1670	ug/L	ES		132917020	TW-1	01	Toluene	160	800
5/25/2016	404	39175	J 45.9	ug/L	ES		132917021	TW-1	02	Vinyl chloride	0.02	0.2
5/25/2016	404	39175	31.1	ug/L	ES		132917020	TW-1	01	Vinyl chloride	0.02	0.2
5/25/2016	404	81551	10400	ug/L	ES		132917021	TW-1	02	Xylene (Total)	400	2000
5/25/2016	404	81551	8820	ug/L	ES		132917020	TW-1	01	Xylene (Total)	400	2000
5/25/2016	503	34506	1220	ug/L	ES		132917023	RW-2	01	1,1,1-Trichloroethane	40	200
5/25/2016	503	34511	11.2	ug/L	ES		132917023	RW-2	01	1,1,2-Trichloroethane	0.5	5
5/25/2016	503	34496	99.8	ug/L	PAL		132917023	RW-2	01	1,1-Dichloroethane	85	850
5/25/2016	503	34501	30.7	ug/L	ES		132917023	RW-2	01	1,1-Dichloroethene	0.7	7
5/25/2016	503	32103	J 5.8	ug/L	ES		132917023	RW-2	01	1,2-Dichloroethane	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/25/2016	503	34541	J 8.9	ug/L	ES		132917023	RW-2	01	1,2-Dichloropropane	0.5	5
5/25/2016	503	78133	260	ug/L	PAL		132917023	RW-2	01	4-Methyl-2-pentanone (MIBK)	50	500
5/25/2016	503	77093	954	ug/L	ES		132917023	RW-2	01	cis-1,2-Dichloroethene	7	70
5/25/2016	503	34423	12	ug/L	ES		132917023	RW-2	01	Methylene Chloride	0.5	5
5/25/2016	503	34475	41.9	ug/L	ES		132917023	RW-2	01	Tetrachloroethene	0.5	5
5/25/2016	503	34010	188	ug/L	PAL		132917023	RW-2	01	Toluene	160	800
5/25/2016	503	39180	27	ug/L	ES		132917023	RW-2	01	Trichloroethene	0.5	5
5/25/2016	503	39175	13.1	ug/L	ES		132917023	RW-2	01	Vinyl chloride	0.02	0.2
5/25/2016	509	34423	J 1.4	ug/L	PAL		132917024	RW-4	01	Methylene Chloride	0.5	5
5/25/2016	512	34496	120	ug/L	PAL		132917025	RW-5	01	1,1-Dichloroethane	85	850
5/25/2016	512	32103	J 0.66	ug/L	PAL		132917025	RW-5	01	1,2-Dichloroethane	0.5	5
5/25/2016	512	77093	10	ug/L	PAL		132917025	RW-5	01	cis-1,2-Dichloroethene	7	70
5/25/2016	512	34423	2.3	ug/L	PAL		132917025	RW-5	01	Methylene Chloride	0.5	5
5/25/2016	512	39175	6.2	ug/L	ES		132917025	RW-5	01	Vinyl chloride	0.02	0.2
5/24/2016	515	78133	1030	ug/L	ES		132990037	RW-6	01	4-Methyl-2-pentanone (MIBK)	50	500
5/24/2016	515	81552	3740	ug/L	PAL		132990037	RW-6	01	Acetone	1800	9000
5/24/2016	515	34311	273	ug/L	PAL		132990037	RW-6	01	Chloroethane	80	400
5/24/2016	515	77093	J 39.3	ug/L	PAL		132990037	RW-6	01	cis-1,2-Dichloroethene	7	70
5/24/2016	515	78113	978	ug/L	ES		132990037	RW-6	01	Ethylbenzene	140	700
5/24/2016	515	34010	11100	ug/L	ES		132990037	RW-6	01	Toluene	160	800
5/24/2016	515	39175	J 43.3	ug/L	ES		132990037	RW-6	01	Vinyl chloride	0.02	0.2
5/24/2016	515	81551	3100	ug/L	ES		132990037	RW-6	01	Xylene (Total)	400	2000
5/24/2016	518	34030	10.8	ug/L	ES		132990036	RW-7	01	Benzene	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Landfill Name: 55929.005 WRR

Pace Analytical Services, Inc.

License Number: 04234

DNR Exceedance Summary

Report Period: 160501

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/24/2016	518	77093	7.9	ug/L	PAL		132990036	RW-7	01	cis-1,2-Dichloroethene	7	70
5/24/2016	518	78113	262	ug/L	PAL		132990036	RW-7	01	Ethylbenzene	140	700
5/24/2016	518	39180	J 3.2	ug/L	PAL		132990036	RW-7	01	Trichloroethene	0.5	5
5/24/2016	518	39175	8.3	ug/L	ES		132990036	RW-7	01	Vinyl chloride	0.02	0.2
5/24/2016	518	81551	433	ug/L	PAL		132990036	RW-7	01	Xylene (Total)	400	2000
5/25/2016	521	81595	1340	ug/L	PAL		132917026	RW-8	01	2-Butanone (MEK)	800	4000
5/25/2016	521	81552	3340	ug/L	PAL		132917026	RW-8	01	Acetone	1800	9000
5/25/2016	524	34423	1.1	ug/L	PAL		132917027	RW-9	01	Methylene Chloride	0.5	5
5/25/2016	524	39180	1.3	ug/L	PAL		132917027	RW-9	01	Trichloroethene	0.5	5
5/25/2016	527	34506	831	ug/L	ES		132917028	RW-10	01	1,1,1-Trichloroethane	40	200
5/25/2016	527	81595	78400	ug/L	ES		132917028	RW-10	01	2-Butanone (MEK)	800	4000
5/25/2016	527	78133	J 1550	ug/L	ES		132917028	RW-10	01	4-Methyl-2-pentanone (MIBK)	50	500
5/25/2016	527	81552	64900	ug/L	ES		132917028	RW-10	01	Acetone	1800	9000
5/25/2016	527	77093	J 276	ug/L	ES		132917028	RW-10	01	cis-1,2-Dichloroethene	7	70
5/25/2016	527	78113	571	ug/L	PAL		132917028	RW-10	01	Ethylbenzene	140	700
5/25/2016	527	34423	J 463	ug/L	ES		132917028	RW-10	01	Methylene Chloride	0.5	5
5/25/2016	527	34010	14000	ug/L	ES		132917028	RW-10	01	Toluene	160	800
5/25/2016	527	39180	589	ug/L	ES		132917028	RW-10	01	Trichloroethene	0.5	5
5/25/2016	527	81551	2570	ug/L	ES		132917028	RW-10	01	Xylene (Total)	400	2000
5/25/2016	530	34506	612	ug/L	ES		132917030	RW-11	01	1,1,1-Trichloroethane	40	200
5/25/2016	530	34496	266	ug/L	PAL		132917030	RW-11	01	1,1-Dichloroethane	85	850
5/25/2016	530	77222	229	ug/L	PAL		132917030	RW-11	01	1,2,4-Trimethylbenzene	96	480
5/25/2016	530	34541	J 13.3	ug/L	ES		132917030	RW-11	01	1,2-Dichloropropane	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Landfill Name: 55929.005 WRR

Pace Analytical Services, Inc.

License Number: 04234

DNR Exceedance Summary

Page 8 of 8

Report Period: 160501

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
5/25/2016	530	81595	1880	ug/L	PAL		132917030	RW-11	01	2-Butanone (MEK)	800	4000
5/25/2016	530	81552	2030	ug/L	PAL		132917030	RW-11	01	Acetone	1800	9000
5/25/2016	530	77093	2060	ug/L	ES		132917030	RW-11	01	cis-1,2-Dichloroethene	7	70
5/25/2016	530	78113	368	ug/L	PAL		132917030	RW-11	01	Ethylbenzene	140	700
5/25/2016	530	34010	6820	ug/L	ES		132917030	RW-11	01	Toluene	160	800
5/25/2016	530	39175	64	ug/L	ES		132917030	RW-11	01	Vinyl chloride	0.02	0.2
5/25/2016	530	81551	7050	ug/L	ES		132917030	RW-11	01	Xylene (Total)	400	2000
5/24/2016	610	32103	2	ug/L	PAL		132990039	2ND SEEP N	01	1,2-Dichloroethane	0.5	5
5/24/2016	610	34030	J 0.54	ug/L	PAL		132990039	2ND SEEP N	01	Benzene	0.5	5
5/24/2016	610	39175	J 0.49	ug/L	ES		132990039	2ND SEEP N	01	Vinyl chloride	0.02	0.2
5/24/2016	995	39180	J 0.57	ug/L	PAL		132990038	METHOD BLANK	01	Trichloroethene	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Landfill Name: 55929.005 WRR

Pace Analytical Services, LLC.

License Number: 04234

DNR Exceedance Summary

Page 1 of 7

Report Period: 161001

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/4/2016	103	77093	154	ug/L	ES		139605001	W-1A	01	cis-1,2-Dichloroethene	7	70
10/4/2016	103	39175	370	ug/L	ES		139605001	W-1A	01	Vinyl chloride	0.02	0.2
10/4/2016	109	77093	13.6	ug/L	PAL		139605002	W-1D	01	cis-1,2-Dichloroethene	7	70
10/4/2016	109	78113	169	ug/L	PAL		139605002	W-1D	01	Ethylbenzene	140	700
10/4/2016	109	39175	11.3	ug/L	ES		139605002	W-1D	01	Vinyl chloride	0.02	0.2
10/4/2016	133	34475	J 0.81	ug/L	PAL		139605003	W-5	01	Tetrachloroethene	0.5	5
10/4/2016	133	39180	J 0.95	ug/L	PAL		139605003	W-5	01	Trichloroethene	0.5	5
10/5/2016	139	77093	21.3	ug/L	PAL		139605004	W-7	01	cis-1,2-Dichloroethene	7	70
10/5/2016	139	34475	14.2	ug/L	ES		139605004	W-7	01	Tetrachloroethene	0.5	5
10/5/2016	139	39180	2.3	ug/L	PAL		139605004	W-7	01	Trichloroethene	0.5	5
10/5/2016	142	34475	102	ug/L	ES		139605005	W-7A	01	Tetrachloroethene	0.5	5
10/5/2016	142	39180	1.8	ug/L	PAL		139605005	W-7A	01	Trichloroethene	0.5	5
10/4/2016	172	34496	110	ug/L	PAL		139605007	W-17A	02	1,1-Dichloroethane	85	850
10/4/2016	172	34496	109	ug/L	PAL		139605006	W-17A	01	1,1-Dichloroethane	85	850
10/4/2016	172	32103	J 5.6	ug/L	ES		139605006	W-17A	01	1,2-Dichloroethane	0.5	5
10/4/2016	172	32103	J 4.5	ug/L	PAL		139605007	W-17A	02	1,2-Dichloroethane	0.5	5
10/4/2016	172	34030	J 7.7	ug/L	ES		139605006	W-17A	01	Benzene	0.5	5
10/4/2016	172	34030	J 7.7	ug/L	ES		139605007	W-17A	02	Benzene	0.5	5
10/4/2016	172	34311	743	ug/L	ES		139605007	W-17A	02	Chloroethane	80	400
10/4/2016	172	34311	721	ug/L	ES		139605006	W-17A	01	Chloroethane	80	400
10/4/2016	172	34010	535	ug/L	PAL		139605006	W-17A	01	Toluene	160	800
10/4/2016	172	34010	535	ug/L	PAL		139605007	W-17A	02	Toluene	160	800
10/4/2016	172	34546	42.7	ug/L	PAL		139605007	W-17A	02	trans-1,2-Dichloroethene	20	100

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Landfill Name: 55929.005 WRR

Pace Analytical Services, LLC.

License Number: 04234

DNR Exceedance Summary

Page 2 of 7

Report Period: 161001

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/4/2016	172	34546	42.5	ug/L	PAL		139605006	W-17A	01	trans-1,2-Dichloroethene	20	100
10/4/2016	172	39175	J 2.1	ug/L	ES		139605007	W-17A	02	Vinyl chloride	0.02	0.2
10/4/2016	172	39175	J 2.8	ug/L	ES		139605006	W-17A	01	Vinyl chloride	0.02	0.2
10/4/2016	175	39180	J 0.99	ug/L	PAL		139605008	W-17B	01	Trichloroethene	0.5	5
10/4/2016	175	39175	J 0.22	ug/L	ES		139605008	W-17B	01	Vinyl chloride	0.02	0.2
10/4/2016	181	32103	J 1	ug/L	PAL		139605010	W-18A	01	1,2-Dichloroethane	0.5	5
10/4/2016	181	34030	1.8	ug/L	PAL		139605010	W-18A	01	Benzene	0.5	5
10/4/2016	181	34423	1.2	ug/L	PAL		139605010	W-18A	01	Methylene Chloride	0.5	5
10/4/2016	181	39175	1	ug/L	ES		139605010	W-18A	01	Vinyl chloride	0.02	0.2
10/4/2016	185	32103	132	ug/L	ES		139605011	W-19R	01	1,2-Dichloroethane	0.5	5
10/4/2016	185	78133	6570	ug/L	ES		139605011	W-19R	01	4-Methyl-2-pentanone (MIBK)	50	500
10/4/2016	185	34030	131	ug/L	ES		139605011	W-19R	01	Benzene	0.5	5
10/4/2016	185	34311	492	ug/L	ES		139605011	W-19R	01	Chloroethane	80	400
10/4/2016	185	34010	17300	ug/L	ES		139605011	W-19R	01	Toluene	160	800
10/4/2016	193	77093	10.3	ug/L	PAL		139605013	W-22	01	cis-1,2-Dichloroethene	7	70
10/4/2016	193	39180	4.3	ug/L	PAL		139605013	W-22	01	Trichloroethene	0.5	5
10/4/2016	193	39175	6.2	ug/L	ES		139605013	W-22	01	Vinyl chloride	0.02	0.2
10/4/2016	205	32103	J 0.65	ug/L	PAL		139605014	W-26	01	1,2-Dichloroethane	0.5	5
10/4/2016	205	34030	1.2	ug/L	PAL		139605014	W-26	01	Benzene	0.5	5
10/4/2016	205	77093	7.3	ug/L	PAL		139605014	W-26	01	cis-1,2-Dichloroethene	7	70
10/4/2016	205	34010	218	ug/L	PAL		139605014	W-26	01	Toluene	160	800
10/4/2016	205	39180	18.9	ug/L	ES		139605014	W-26	01	Trichloroethene	0.5	5
10/4/2016	205	39175	2.2	ug/L	ES		139605014	W-26	01	Vinyl chloride	0.02	0.2

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Landfill Name: 55929.005 WRR

Pace Analytical Services, LLC.

License Number: 04234

DNR Exceedance Summary

Page 3 of 7

Report Period: 161001

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/4/2016	208	39180	3.9	ug/L	PAL		139605015	W-27	01	Trichloroethene	0.5	5
10/4/2016	208	39175	1.3	ug/L	ES		139605015	W-27	01	Vinyl chloride	0.02	0.2
10/4/2016	223	34496	J 232	ug/L	PAL		139605017	W-31A	01	1,1-Dichloroethane	85	850
10/4/2016	223	32103	J 147	ug/L	ES		139605017	W-31A	01	1,2-Dichloroethane	0.5	5
10/4/2016	223	81595	29600	ug/L	ES		139605017	W-31A	01	2-Butanone (MEK)	800	4000
10/4/2016	223	78133	10900	ug/L	ES		139605017	W-31A	01	4-Methyl-2-pentanone (MIBK)	50	500
10/4/2016	223	81552	86300	ug/L	ES		139605017	W-31A	01	Acetone	1800	9000
10/4/2016	223	34311	943	ug/L	ES		139605017	W-31A	01	Chloroethane	80	400
10/4/2016	223	77093	J 317	ug/L	ES		139605017	W-31A	01	cis-1,2-Dichloroethene	7	70
10/4/2016	223	78113	986	ug/L	ES		139605017	W-31A	01	Ethylbenzene	140	700
10/4/2016	223	34423	J 265	ug/L	ES		139605017	W-31A	01	Methylene Chloride	0.5	5
10/4/2016	223	34010	22800	ug/L	ES		139605017	W-31A	01	Toluene	160	800
10/4/2016	223	81551	3590	ug/L	ES		139605017	W-31A	01	Xylene (Total)	400	2000
10/4/2016	226	34423	J 3.9	ug/L	PAL		139605018	W-31B	01	Methylene Chloride	0.5	5
10/4/2016	226	34010	432	ug/L	PAL		139605018	W-31B	01	Toluene	160	800
10/5/2016	228	34506	8880	ug/L	ES		139605019	W-32	01	1,1,1-Trichloroethane	40	200
10/5/2016	228	34506	8880	ug/L	ES		139605020	W-32	02	1,1,1-Trichloroethane	40	200
10/5/2016	228	34511	J 23.9	ug/L	ES		139605020	W-32	02	1,1,2-Trichloroethane	0.5	5
10/5/2016	228	34511	J 26.7	ug/L	ES		139605019	W-32	01	1,1,2-Trichloroethane	0.5	5
10/5/2016	228	34496	141	ug/L	PAL		139605019	W-32	01	1,1-Dichloroethane	85	850
10/5/2016	228	34496	143	ug/L	PAL		139605020	W-32	02	1,1-Dichloroethane	85	850
10/5/2016	228	34501	373	ug/L	ES		139605019	W-32	01	1,1-Dichloroethene	0.7	7
10/5/2016	228	34501	358	ug/L	ES		139605020	W-32	02	1,1-Dichloroethene	0.7	7

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/5/2016	228	77093	373	ug/L	ES		139605020	W-32	02	cis-1,2-Dichloroethene	7	70
10/5/2016	228	77093	362	ug/L	ES		139605019	W-32	01	cis-1,2-Dichloroethene	7	70
10/5/2016	228	34475	4490	ug/L	ES		139605020	W-32	02	Tetrachloroethene	0.5	5
10/5/2016	228	34475	4500	ug/L	ES		139605019	W-32	01	Tetrachloroethene	0.5	5
10/5/2016	228	39180	7280	ug/L	ES		139605020	W-32	02	Trichloroethene	0.5	5
10/5/2016	228	39180	7360	ug/L	ES		139605019	W-32	01	Trichloroethene	0.5	5
10/4/2016	233	34506	3780	ug/L	ES		139605021	W-33	01	1,1,1-Trichloroethane	40	200
10/4/2016	233	34511	J 23.2	ug/L	ES		139605021	W-33	01	1,1,2-Trichloroethane	0.5	5
10/4/2016	233	34496	3420	ug/L	ES		139605021	W-33	01	1,1-Dichloroethane	85	850
10/4/2016	233	34501	92	ug/L	ES		139605021	W-33	01	1,1-Dichloroethene	0.7	7
10/4/2016	233	32103	J 22.2	ug/L	ES		139605021	W-33	01	1,2-Dichloroethane	0.5	5
10/4/2016	233	34311	235	ug/L	PAL		139605021	W-33	01	Chloroethane	80	400
10/4/2016	233	77093	13600	ug/L	ES		139605021	W-33	01	cis-1,2-Dichloroethene	7	70
10/4/2016	233	34423	106	ug/L	ES		139605021	W-33	01	Methylene Chloride	0.5	5
10/4/2016	233	34475	240	ug/L	ES		139605021	W-33	01	Tetrachloroethene	0.5	5
10/4/2016	233	34010	213	ug/L	PAL		139605021	W-33	01	Toluene	160	800
10/4/2016	233	34546	J 48.2	ug/L	PAL		139605021	W-33	01	trans-1,2-Dichloroethene	20	100
10/4/2016	233	39180	240	ug/L	ES		139605021	W-33	01	Trichloroethene	0.5	5
10/4/2016	233	39175	116	ug/L	ES		139605021	W-33	01	Vinyl chloride	0.02	0.2
10/4/2016	360	32103	30.8	ug/L	ES		139605024	MW-111A	01	1,2-Dichloroethane	0.5	5
10/4/2016	360	34541	J 1.9	ug/L	PAL		139605024	MW-111A	01	1,2-Dichloropropane	0.5	5
10/4/2016	360	34030	J 3.2	ug/L	PAL		139605024	MW-111A	01	Benzene	0.5	5
10/4/2016	360	34311	285	ug/L	PAL		139605024	MW-111A	01	Chloroethane	80	400

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.

MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate

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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/4/2016	363	32103	25.4	ug/L	ES		139605025	MW-111B	01	1,2-Dichloroethane	0.5	5
10/4/2016	363	34541	10.7	ug/L	ES		139605025	MW-111B	01	1,2-Dichloropropane	0.5	5
10/4/2016	363	34311	363	ug/L	PAL		139605025	MW-111B	01	Chloroethane	80	400
10/4/2016	393	34501	J 9	ug/L	ES		139605026	MW-115	01	1,1-Dichloroethene	0.7	7
10/4/2016	393	34501	J 7	ug/L	ES		139605027	MW-115	02	1,1-Dichloroethene	0.7	7
10/4/2016	393	32103	91.8	ug/L	ES		139605026	MW-115	01	1,2-Dichloroethane	0.5	5
10/4/2016	393	32103	89.5	ug/L	ES		139605027	MW-115	02	1,2-Dichloroethane	0.5	5
10/4/2016	393	34541	J 7.2	ug/L	ES		139605026	MW-115	01	1,2-Dichloropropane	0.5	5
10/4/2016	393	34541	J 6	ug/L	ES		139605027	MW-115	02	1,2-Dichloropropane	0.5	5
10/4/2016	393	34030	11	ug/L	ES		139605026	MW-115	01	Benzene	0.5	5
10/4/2016	393	34030	11.2	ug/L	ES		139605027	MW-115	02	Benzene	0.5	5
10/4/2016	393	34311	1290	ug/L	ES		139605026	MW-115	01	Chloroethane	80	400
10/4/2016	393	34311	975	ug/L	ES		139605027	MW-115	02	Chloroethane	80	400
10/4/2016	393	77093	33.3	ug/L	PAL		139605027	MW-115	02	cis-1,2-Dichloroethene	7	70
10/4/2016	393	77093	35.5	ug/L	PAL		139605026	MW-115	01	cis-1,2-Dichloroethene	7	70
10/4/2016	393	34423	J 2.9	ug/L	PAL		139605027	MW-115	02	Methylene Chloride	0.5	5
10/4/2016	393	34423	J 2.7	ug/L	PAL		139605026	MW-115	01	Methylene Chloride	0.5	5
10/4/2016	393	34546	199	ug/L	ES		139605027	MW-115	02	trans-1,2-Dichloroethene	20	100
10/4/2016	393	34546	227	ug/L	ES		139605026	MW-115	01	trans-1,2-Dichloroethene	20	100
10/4/2016	393	39175	48.6	ug/L	ES		139605026	MW-115	01	Vinyl chloride	0.02	0.2
10/4/2016	393	39175	39.4	ug/L	ES		139605027	MW-115	02	Vinyl chloride	0.02	0.2
10/4/2016	396	34511	8.4	ug/L	ES		139605028	MW-115A	01	1,1,2-Trichloroethane	0.5	5
10/4/2016	396	34496	207	ug/L	PAL		139605028	MW-115A	01	1,1-Dichloroethane	85	850

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Landfill Name: 55929.005 WRR

Pace Analytical Services, LLC.

License Number: 04234

DNR Exceedance Summary

Page 6 of 7

Report Period: 161001

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/4/2016	396	34501	105	ug/L	ES		139605028	MW-115A	01	1,1-Dichloroethene	0.7	7
10/4/2016	396	32103	6.2	ug/L	ES		139605028	MW-115A	01	1,2-Dichloroethane	0.5	5
10/4/2016	396	34541	6.9	ug/L	ES		139605028	MW-115A	01	1,2-Dichloropropane	0.5	5
10/4/2016	396	77093	1060	ug/L	ES		139605028	MW-115A	01	cis-1,2-Dichloroethene	7	70
10/4/2016	396	34546	22.2	ug/L	PAL		139605028	MW-115A	01	trans-1,2-Dichloroethene	20	100
10/4/2016	396	39180	103	ug/L	ES		139605028	MW-115A	01	Trichloroethene	0.5	5
10/4/2016	396	39175	5.5	ug/L	ES		139605028	MW-115A	01	Vinyl chloride	0.02	0.2
10/4/2016	399	39180	1.3	ug/L	PAL		139605029	MW-115B	01	Trichloroethene	0.5	5
10/4/2016	404	34496	137	ug/L	PAL		139605030	TW-1	01	1,1-Dichloroethane	85	850
10/4/2016	404	77222	608	ug/L	ES		139605030	TW-1	01	1,2,4-Trimethylbenzene	96	480
10/4/2016	404	77226	193	ug/L	PAL		139605030	TW-1	01	1,3,5-Trimethylbenzene	96	480
10/4/2016	404	77093	14.5	ug/L	PAL		139605030	TW-1	01	cis-1,2-Dichloroethene	7	70
10/4/2016	404	78113	860	ug/L	ES		139605030	TW-1	01	Ethylbenzene	140	700
10/4/2016	404	34423	J 4	ug/L	PAL		139605030	TW-1	01	Methylene Chloride	0.5	5
10/4/2016	404	34696	67.3	ug/L	PAL		139605030	TW-1	01	Naphthalene	10	100
10/4/2016	404	34010	656	ug/L	PAL		139605030	TW-1	01	Toluene	160	800
10/4/2016	404	39175	14.3	ug/L	ES		139605030	TW-1	01	Vinyl chloride	0.02	0.2
10/4/2016	404	81551	4290	ug/L	ES		139605030	TW-1	01	Xylene (Total)	400	2000
10/5/2016	512	34496	240	ug/L	PAL		139605033	RW-5	01	1,1-Dichloroethane	85	850
10/5/2016	512	32103	J 0.93	ug/L	PAL		139605033	RW-5	01	1,2-Dichloroethane	0.5	5
10/5/2016	512	34030	J 0.72	ug/L	PAL		139605033	RW-5	01	Benzene	0.5	5
10/5/2016	512	77093	73.1	ug/L	ES		139605033	RW-5	01	cis-1,2-Dichloroethene	7	70
10/5/2016	512	34423	1.3	ug/L	PAL		139605033	RW-5	01	Methylene Chloride	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
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Landfill Name: 55929.005 WRR

Pace Analytical Services, LLC.

License Number: 04234

DNR Exceedance Summary

Page 7 of 7

Report Period: 161001

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/5/2016	512	39180	J 0.74	ug/L	PAL		139605033	RW-5	01	Trichloroethene	0.5	5
10/5/2016	512	39175	29.3	ug/L	ES		139605033	RW-5	01	Vinyl chloride	0.02	0.2

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTriplctate; 09-Non-field Lab Replicate
< qualifier indicates reported value (RV) was not detected at or above the MDL.

October 25, 2016

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/28/16.**

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40139605

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40139605

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR
Pace Project No.: 40139605

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139605001	W-1A	Water	10/04/16 16:10	10/06/16 07:30
40139605002	W-1D	Water	10/04/16 16:35	10/06/16 07:30
40139605003	W-5	Water	10/04/16 17:50	10/06/16 07:30
40139605004	W-7	Water	10/05/16 08:20	10/06/16 07:30
40139605005	W-7A	Water	10/05/16 08:15	10/06/16 07:30
40139605006	W-17A	Water	10/04/16 11:53	10/06/16 07:30
40139605007	W-17A DUP	Water	10/04/16 11:51	10/06/16 07:30
40139605008	W-17B	Water	10/04/16 11:38	10/06/16 07:30
40139605009	W-18	Water	10/04/16 12:00	10/06/16 07:30
40139605010	W-18A	Water	10/04/16 12:20	10/06/16 07:30
40139605011	W-19R	Water	10/04/16 13:56	10/06/16 07:30
40139605012	METHOD BLANK	Water	10/04/16 14:05	10/06/16 07:30
40139605013	W-22	Water	10/04/16 12:15	10/06/16 07:30
40139605014	W-26	Water	10/04/16 14:27	10/06/16 07:30
40139605015	W-27	Water	10/04/16 11:20	10/06/16 07:30
40139605016	W-28	Water	10/04/16 13:15	10/06/16 07:30
40139605017	W-31A	Water	10/04/16 14:50	10/06/16 07:30
40139605018	W-31B	Water	10/04/16 15:00	10/06/16 07:30
40139605019	W-32	Water	10/05/16 08:30	10/06/16 07:30
40139605020	W-32 DUP	Water	10/05/16 08:30	10/06/16 07:30
40139605021	W-33	Water	10/04/16 15:15	10/06/16 07:30
40139605022	W-33 DUP	Water	10/04/16 15:15	10/06/16 07:30
40139605023	MW-111	Water	10/04/16 11:10	10/06/16 07:30
40139605024	MW-111A	Water	10/04/16 11:07	10/06/16 07:30
40139605025	MW-111B	Water	10/04/16 11:15	10/06/16 07:30
40139605026	MW-115	Water	10/04/16 13:30	10/06/16 07:30
40139605027	MW-115 DUP	Water	10/04/16 13:30	10/06/16 07:30
40139605028	MW-115A	Water	10/04/16 13:15	10/06/16 07:30
40139605029	MW-115B	Water	10/04/16 13:05	10/06/16 07:30
40139605030	TW-1	Water	10/04/16 16:15	10/06/16 07:30
40139605031	FIELD BLANK	Water	10/04/16 10:10	10/06/16 07:30
40139605032	DRINKING WATER	Water	10/05/16 07:45	10/06/16 07:30
40139605033	RW-5	Water	10/05/16 09:20	10/06/16 07:30
40139605034	TRIP BLANK	Water	10/04/16 00:00	10/06/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR
Pace Project No.: 40139605

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40139605001	W-1A	EPA 8260	LAP	69
40139605002	W-1D	EPA 8260	LAP	69
40139605003	W-5	EPA 8260	LAP	69
40139605004	W-7	EPA 8260	LAP	69
40139605005	W-7A	EPA 8260	LAP	69
40139605006	W-17A	EPA 8260	LAP	69
40139605007	W-17A DUP	EPA 8260	LAP	69
40139605008	W-17B	EPA 8260	LAP	69
40139605009	W-18	EPA 8260	LAP	69
40139605010	W-18A	EPA 8260	LAP	69
40139605011	W-19R	EPA 8260	LAP	69
40139605012	METHOD BLANK	EPA 8260	LAP	69
40139605013	W-22	EPA 8260	LAP	69
40139605014	W-26	EPA 8260	LAP	69
40139605015	W-27	EPA 8260	LAP	69
40139605016	W-28	EPA 8260	HNW	69
40139605017	W-31A	EPA 8260	HNW	69
40139605018	W-31B	EPA 8260	HNW	69
40139605019	W-32	EPA 8260	HNW	69
40139605020	W-32 DUP	EPA 8260	HNW	69
40139605021	W-33	EPA 8260	HNW	69
40139605023	MW-111	EPA 8260	HNW	69
40139605024	MW-111A	EPA 8260	HNW	69
40139605025	MW-111B	EPA 8260	HNW	69
40139605026	MW-115	EPA 8260	HNW	69
40139605027	MW-115 DUP	EPA 8260	HNW	69
40139605028	MW-115A	EPA 8260	HNW	69
40139605029	MW-115B	EPA 8260	HNW	69
40139605030	TW-1	EPA 8260	HNW	69
40139605031	FIELD BLANK	EPA 8260	HNW	69
40139605032	DRINKING WATER	EPA 8260	HNW	69
40139605033	RW-5	EPA 8260	HNW	69
40139605034	TRIP BLANK	EPA 8260	HNW	69

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139605001	W-1A					
EPA 8260	1,1-Dichloroethane	3.6J	ug/L	5.0	10/12/16 12:10	
EPA 8260	Ethylbenzene	49.6	ug/L	5.0	10/12/16 12:10	
EPA 8260	Toluene	10.3	ug/L	5.0	10/12/16 12:10	
EPA 8260	Vinyl chloride	370	ug/L	5.0	10/12/16 12:10	
EPA 8260	Xylene (Total)	265	ug/L	15.0	10/12/16 12:10	
EPA 8260	cis-1,2-Dichloroethene	154	ug/L	5.0	10/12/16 12:10	
EPA 8260	m&p-Xylene	254	ug/L	10.0	10/12/16 12:10	
EPA 8260	o-Xylene	11.7	ug/L	5.0	10/12/16 12:10	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	5.0	10/12/16 12:10	
40139605002	W-1D					
EPA 8260	1,1-Dichloroethane	10.6	ug/L	2.0	10/12/16 11:48	
EPA 8260	1,2,4-Trimethylbenzene	2.1	ug/L	2.0	10/12/16 11:48	
EPA 8260	Ethylbenzene	169	ug/L	2.0	10/12/16 11:48	
EPA 8260	Isopropylbenzene (Cumene)	1.0J	ug/L	2.0	10/12/16 11:48	
EPA 8260	Toluene	11.7	ug/L	2.0	10/12/16 11:48	
EPA 8260	Vinyl chloride	11.3	ug/L	2.0	10/12/16 11:48	
EPA 8260	Xylene (Total)	387	ug/L	6.0	10/12/16 11:48	
EPA 8260	cis-1,2-Dichloroethene	13.6	ug/L	2.0	10/12/16 11:48	
EPA 8260	m&p-Xylene	298	ug/L	4.0	10/12/16 11:48	
EPA 8260	o-Xylene	89.0	ug/L	2.0	10/12/16 11:48	
EPA 8260	trans-1,2-Dichloroethene	0.80J	ug/L	2.0	10/12/16 11:48	
40139605003	W-5					
EPA 8260	1,1,1-Trichloroethane	2.3	ug/L	1.0	10/12/16 13:37	
EPA 8260	1,1-Dichloroethane	0.35J	ug/L	1.0	10/12/16 13:37	
EPA 8260	Tetrachloroethene	0.81J	ug/L	1.0	10/12/16 13:37	
EPA 8260	Trichloroethene	0.95J	ug/L	1.0	10/12/16 13:37	
EPA 8260	cis-1,2-Dichloroethene	0.49J	ug/L	1.0	10/12/16 13:37	
40139605004	W-7					
EPA 8260	1,1,1-Trichloroethane	10.6	ug/L	1.0	10/12/16 13:59	
EPA 8260	1,1-Dichloroethane	3.8	ug/L	1.0	10/12/16 13:59	
EPA 8260	1,2-Dichloroethane	0.27J	ug/L	1.0	10/12/16 13:59	
EPA 8260	4-Methyl-2-pentanone (MIBK)	3.0J	ug/L	5.0	10/12/16 13:59	
EPA 8260	Acetone	8.6J	ug/L	20.0	10/12/16 13:59	
EPA 8260	Chloroethane	0.78J	ug/L	1.0	10/12/16 13:59	
EPA 8260	Ethylbenzene	5.1	ug/L	1.0	10/12/16 13:59	
EPA 8260	Methylene Chloride	0.42J	ug/L	1.0	10/12/16 13:59	
EPA 8260	Tetrachloroethene	14.2	ug/L	1.0	10/12/16 13:59	
EPA 8260	Toluene	157	ug/L	1.0	10/12/16 13:59	
EPA 8260	Trichloroethene	2.3	ug/L	1.0	10/12/16 13:59	
EPA 8260	Xylene (Total)	17.2	ug/L	3.0	10/12/16 13:59	
EPA 8260	cis-1,2-Dichloroethene	21.3	ug/L	1.0	10/12/16 13:59	
EPA 8260	m&p-Xylene	12.6	ug/L	2.0	10/12/16 13:59	
EPA 8260	o-Xylene	4.6	ug/L	1.0	10/12/16 13:59	
EPA 8260	trans-1,2-Dichloroethene	0.37J	ug/L	1.0	10/12/16 13:59	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139605005	W-7A					
EPA 8260	1,1,1-Trichloroethane	3.8	ug/L	1.0	10/12/16 14:21	
EPA 8260	1,1-Dichloroethane	0.98J	ug/L	1.0	10/12/16 14:21	
EPA 8260	Ethylbenzene	1.3	ug/L	1.0	10/12/16 14:21	
EPA 8260	Methyl-tert-butyl ether	7.8	ug/L	1.0	10/12/16 14:21	
EPA 8260	Tetrachloroethene	102	ug/L	1.0	10/12/16 14:21	
EPA 8260	Toluene	37.5	ug/L	1.0	10/12/16 14:21	
EPA 8260	Trichloroethene	1.8	ug/L	1.0	10/12/16 14:21	
EPA 8260	Xylene (Total)	3.6	ug/L	3.0	10/12/16 14:21	
EPA 8260	cis-1,2-Dichloroethene	5.0	ug/L	1.0	10/12/16 14:21	
EPA 8260	m&p-Xylene	2.6	ug/L	2.0	10/12/16 14:21	
EPA 8260	o-Xylene	0.95J	ug/L	1.0	10/12/16 14:21	
40139605006	W-17A					
EPA 8260	1,1-Dichloroethane	109	ug/L	10.0	10/12/16 12:31	
EPA 8260	1,2-Dichloroethane	5.6J	ug/L	10.0	10/12/16 12:31	
EPA 8260	Acetone	53.7J	ug/L	200	10/12/16 12:31	
EPA 8260	Benzene	7.7J	ug/L	10.0	10/12/16 12:31	
EPA 8260	Chloroethane	721	ug/L	10.0	10/12/16 12:31	
EPA 8260	Toluene	535	ug/L	10.0	10/12/16 12:31	
EPA 8260	Vinyl chloride	2.8J	ug/L	10.0	10/12/16 12:31	
EPA 8260	o-Xylene	5.7J	ug/L	10.0	10/12/16 12:31	
EPA 8260	trans-1,2-Dichloroethene	42.5	ug/L	10.0	10/12/16 12:31	
40139605007	W-17A DUP					
EPA 8260	1,1-Dichloroethane	110	ug/L	10.0	10/12/16 12:53	
EPA 8260	1,2-Dichloroethane	4.5J	ug/L	10.0	10/12/16 12:53	
EPA 8260	Acetone	42.0J	ug/L	200	10/12/16 12:53	
EPA 8260	Benzene	7.7J	ug/L	10.0	10/12/16 12:53	
EPA 8260	Chloroethane	743	ug/L	10.0	10/12/16 12:53	
EPA 8260	Toluene	535	ug/L	10.0	10/12/16 12:53	
EPA 8260	Vinyl chloride	2.1J	ug/L	10.0	10/12/16 12:53	
EPA 8260	o-Xylene	5.7J	ug/L	10.0	10/12/16 12:53	
EPA 8260	trans-1,2-Dichloroethene	42.7	ug/L	10.0	10/12/16 12:53	
40139605008	W-17B					
EPA 8260	1,1-Dichloroethane	0.45J	ug/L	1.0	10/12/16 14:43	
EPA 8260	Trichloroethene	0.99J	ug/L	1.0	10/12/16 14:43	
EPA 8260	Vinyl chloride	0.22J	ug/L	1.0	10/12/16 14:43	
EPA 8260	cis-1,2-Dichloroethene	0.41J	ug/L	1.0	10/12/16 14:43	
40139605009	W-18					
EPA 8260	Dichlorodifluoromethane	2.4	ug/L	1.0	10/12/16 17:25	
40139605010	W-18A					
EPA 8260	1,1-Dichloroethane	6.5	ug/L	1.0	10/12/16 17:47	
EPA 8260	1,2,4-Trimethylbenzene	11.1	ug/L	1.0	10/12/16 17:47	
EPA 8260	1,2-Dichlorobenzene	0.54J	ug/L	1.0	10/12/16 17:47	
EPA 8260	1,2-Dichloroethane	1.0J	ug/L	1.0	10/12/16 17:47	
EPA 8260	1,2-Dichloropropane	0.46J	ug/L	1.0	10/12/16 17:47	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139605010	W-18A					
EPA 8260	1,3,5-Trimethylbenzene	1.3	ug/L	1.0	10/12/16 17:47	
EPA 8260	Benzene	1.8	ug/L	1.0	10/12/16 17:47	
EPA 8260	Chloroethane	10.7	ug/L	1.0	10/12/16 17:47	
EPA 8260	Ethylbenzene	117	ug/L	1.0	10/12/16 17:47	
EPA 8260	Isopropylbenzene (Cumene)	1.6	ug/L	1.0	10/12/16 17:47	
EPA 8260	Methylene Chloride	1.2	ug/L	1.0	10/12/16 17:47	
EPA 8260	Toluene	4.9	ug/L	1.0	10/12/16 17:47	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	10/12/16 17:47	
EPA 8260	Xylene (Total)	277	ug/L	3.0	10/12/16 17:47	
EPA 8260	cis-1,2-Dichloroethene	0.84J	ug/L	1.0	10/12/16 17:47	
EPA 8260	m&p-Xylene	214	ug/L	2.0	10/12/16 17:47	
EPA 8260	n-Propylbenzene	1.1	ug/L	1.0	10/12/16 17:47	
EPA 8260	o-Xylene	62.5	ug/L	1.0	10/12/16 17:47	
EPA 8260	trans-1,2-Dichloroethene	0.86J	ug/L	1.0	10/12/16 17:47	
40139605011	W-19R					
EPA 8260	1,2-Dichloroethane	132	ug/L	100	10/12/16 13:15	
EPA 8260	2-Butanone (MEK)	420J	ug/L	2000	10/12/16 13:15	
EPA 8260	2-Propanol	2900J	ug/L	25000	10/12/16 13:15	
EPA 8260	4-Methyl-2-pentanone (MIBK)	6570	ug/L	500	10/12/16 13:15	
EPA 8260	Acetone	1610J	ug/L	2000	10/12/16 13:15	
EPA 8260	Benzene	131	ug/L	100	10/12/16 13:15	
EPA 8260	Chloroethane	492	ug/L	100	10/12/16 13:15	
EPA 8260	Diisopropyl ether	64.1J	ug/L	100	10/12/16 13:15	
EPA 8260	Ethylbenzene	136	ug/L	100	10/12/16 13:15	
EPA 8260	Toluene	17300	ug/L	100	10/12/16 13:15	
EPA 8260	Xylene (Total)	332	ug/L	300	10/12/16 13:15	
EPA 8260	m&p-Xylene	197J	ug/L	200	10/12/16 13:15	
EPA 8260	o-Xylene	135	ug/L	100	10/12/16 13:15	
40139605013	W-22					
EPA 8260	1,1-Dichloroethane	2.4	ug/L	1.0	10/13/16 07:38	
EPA 8260	1,2-Dichloroethane	0.30J	ug/L	1.0	10/13/16 07:38	
EPA 8260	Chloroethane	1.2	ug/L	1.0	10/13/16 07:38	
EPA 8260	Ethylbenzene	1.4	ug/L	1.0	10/13/16 07:38	
EPA 8260	Toluene	3.5	ug/L	1.0	10/13/16 07:38	
EPA 8260	Trichloroethene	4.3	ug/L	1.0	10/13/16 07:38	
EPA 8260	Vinyl chloride	6.2	ug/L	1.0	10/13/16 07:38	
EPA 8260	Xylene (Total)	7.8	ug/L	3.0	10/13/16 07:38	
EPA 8260	cis-1,2-Dichloroethene	10.3	ug/L	1.0	10/13/16 07:38	
EPA 8260	m&p-Xylene	1.7J	ug/L	2.0	10/13/16 07:38	
EPA 8260	o-Xylene	6.1	ug/L	1.0	10/13/16 07:38	
EPA 8260	trans-1,2-Dichloroethene	0.56J	ug/L	1.0	10/13/16 07:38	
40139605014	W-26					
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	10/12/16 16:41	
EPA 8260	1,2-Dichloroethane	0.65J	ug/L	1.0	10/12/16 16:41	
EPA 8260	Benzene	1.2	ug/L	1.0	10/12/16 16:41	
EPA 8260	Chloroethane	1.2	ug/L	1.0	10/12/16 16:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40139605

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40139605014	W-26					
EPA 8260	Ethylbenzene	1.7	ug/L	1.0	10/12/16 16:41	
EPA 8260	Toluene	218	ug/L	1.0	10/12/16 16:41	
EPA 8260	Trichloroethene	18.9	ug/L	1.0	10/12/16 16:41	
EPA 8260	Vinyl chloride	2.2	ug/L	1.0	10/12/16 16:41	
EPA 8260	Xylene (Total)	3.1	ug/L	3.0	10/12/16 16:41	
EPA 8260	cis-1,2-Dichloroethene	7.3	ug/L	1.0	10/12/16 16:41	
EPA 8260	m&p-Xylene	1.7J	ug/L	2.0	10/12/16 16:41	
EPA 8260	o-Xylene	1.5	ug/L	1.0	10/12/16 16:41	
EPA 8260	trans-1,2-Dichloroethene	2.3	ug/L	1.0	10/12/16 16:41	
40139605015	W-27					
EPA 8260	1,1-Dichloroethane	1.5	ug/L	1.0	10/13/16 08:00	
EPA 8260	1,1-Dichloroethene	0.47J	ug/L	1.0	10/13/16 08:00	
EPA 8260	Dichlorodifluoromethane	2.5	ug/L	1.0	10/13/16 08:00	
EPA 8260	Trichloroethene	3.9	ug/L	1.0	10/13/16 08:00	
EPA 8260	Vinyl chloride	1.3	ug/L	1.0	10/13/16 08:00	
EPA 8260	cis-1,2-Dichloroethene	3.3	ug/L	1.0	10/13/16 08:00	
40139605016	W-28					
EPA 8260	cis-1,2-Dichloroethene	0.32J	ug/L	1.0	10/14/16 21:23	
40139605017	W-31A					
EPA 8260	1,1-Dichloroethane	232J	ug/L	400	10/14/16 23:54	
EPA 8260	1,2-Dichloroethane	147J	ug/L	400	10/14/16 23:54	
EPA 8260	2-Butanone (MEK)	29600	ug/L	8000	10/14/16 23:54	
EPA 8260	2-Propanol	122000	ug/L	100000	10/14/16 23:54	
EPA 8260	4-Methyl-2-pentanone (MIBK)	10900	ug/L	2000	10/14/16 23:54	
EPA 8260	Acetone	86300	ug/L	8000	10/14/16 23:54	
EPA 8260	Chloroethane	943	ug/L	400	10/14/16 23:54	
EPA 8260	Ethylbenzene	986	ug/L	400	10/14/16 23:54	
EPA 8260	Methylene Chloride	265J	ug/L	400	10/14/16 23:54	
EPA 8260	Toluene	22800	ug/L	400	10/14/16 23:54	
EPA 8260	Xylene (Total)	3590	ug/L	1200	10/14/16 23:54	
EPA 8260	cis-1,2-Dichloroethene	317J	ug/L	400	10/14/16 23:54	
EPA 8260	m&p-Xylene	2700	ug/L	800	10/14/16 23:54	
EPA 8260	o-Xylene	882	ug/L	400	10/14/16 23:54	
40139605018	W-31B					
EPA 8260	1,1-Dichloroethane	4.2J	ug/L	10.0	10/15/16 00:16	
EPA 8260	Chloroethane	7.6J	ug/L	10.0	10/15/16 00:16	
EPA 8260	Ethylbenzene	19.1	ug/L	10.0	10/15/16 00:16	
EPA 8260	Methylene Chloride	3.9J	ug/L	10.0	10/15/16 00:16	
EPA 8260	Toluene	432	ug/L	10.0	10/15/16 00:16	
EPA 8260	Xylene (Total)	60.2	ug/L	30.0	10/15/16 00:16	
EPA 8260	cis-1,2-Dichloroethene	5.0J	ug/L	10.0	10/15/16 00:16	
EPA 8260	m&p-Xylene	45.1	ug/L	20.0	10/15/16 00:16	
EPA 8260	o-Xylene	15.1	ug/L	10.0	10/15/16 00:16	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139605019	W-32					
EPA 8260	1,1,1-Trichloroethane	8880	ug/L	50.0	10/15/16 00:37	
EPA 8260	1,1,2-Trichloroethane	26.7J	ug/L	50.0	10/15/16 00:37	
EPA 8260	1,1-Dichloroethane	141	ug/L	50.0	10/15/16 00:37	
EPA 8260	1,1-Dichloroethene	373	ug/L	50.0	10/15/16 00:37	
EPA 8260	Tetrachloroethene	4500	ug/L	50.0	10/15/16 00:37	
EPA 8260	Trichloroethene	7360	ug/L	50.0	10/15/16 00:37	
EPA 8260	cis-1,2-Dichloroethene	362	ug/L	50.0	10/15/16 00:37	
40139605020	W-32 DUP					
EPA 8260	1,1,1-Trichloroethane	8880	ug/L	50.0	10/15/16 00:59	
EPA 8260	1,1,2-Trichloroethane	23.9J	ug/L	50.0	10/15/16 00:59	
EPA 8260	1,1-Dichloroethane	143	ug/L	50.0	10/15/16 00:59	
EPA 8260	1,1-Dichloroethene	358	ug/L	50.0	10/15/16 00:59	
EPA 8260	Tetrachloroethene	4490	ug/L	50.0	10/15/16 00:59	
EPA 8260	Trichloroethene	7280	ug/L	50.0	10/15/16 00:59	
EPA 8260	cis-1,2-Dichloroethene	373	ug/L	50.0	10/15/16 00:59	
40139605021	W-33					
EPA 8260	1,1,1-Trichloroethane	3780	ug/L	50.0	10/15/16 01:20	
EPA 8260	1,1,2-Trichloroethane	23.2J	ug/L	50.0	10/15/16 01:20	
EPA 8260	1,1-Dichloroethane	3420	ug/L	50.0	10/15/16 01:20	
EPA 8260	1,1-Dichloroethene	92.0	ug/L	50.0	10/15/16 01:20	
EPA 8260	1,2-Dichloroethane	22.2J	ug/L	50.0	10/15/16 01:20	
EPA 8260	Chloroethane	235	ug/L	50.0	10/15/16 01:20	
EPA 8260	Methylene Chloride	106	ug/L	50.0	10/15/16 01:20	
EPA 8260	Tetrachloroethene	240	ug/L	50.0	10/15/16 01:20	
EPA 8260	Toluene	213	ug/L	50.0	10/15/16 01:20	
EPA 8260	Trichloroethene	240	ug/L	50.0	10/15/16 01:20	
EPA 8260	Vinyl chloride	116	ug/L	50.0	10/15/16 01:20	
EPA 8260	Xylene (Total)	84.0J	ug/L	150	10/15/16 01:20	
EPA 8260	cis-1,2-Dichloroethene	13600	ug/L	50.0	10/15/16 01:20	
EPA 8260	o-Xylene	45.4J	ug/L	50.0	10/15/16 01:20	
EPA 8260	trans-1,2-Dichloroethene	48.2J	ug/L	50.0	10/15/16 01:20	
40139605024	MW-111A					
EPA 8260	1,1-Dichloroethane	7.5	ug/L	5.0	10/17/16 08:12	
EPA 8260	1,2-Dichloroethane	30.8	ug/L	5.0	10/17/16 08:12	
EPA 8260	1,2-Dichloropropane	1.9J	ug/L	5.0	10/17/16 08:12	
EPA 8260	Benzene	3.2J	ug/L	5.0	10/17/16 08:12	
EPA 8260	Chloroethane	285	ug/L	5.0	10/17/16 08:12	
EPA 8260	Toluene	24.3	ug/L	5.0	10/17/16 08:12	
EPA 8260	trans-1,2-Dichloroethene	2.3J	ug/L	5.0	10/17/16 08:12	
40139605025	MW-111B					
EPA 8260	1,1-Dichloroethane	8.8J	ug/L	10.0	10/17/16 08:34	
EPA 8260	1,2-Dichloroethane	25.4	ug/L	10.0	10/17/16 08:34	
EPA 8260	1,2-Dichloropropane	10.7	ug/L	10.0	10/17/16 08:34	
EPA 8260	Chloroethane	363	ug/L	10.0	10/17/16 08:34	
EPA 8260	Toluene	7.0J	ug/L	10.0	10/17/16 08:34	

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139605026	MW-115					
EPA 8260	1,1-Dichloroethane	78.3	ug/L	10.0	10/15/16 01:42	
EPA 8260	1,1-Dichloroethene	9.0J	ug/L	10.0	10/15/16 01:42	
EPA 8260	1,2-Dichloroethane	91.8	ug/L	10.0	10/15/16 01:42	
EPA 8260	1,2-Dichloropropane	7.2J	ug/L	10.0	10/15/16 01:42	
EPA 8260	4-Methyl-2-pentanone (MIBK)	30.0J	ug/L	50.0	10/15/16 01:42	
EPA 8260	Benzene	11.0	ug/L	10.0	10/15/16 01:42	
EPA 8260	Chloroethane	1290	ug/L	10.0	10/15/16 01:42	
EPA 8260	Methylene Chloride	2.7J	ug/L	10.0	10/15/16 01:42	
EPA 8260	Toluene	98.9	ug/L	10.0	10/15/16 01:42	
EPA 8260	Vinyl chloride	48.6	ug/L	10.0	10/15/16 01:42	
EPA 8260	cis-1,2-Dichloroethene	35.5	ug/L	10.0	10/15/16 01:42	
EPA 8260	trans-1,2-Dichloroethene	227	ug/L	10.0	10/15/16 01:42	
40139605027	MW-115 DUP					
EPA 8260	1,1-Dichloroethane	84.2	ug/L	10.0	10/15/16 02:04	
EPA 8260	1,1-Dichloroethene	7.0J	ug/L	10.0	10/15/16 02:04	
EPA 8260	1,2-Dichloroethane	89.5	ug/L	10.0	10/15/16 02:04	
EPA 8260	1,2-Dichloropropane	6.0J	ug/L	10.0	10/15/16 02:04	
EPA 8260	4-Methyl-2-pentanone (MIBK)	25.5J	ug/L	50.0	10/15/16 02:04	
EPA 8260	Benzene	11.2	ug/L	10.0	10/15/16 02:04	
EPA 8260	Chloroethane	975	ug/L	10.0	10/15/16 02:04	
EPA 8260	Methylene Chloride	2.9J	ug/L	10.0	10/15/16 02:04	
EPA 8260	Toluene	106	ug/L	10.0	10/15/16 02:04	
EPA 8260	Vinyl chloride	39.4	ug/L	10.0	10/15/16 02:04	
EPA 8260	cis-1,2-Dichloroethene	33.3	ug/L	10.0	10/15/16 02:04	
EPA 8260	trans-1,2-Dichloroethene	199	ug/L	10.0	10/15/16 02:04	
40139605028	MW-115A					
EPA 8260	1,1,2-Trichloroethane	8.4	ug/L	5.0	10/17/16 07:29	
EPA 8260	1,1-Dichloroethane	207	ug/L	5.0	10/17/16 07:29	
EPA 8260	1,1-Dichloroethene	105	ug/L	5.0	10/17/16 07:29	
EPA 8260	1,2-Dichloroethane	6.2	ug/L	5.0	10/17/16 07:29	
EPA 8260	1,2-Dichloropropane	6.9	ug/L	5.0	10/17/16 07:29	
EPA 8260	Trichloroethene	103	ug/L	5.0	10/17/16 07:29	
EPA 8260	Vinyl chloride	5.5	ug/L	5.0	10/17/16 07:29	
EPA 8260	cis-1,2-Dichloroethene	1060	ug/L	5.0	10/17/16 07:29	
EPA 8260	trans-1,2-Dichloroethene	22.2	ug/L	5.0	10/17/16 07:29	
40139605029	MW-115B					
EPA 8260	1,1-Dichloroethane	0.26J	ug/L	1.0	10/14/16 22:49	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	10/14/16 22:49	
EPA 8260	cis-1,2-Dichloroethene	0.51J	ug/L	1.0	10/14/16 22:49	
40139605030	TW-1					
EPA 8260	1,1,1-Trichloroethane	8.3J	ug/L	10.0	10/17/16 07:51	
EPA 8260	1,1-Dichloroethane	137	ug/L	10.0	10/17/16 07:51	
EPA 8260	1,2,4-Trimethylbenzene	608	ug/L	10.0	10/17/16 07:51	
EPA 8260	1,2-Dichlorobenzene	18.5	ug/L	10.0	10/17/16 07:51	
EPA 8260	1,3,5-Trimethylbenzene	193	ug/L	10.0	10/17/16 07:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40139605030	TW-1					
EPA 8260	Acetone	29.8J	ug/L	200	10/17/16 07:51	
EPA 8260	Chloroethane	72.6	ug/L	10.0	10/17/16 07:51	
EPA 8260	Dichlorodifluoromethane	22.2	ug/L	10.0	10/17/16 07:51	
EPA 8260	Ethylbenzene	860	ug/L	10.0	10/17/16 07:51	
EPA 8260	Isopropylbenzene (Cumene)	51.4	ug/L	10.0	10/17/16 07:51	
EPA 8260	Methylene Chloride	4.0J	ug/L	10.0	10/17/16 07:51	
EPA 8260	Naphthalene	67.3	ug/L	50.0	10/17/16 07:51	
EPA 8260	Toluene	656	ug/L	10.0	10/17/16 07:51	
EPA 8260	Vinyl chloride	14.3	ug/L	10.0	10/17/16 07:51	
EPA 8260	Xylene (Total)	4290	ug/L	30.0	10/17/16 07:51	
EPA 8260	cis-1,2-Dichloroethene	14.5	ug/L	10.0	10/17/16 07:51	
EPA 8260	m&p-Xylene	3150	ug/L	20.0	10/17/16 07:51	
EPA 8260	n-Propylbenzene	105	ug/L	10.0	10/17/16 07:51	
EPA 8260	o-Xylene	1140	ug/L	10.0	10/17/16 07:51	
EPA 8260	p-Isopropyltoluene	5.8J	ug/L	10.0	10/17/16 07:51	
40139605031	FIELD BLANK					
EPA 8260	Acetone	3.0J	ug/L	20.0	10/14/16 20:40	
40139605033	RW-5					
EPA 8260	1,1,1-Trichloroethane	0.62J	ug/L	1.0	10/14/16 23:33	
EPA 8260	1,1-Dichloroethane	240	ug/L	1.0	10/14/16 23:33	
EPA 8260	1,2-Dichloroethane	0.93J	ug/L	1.0	10/14/16 23:33	
EPA 8260	1,2-Dichloropropane	0.39J	ug/L	1.0	10/14/16 23:33	
EPA 8260	Benzene	0.72J	ug/L	1.0	10/14/16 23:33	
EPA 8260	Chloroethane	12.9	ug/L	1.0	10/14/16 23:33	
EPA 8260	Methyl-tert-butyl ether	0.66J	ug/L	1.0	10/14/16 23:33	
EPA 8260	Methylene Chloride	1.3	ug/L	1.0	10/14/16 23:33	
EPA 8260	Trichloroethene	0.74J	ug/L	1.0	10/14/16 23:33	
EPA 8260	Vinyl chloride	29.3	ug/L	1.0	10/14/16 23:33	
EPA 8260	cis-1,2-Dichloroethene	73.1	ug/L	1.0	10/14/16 23:33	
EPA 8260	trans-1,2-Dichloroethene	1.4	ug/L	1.0	10/14/16 23:33	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-1A **Lab ID: 40139605001** Collected: 10/04/16 16:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		10/12/16 12:10	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		10/12/16 12:10	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		10/12/16 12:10	79-00-5	
1,1-Dichloroethane	3.6J	ug/L	5.0	1.2	5		10/12/16 12:10	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		10/12/16 12:10	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		10/12/16 12:10	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		10/12/16 12:10	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		10/12/16 12:10	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		10/12/16 12:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		10/12/16 12:10	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		10/12/16 12:10	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		10/12/16 12:10	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		10/12/16 12:10	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		10/12/16 12:10	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		10/12/16 12:10	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		10/12/16 12:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		10/12/16 12:10	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		10/12/16 12:10	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		10/12/16 12:10	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		10/12/16 12:10	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		10/12/16 12:10	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		10/12/16 12:10	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		10/12/16 12:10	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		10/12/16 12:10	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		10/12/16 12:10	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	108-20-3	
Ethylbenzene	49.6	ug/L	5.0	2.5	5		10/12/16 12:10	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		10/12/16 12:10	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		10/12/16 12:10	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		10/12/16 12:10	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-1A **Lab ID: 40139605001** Collected: 10/04/16 16:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		10/12/16 12:10	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		10/12/16 12:10	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	127-18-4	
Toluene	10.3	ug/L	5.0	2.5	5		10/12/16 12:10	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		10/12/16 12:10	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		10/12/16 12:10	75-69-4	
Vinyl chloride	370	ug/L	5.0	0.88	5		10/12/16 12:10	75-01-4	
Xylene (Total)	265	ug/L	15.0	7.5	5		10/12/16 12:10	1330-20-7	
cis-1,2-Dichloroethene	154	ug/L	5.0	1.3	5		10/12/16 12:10	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	10061-01-5	
m&p-Xylene	254	ug/L	10.0	5.0	5		10/12/16 12:10	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	103-65-1	
o-Xylene	11.7	ug/L	5.0	2.5	5		10/12/16 12:10	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		10/12/16 12:10	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		10/12/16 12:10	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		10/12/16 12:10	98-06-6	
trans-1,2-Dichloroethene	1.6J	ug/L	5.0	1.3	5		10/12/16 12:10	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		10/12/16 12:10	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		5		10/12/16 12:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		10/12/16 12:10	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		5		10/12/16 12:10	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-1D **Lab ID: 40139605002** Collected: 10/04/16 16:35 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		10/12/16 11:48	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		10/12/16 11:48	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		10/12/16 11:48	79-00-5	
1,1-Dichloroethane	10.6	ug/L	2.0	0.48	2		10/12/16 11:48	75-34-3	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		10/12/16 11:48	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		10/12/16 11:48	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		10/12/16 11:48	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		10/12/16 11:48	120-82-1	
1,2,4-Trimethylbenzene	2.1	ug/L	2.0	1.0	2		10/12/16 11:48	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		10/12/16 11:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		10/12/16 11:48	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		10/12/16 11:48	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		10/12/16 11:48	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		10/12/16 11:48	594-20-7	
2-Butanone (MEK)	<6.0	ug/L	40.0	6.0	2		10/12/16 11:48	78-93-3	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	95-49-8	
2-Propanol	<48.7	ug/L	500	48.7	2		10/12/16 11:48	67-63-0	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		10/12/16 11:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	<4.3	ug/L	10.0	4.3	2		10/12/16 11:48	108-10-1	
Acetone	<5.9	ug/L	40.0	5.9	2		10/12/16 11:48	67-64-1	
Benzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		10/12/16 11:48	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		10/12/16 11:48	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		10/12/16 11:48	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		10/12/16 11:48	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		10/12/16 11:48	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		10/12/16 11:48	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		10/12/16 11:48	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	108-20-3	
Ethylbenzene	169	ug/L	2.0	1.0	2		10/12/16 11:48	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		10/12/16 11:48	87-68-3	
Isopropylbenzene (Cumene)	1.0J	ug/L	2.0	0.29	2		10/12/16 11:48	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		10/12/16 11:48	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-1D **Lab ID: 40139605002** Collected: 10/04/16 16:35 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		10/12/16 11:48	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		10/12/16 11:48	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	100-42-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	127-18-4	
Toluene	11.7	ug/L	2.0	1.0	2		10/12/16 11:48	108-88-3	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		10/12/16 11:48	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		10/12/16 11:48	75-69-4	
Vinyl chloride	11.3	ug/L	2.0	0.35	2		10/12/16 11:48	75-01-4	
Xylene (Total)	387	ug/L	6.0	3.0	2		10/12/16 11:48	1330-20-7	
cis-1,2-Dichloroethene	13.6	ug/L	2.0	0.51	2		10/12/16 11:48	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	10061-01-5	
m&p-Xylene	298	ug/L	4.0	2.0	2		10/12/16 11:48	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	104-51-8	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	103-65-1	
o-Xylene	89.0	ug/L	2.0	1.0	2		10/12/16 11:48	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		10/12/16 11:48	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		10/12/16 11:48	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		10/12/16 11:48	98-06-6	
trans-1,2-Dichloroethene	0.80J	ug/L	2.0	0.51	2		10/12/16 11:48	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		10/12/16 11:48	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		2		10/12/16 11:48	1868-53-7	
Toluene-d8 (S)	97	%	70-130		2		10/12/16 11:48	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		2		10/12/16 11:48	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-5 **Lab ID: 40139605003** Collected: 10/04/16 17:50 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 13:37	630-20-6	
1,1,1-Trichloroethane	2.3	ug/L	1.0	0.50	1		10/12/16 13:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 13:37	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 13:37	79-00-5	
1,1-Dichloroethane	0.35J	ug/L	1.0	0.24	1		10/12/16 13:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 13:37	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 13:37	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 13:37	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 13:37	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 13:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 13:37	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/12/16 13:37	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 13:37	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 13:37	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 13:37	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 13:37	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 13:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 13:37	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 13:37	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 13:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 13:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 13:37	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/12/16 13:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 13:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 13:37	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 13:37	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 13:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 13:37	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 13:37	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-5 **Lab ID: 40139605003** Collected: 10/04/16 17:50 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 13:37	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 13:37	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	100-42-5	
Tetrachloroethene	0.81J	ug/L	1.0	0.50	1		10/12/16 13:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	108-88-3	
Trichloroethene	0.95J	ug/L	1.0	0.33	1		10/12/16 13:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 13:37	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/12/16 13:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/12/16 13:37	1330-20-7	
cis-1,2-Dichloroethene	0.49J	ug/L	1.0	0.26	1		10/12/16 13:37	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/12/16 13:37	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:37	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 13:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 13:37	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 13:37	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 13:37	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		10/12/16 13:37	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 13:37	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		10/12/16 13:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-7 **Lab ID: 40139605004** Collected: 10/05/16 08:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 13:59	630-20-6	
1,1,1-Trichloroethane	10.6	ug/L	1.0	0.50	1		10/12/16 13:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 13:59	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 13:59	79-00-5	
1,1-Dichloroethane	3.8	ug/L	1.0	0.24	1		10/12/16 13:59	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 13:59	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 13:59	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 13:59	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 13:59	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 13:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 13:59	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	95-50-1	
1,2-Dichloroethane	0.27J	ug/L	1.0	0.17	1		10/12/16 13:59	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 13:59	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 13:59	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 13:59	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 13:59	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 13:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	3.0J	ug/L	5.0	2.1	1		10/12/16 13:59	108-10-1	
Acetone	8.6J	ug/L	20.0	3.0	1		10/12/16 13:59	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 13:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 13:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 13:59	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	108-90-7	
Chloroethane	0.78J	ug/L	1.0	0.37	1		10/12/16 13:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 13:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 13:59	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 13:59	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	108-20-3	
Ethylbenzene	5.1	ug/L	1.0	0.50	1		10/12/16 13:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 13:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 13:59	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 13:59	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-7 **Lab ID: 40139605004** Collected: 10/05/16 08:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	0.42J	ug/L	1.0	0.23	1		10/12/16 13:59	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 13:59	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	100-42-5	
Tetrachloroethene	14.2	ug/L	1.0	0.50	1		10/12/16 13:59	127-18-4	
Toluene	157	ug/L	1.0	0.50	1		10/12/16 13:59	108-88-3	
Trichloroethene	2.3	ug/L	1.0	0.33	1		10/12/16 13:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 13:59	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/12/16 13:59	75-01-4	
Xylene (Total)	17.2	ug/L	3.0	1.5	1		10/12/16 13:59	1330-20-7	
cis-1,2-Dichloroethene	21.3	ug/L	1.0	0.26	1		10/12/16 13:59	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	10061-01-5	
m&p-Xylene	12.6	ug/L	2.0	1.0	1		10/12/16 13:59	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	103-65-1	
o-Xylene	4.6	ug/L	1.0	0.50	1		10/12/16 13:59	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 13:59	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 13:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 13:59	98-06-6	
trans-1,2-Dichloroethene	0.37J	ug/L	1.0	0.26	1		10/12/16 13:59	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 13:59	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		10/12/16 13:59	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 13:59	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		10/12/16 13:59	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-7A **Lab ID: 40139605005** Collected: 10/05/16 08:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 14:21	630-20-6	
1,1,1-Trichloroethane	3.8	ug/L	1.0	0.50	1		10/12/16 14:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 14:21	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 14:21	79-00-5	
1,1-Dichloroethane	0.98J	ug/L	1.0	0.24	1		10/12/16 14:21	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 14:21	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 14:21	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 14:21	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 14:21	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 14:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 14:21	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/12/16 14:21	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 14:21	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 14:21	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 14:21	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 14:21	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 14:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 14:21	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 14:21	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 14:21	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 14:21	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 14:21	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/12/16 14:21	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 14:21	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 14:21	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 14:21	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	108-20-3	
Ethylbenzene	1.3	ug/L	1.0	0.50	1		10/12/16 14:21	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 14:21	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 14:21	98-82-8	
Methyl-tert-butyl ether	7.8	ug/L	1.0	0.17	1		10/12/16 14:21	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-7A **Lab ID: 40139605005** Collected: 10/05/16 08:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 14:21	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 14:21	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	100-42-5	
Tetrachloroethene	102	ug/L	1.0	0.50	1		10/12/16 14:21	127-18-4	
Toluene	37.5	ug/L	1.0	0.50	1		10/12/16 14:21	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.33	1		10/12/16 14:21	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 14:21	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/12/16 14:21	75-01-4	
Xylene (Total)	3.6	ug/L	3.0	1.5	1		10/12/16 14:21	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	0.26	1		10/12/16 14:21	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	10061-01-5	
m&p-Xylene	2.6	ug/L	2.0	1.0	1		10/12/16 14:21	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	103-65-1	
o-Xylene	0.95J	ug/L	1.0	0.50	1		10/12/16 14:21	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:21	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 14:21	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 14:21	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 14:21	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 14:21	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/12/16 14:21	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 14:21	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		10/12/16 14:21	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17A **Lab ID: 40139605006** Collected: 10/04/16 11:53 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/12/16 12:31	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/12/16 12:31	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/12/16 12:31	79-00-5	
1,1-Dichloroethane	109	ug/L	10.0	2.4	10		10/12/16 12:31	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/12/16 12:31	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/12/16 12:31	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/12/16 12:31	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/12/16 12:31	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/12/16 12:31	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/12/16 12:31	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	95-50-1	
1,2-Dichloroethane	5.6J	ug/L	10.0	1.7	10		10/12/16 12:31	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/12/16 12:31	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/12/16 12:31	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/12/16 12:31	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/12/16 12:31	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/12/16 12:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/12/16 12:31	108-10-1	
Acetone	53.7J	ug/L	200	29.5	10		10/12/16 12:31	67-64-1	
Benzene	7.7J	ug/L	10.0	5.0	10		10/12/16 12:31	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/12/16 12:31	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/12/16 12:31	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/12/16 12:31	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	108-90-7	
Chloroethane	721	ug/L	10.0	3.7	10		10/12/16 12:31	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/12/16 12:31	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/12/16 12:31	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/12/16 12:31	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/12/16 12:31	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/12/16 12:31	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/12/16 12:31	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17A **Lab ID: 40139605006** Collected: 10/04/16 11:53 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/12/16 12:31	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/12/16 12:31	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	127-18-4	
Toluene	535	ug/L	10.0	5.0	10		10/12/16 12:31	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/12/16 12:31	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/12/16 12:31	75-69-4	
Vinyl chloride	2.8J	ug/L	10.0	1.8	10		10/12/16 12:31	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/12/16 12:31	1330-20-7	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/12/16 12:31	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/12/16 12:31	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	103-65-1	
o-Xylene	5.7J	ug/L	10.0	5.0	10		10/12/16 12:31	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:31	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/12/16 12:31	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/12/16 12:31	98-06-6	
trans-1,2-Dichloroethene	42.5	ug/L	10.0	2.6	10		10/12/16 12:31	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/12/16 12:31	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		10		10/12/16 12:31	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/12/16 12:31	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		10		10/12/16 12:31	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17A DUP **Lab ID: 40139605007** Collected: 10/04/16 11:51 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/12/16 12:53	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/12/16 12:53	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/12/16 12:53	79-00-5	
1,1-Dichloroethane	110	ug/L	10.0	2.4	10		10/12/16 12:53	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/12/16 12:53	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/12/16 12:53	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/12/16 12:53	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/12/16 12:53	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/12/16 12:53	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/12/16 12:53	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	95-50-1	
1,2-Dichloroethane	4.5J	ug/L	10.0	1.7	10		10/12/16 12:53	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/12/16 12:53	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/12/16 12:53	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/12/16 12:53	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/12/16 12:53	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/12/16 12:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/12/16 12:53	108-10-1	
Acetone	42.0J	ug/L	200	29.5	10		10/12/16 12:53	67-64-1	
Benzene	7.7J	ug/L	10.0	5.0	10		10/12/16 12:53	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/12/16 12:53	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/12/16 12:53	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/12/16 12:53	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	108-90-7	
Chloroethane	743	ug/L	10.0	3.7	10		10/12/16 12:53	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/12/16 12:53	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/12/16 12:53	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/12/16 12:53	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/12/16 12:53	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/12/16 12:53	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/12/16 12:53	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17A DUP **Lab ID: 40139605007** Collected: 10/04/16 11:51 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/12/16 12:53	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/12/16 12:53	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	127-18-4	
Toluene	535	ug/L	10.0	5.0	10		10/12/16 12:53	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/12/16 12:53	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/12/16 12:53	75-69-4	
Vinyl chloride	2.1J	ug/L	10.0	1.8	10		10/12/16 12:53	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/12/16 12:53	1330-20-7	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/12/16 12:53	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/12/16 12:53	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	103-65-1	
o-Xylene	5.7J	ug/L	10.0	5.0	10		10/12/16 12:53	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/12/16 12:53	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/12/16 12:53	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/12/16 12:53	98-06-6	
trans-1,2-Dichloroethene	42.7	ug/L	10.0	2.6	10		10/12/16 12:53	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/12/16 12:53	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		10		10/12/16 12:53	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/12/16 12:53	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		10		10/12/16 12:53	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17B **Lab ID: 40139605008** Collected: 10/04/16 11:38 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 14:43	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 14:43	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 14:43	79-00-5	
1,1-Dichloroethane	0.45J	ug/L	1.0	0.24	1		10/12/16 14:43	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 14:43	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 14:43	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 14:43	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 14:43	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 14:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 14:43	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/12/16 14:43	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 14:43	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 14:43	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 14:43	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 14:43	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 14:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 14:43	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 14:43	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 14:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 14:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 14:43	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/12/16 14:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 14:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 14:43	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 14:43	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 14:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 14:43	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 14:43	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-17B **Lab ID: 40139605008** Collected: 10/04/16 11:38 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 14:43	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 14:43	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	108-88-3	
Trichloroethene	0.99J	ug/L	1.0	0.33	1		10/12/16 14:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 14:43	75-69-4	
Vinyl chloride	0.22J	ug/L	1.0	0.18	1		10/12/16 14:43	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/12/16 14:43	1330-20-7	
cis-1,2-Dichloroethene	0.41J	ug/L	1.0	0.26	1		10/12/16 14:43	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/12/16 14:43	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 14:43	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 14:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 14:43	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 14:43	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 14:43	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/12/16 14:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/12/16 14:43	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/12/16 14:43	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-18 **Lab ID: 40139605009** Collected: 10/04/16 12:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 17:25	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 17:25	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 17:25	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/12/16 17:25	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 17:25	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 17:25	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 17:25	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 17:25	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 17:25	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 17:25	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/12/16 17:25	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 17:25	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 17:25	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 17:25	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 17:25	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 17:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 17:25	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 17:25	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 17:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 17:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 17:25	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/12/16 17:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 17:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 17:25	74-95-3	
Dichlorodifluoromethane	2.4	ug/L	1.0	0.22	1		10/12/16 17:25	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 17:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 17:25	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 17:25	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40139605

Sample: W-18 **Lab ID: 40139605009** Collected: 10/04/16 12:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 17:25	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 17:25	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/12/16 17:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 17:25	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/12/16 17:25	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/12/16 17:25	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 17:25	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/12/16 17:25	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:25	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 17:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 17:25	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 17:25	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 17:25	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		10/12/16 17:25	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 17:25	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/12/16 17:25	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-18A **Lab ID: 40139605010** Collected: 10/04/16 12:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 17:47	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 17:47	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 17:47	79-00-5	
1,1-Dichloroethane	6.5	ug/L	1.0	0.24	1		10/12/16 17:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 17:47	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 17:47	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 17:47	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 17:47	120-82-1	
1,2,4-Trimethylbenzene	11.1	ug/L	1.0	0.50	1		10/12/16 17:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 17:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 17:47	106-93-4	
1,2-Dichlorobenzene	0.54J	ug/L	1.0	0.50	1		10/12/16 17:47	95-50-1	
1,2-Dichloroethane	1.0J	ug/L	1.0	0.17	1		10/12/16 17:47	107-06-2	
1,2-Dichloropropane	0.46J	ug/L	1.0	0.23	1		10/12/16 17:47	78-87-5	
1,3,5-Trimethylbenzene	1.3	ug/L	1.0	0.50	1		10/12/16 17:47	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 17:47	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 17:47	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 17:47	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 17:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 17:47	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 17:47	67-64-1	
Benzene	1.8	ug/L	1.0	0.50	1		10/12/16 17:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 17:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 17:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 17:47	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	108-90-7	
Chloroethane	10.7	ug/L	1.0	0.37	1		10/12/16 17:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 17:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 17:47	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 17:47	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	108-20-3	
Ethylbenzene	117	ug/L	1.0	0.50	1		10/12/16 17:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 17:47	87-68-3	
Isopropylbenzene (Cumene)	1.6	ug/L	1.0	0.14	1		10/12/16 17:47	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 17:47	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-18A **Lab ID: 40139605010** Collected: 10/04/16 12:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	1.2	ug/L	1.0	0.23	1		10/12/16 17:47	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 17:47	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	127-18-4	
Toluene	4.9	ug/L	1.0	0.50	1		10/12/16 17:47	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/12/16 17:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 17:47	75-69-4	
Vinyl chloride	1.0	ug/L	1.0	0.18	1		10/12/16 17:47	75-01-4	
Xylene (Total)	277	ug/L	3.0	1.5	1		10/12/16 17:47	1330-20-7	
cis-1,2-Dichloroethene	0.84J	ug/L	1.0	0.26	1		10/12/16 17:47	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	10061-01-5	
m&p-Xylene	214	ug/L	2.0	1.0	1		10/12/16 17:47	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	104-51-8	
n-Propylbenzene	1.1	ug/L	1.0	0.50	1		10/12/16 17:47	103-65-1	
o-Xylene	62.5	ug/L	1.0	0.50	1		10/12/16 17:47	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 17:47	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 17:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 17:47	98-06-6	
trans-1,2-Dichloroethene	0.86J	ug/L	1.0	0.26	1		10/12/16 17:47	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 17:47	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/12/16 17:47	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/12/16 17:47	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/12/16 17:47	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-19R **Lab ID: 40139605011** Collected: 10/04/16 13:56 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		10/12/16 13:15	630-20-6	
1,1,1-Trichloroethane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		10/12/16 13:15	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/L	100	19.7	100		10/12/16 13:15	79-00-5	
1,1-Dichloroethane	<24.2	ug/L	100	24.2	100		10/12/16 13:15	75-34-3	
1,1-Dichloroethene	<41.0	ug/L	100	41.0	100		10/12/16 13:15	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		10/12/16 13:15	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		10/12/16 13:15	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		10/12/16 13:15	120-82-1	
1,2,4-Trimethylbenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		10/12/16 13:15	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		10/12/16 13:15	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	95-50-1	
1,2-Dichloroethane	132	ug/L	100	16.8	100		10/12/16 13:15	107-06-2	
1,2-Dichloropropane	<23.3	ug/L	100	23.3	100		10/12/16 13:15	78-87-5	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		10/12/16 13:15	594-20-7	
2-Butanone (MEK)	420J	ug/L	2000	298	100		10/12/16 13:15	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	95-49-8	
2-Propanol	2900J	ug/L	25000	2430	100		10/12/16 13:15	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		10/12/16 13:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	6570	ug/L	500	214	100		10/12/16 13:15	108-10-1	
Acetone	1610J	ug/L	2000	295	100		10/12/16 13:15	67-64-1	
Benzene	131	ug/L	100	50.0	100		10/12/16 13:15	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		10/12/16 13:15	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		10/12/16 13:15	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		10/12/16 13:15	75-25-2	
Bromomethane	<243	ug/L	500	243	100		10/12/16 13:15	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		10/12/16 13:15	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	108-90-7	
Chloroethane	492	ug/L	100	37.5	100		10/12/16 13:15	75-00-3	
Chloroform	<250	ug/L	500	250	100		10/12/16 13:15	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		10/12/16 13:15	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		10/12/16 13:15	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		10/12/16 13:15	75-71-8	
Diisopropyl ether	64.1J	ug/L	100	50.0	100		10/12/16 13:15	108-20-3	
Ethylbenzene	136	ug/L	100	50.0	100		10/12/16 13:15	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		10/12/16 13:15	87-68-3	
Isopropylbenzene (Cumene)	<14.3	ug/L	100	14.3	100		10/12/16 13:15	98-82-8	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		10/12/16 13:15	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-19R **Lab ID: 40139605011** Collected: 10/04/16 13:56 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<23.3	ug/L	100	23.3	100		10/12/16 13:15	75-09-2	
Naphthalene	<250	ug/L	500	250	100		10/12/16 13:15	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	100-42-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	127-18-4	
Toluene	17300	ug/L	100	50.0	100		10/12/16 13:15	108-88-3	
Trichloroethene	<33.1	ug/L	100	33.1	100		10/12/16 13:15	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		10/12/16 13:15	75-69-4	
Vinyl chloride	<17.6	ug/L	100	17.6	100		10/12/16 13:15	75-01-4	
Xylene (Total)	332	ug/L	300	150	100		10/12/16 13:15	1330-20-7	
cis-1,2-Dichloroethene	<25.6	ug/L	100	25.6	100		10/12/16 13:15	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	10061-01-5	
m&p-Xylene	197J	ug/L	200	100	100		10/12/16 13:15	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	103-65-1	
o-Xylene	135	ug/L	100	50.0	100		10/12/16 13:15	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		10/12/16 13:15	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		10/12/16 13:15	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		10/12/16 13:15	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		10/12/16 13:15	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		10/12/16 13:15	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		100		10/12/16 13:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		100		10/12/16 13:15	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		100		10/12/16 13:15	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: METHOD BLANK **Lab ID: 40139605012** Collected: 10/04/16 14:05 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 16:19	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 16:19	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 16:19	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/12/16 16:19	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 16:19	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 16:19	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 16:19	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 16:19	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 16:19	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 16:19	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/12/16 16:19	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 16:19	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 16:19	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 16:19	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 16:19	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 16:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 16:19	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 16:19	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 16:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 16:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 16:19	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/12/16 16:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 16:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 16:19	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 16:19	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 16:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 16:19	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 16:19	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: METHOD BLANK **Lab ID: 40139605012** Collected: 10/04/16 14:05 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 16:19	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 16:19	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/12/16 16:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 16:19	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/12/16 16:19	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/12/16 16:19	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 16:19	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/12/16 16:19	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:19	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 16:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 16:19	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/12/16 16:19	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 16:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/12/16 16:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 16:19	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		10/12/16 16:19	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-22 **Lab ID: 40139605013** Collected: 10/04/16 12:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/16 07:38	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/16 07:38	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/16 07:38	79-00-5	
1,1-Dichloroethane	2.4	ug/L	1.0	0.24	1		10/13/16 07:38	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/16 07:38	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/16 07:38	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/16 07:38	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/16 07:38	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/16 07:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/16 07:38	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	95-50-1	
1,2-Dichloroethane	0.30J	ug/L	1.0	0.17	1		10/13/16 07:38	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/16 07:38	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/16 07:38	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/13/16 07:38	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/13/16 07:38	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/16 07:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/13/16 07:38	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/13/16 07:38	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/16 07:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/16 07:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/16 07:38	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	108-90-7	
Chloroethane	1.2	ug/L	1.0	0.37	1		10/13/16 07:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/16 07:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/16 07:38	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/16 07:38	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	108-20-3	
Ethylbenzene	1.4	ug/L	1.0	0.50	1		10/13/16 07:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/16 07:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/16 07:38	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/16 07:38	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-22 **Lab ID: 40139605013** Collected: 10/04/16 12:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/16 07:38	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/16 07:38	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	127-18-4	
Toluene	3.5	ug/L	1.0	0.50	1		10/13/16 07:38	108-88-3	
Trichloroethene	4.3	ug/L	1.0	0.33	1		10/13/16 07:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/16 07:38	75-69-4	
Vinyl chloride	6.2	ug/L	1.0	0.18	1		10/13/16 07:38	75-01-4	
Xylene (Total)	7.8	ug/L	3.0	1.5	1		10/13/16 07:38	1330-20-7	
cis-1,2-Dichloroethene	10.3	ug/L	1.0	0.26	1		10/13/16 07:38	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	10061-01-5	
m&p-Xylene	1.7J	ug/L	2.0	1.0	1		10/13/16 07:38	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	103-65-1	
o-Xylene	6.1	ug/L	1.0	0.50	1		10/13/16 07:38	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/16 07:38	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/16 07:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/16 07:38	98-06-6	
trans-1,2-Dichloroethene	0.56J	ug/L	1.0	0.26	1		10/13/16 07:38	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/16 07:38	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		10/13/16 07:38	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/13/16 07:38	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/13/16 07:38	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-26 **Lab ID: 40139605014** Collected: 10/04/16 14:27 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/12/16 16:41	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/12/16 16:41	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/12/16 16:41	79-00-5	
1,1-Dichloroethane	1.4	ug/L	1.0	0.24	1		10/12/16 16:41	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/12/16 16:41	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/12/16 16:41	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/12/16 16:41	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 16:41	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/12/16 16:41	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/12/16 16:41	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	95-50-1	
1,2-Dichloroethane	0.65J	ug/L	1.0	0.17	1		10/12/16 16:41	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/12/16 16:41	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/12/16 16:41	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/12/16 16:41	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/12/16 16:41	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/12/16 16:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/12/16 16:41	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/12/16 16:41	67-64-1	
Benzene	1.2	ug/L	1.0	0.50	1		10/12/16 16:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/12/16 16:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/12/16 16:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/12/16 16:41	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	108-90-7	
Chloroethane	1.2	ug/L	1.0	0.37	1		10/12/16 16:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/12/16 16:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/12/16 16:41	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/12/16 16:41	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	108-20-3	
Ethylbenzene	1.7	ug/L	1.0	0.50	1		10/12/16 16:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/12/16 16:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/12/16 16:41	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/12/16 16:41	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-26 **Lab ID: 40139605014** Collected: 10/04/16 14:27 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/12/16 16:41	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/12/16 16:41	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	127-18-4	
Toluene	218	ug/L	1.0	0.50	1		10/12/16 16:41	108-88-3	
Trichloroethene	18.9	ug/L	1.0	0.33	1		10/12/16 16:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/12/16 16:41	75-69-4	
Vinyl chloride	2.2	ug/L	1.0	0.18	1		10/12/16 16:41	75-01-4	
Xylene (Total)	3.1	ug/L	3.0	1.5	1		10/12/16 16:41	1330-20-7	
cis-1,2-Dichloroethene	7.3	ug/L	1.0	0.26	1		10/12/16 16:41	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	10061-01-5	
m&p-Xylene	1.7J	ug/L	2.0	1.0	1		10/12/16 16:41	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	103-65-1	
o-Xylene	1.5	ug/L	1.0	0.50	1		10/12/16 16:41	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/12/16 16:41	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/12/16 16:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/12/16 16:41	98-06-6	
trans-1,2-Dichloroethene	2.3	ug/L	1.0	0.26	1		10/12/16 16:41	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/12/16 16:41	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/12/16 16:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/12/16 16:41	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/12/16 16:41	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-27 **Lab ID: 40139605015** Collected: 10/04/16 11:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/16 08:00	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/16 08:00	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/16 08:00	79-00-5	
1,1-Dichloroethane	1.5	ug/L	1.0	0.24	1		10/13/16 08:00	75-34-3	
1,1-Dichloroethene	0.47J	ug/L	1.0	0.41	1		10/13/16 08:00	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/16 08:00	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/16 08:00	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/16 08:00	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/16 08:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/16 08:00	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/16 08:00	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/16 08:00	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/16 08:00	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/13/16 08:00	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/13/16 08:00	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/16 08:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/13/16 08:00	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/13/16 08:00	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/16 08:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/16 08:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/16 08:00	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/16 08:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/16 08:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/16 08:00	74-95-3	
Dichlorodifluoromethane	2.5	ug/L	1.0	0.22	1		10/13/16 08:00	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/16 08:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/16 08:00	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/16 08:00	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-27 **Lab ID: 40139605015** Collected: 10/04/16 11:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/16 08:00	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/16 08:00	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	108-88-3	
Trichloroethene	3.9	ug/L	1.0	0.33	1		10/13/16 08:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/16 08:00	75-69-4	
Vinyl chloride	1.3	ug/L	1.0	0.18	1		10/13/16 08:00	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/13/16 08:00	1330-20-7	
cis-1,2-Dichloroethene	3.3	ug/L	1.0	0.26	1		10/13/16 08:00	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/16 08:00	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/16 08:00	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/16 08:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/16 08:00	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/16 08:00	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/16 08:00	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	93	%	70-130		1		10/13/16 08:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/13/16 08:00	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/13/16 08:00	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-28 **Lab ID: 40139605016** Collected: 10/04/16 13:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:23	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 21:23	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 21:23	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/16 21:23	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 21:23	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 21:23	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:23	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:23	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 21:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 21:23	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 21:23	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 21:23	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 21:23	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 21:23	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 21:23	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 21:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 21:23	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 21:23	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 21:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 21:23	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 21:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 21:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 21:23	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 21:23	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 21:23	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 21:23	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-28 **Lab ID: 40139605016** Collected: 10/04/16 13:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 21:23	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 21:23	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/16 21:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:23	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 21:23	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 21:23	1330-20-7	
cis-1,2-Dichloroethene	0.32J	ug/L	1.0	0.26	1		10/14/16 21:23	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 21:23	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:23	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 21:23	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 21:23	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:23	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		1		10/14/16 21:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 21:23	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/14/16 21:23	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-31A **Lab ID: 40139605017** Collected: 10/04/16 14:50 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<72.2	ug/L	400	72.2	400		10/14/16 23:54	630-20-6	
1,1,1-Trichloroethane	<200	ug/L	400	200	400		10/14/16 23:54	71-55-6	
1,1,2,2-Tetrachloroethane	<99.7	ug/L	400	99.7	400		10/14/16 23:54	79-34-5	
1,1,2-Trichloroethane	<79.0	ug/L	400	79.0	400		10/14/16 23:54	79-00-5	
1,1-Dichloroethane	232J	ug/L	400	96.6	400		10/14/16 23:54	75-34-3	
1,1-Dichloroethene	<164	ug/L	400	164	400		10/14/16 23:54	75-35-4	
1,1-Dichloropropene	<176	ug/L	400	176	400		10/14/16 23:54	563-58-6	
1,2,3-Trichlorobenzene	<853	ug/L	2000	853	400		10/14/16 23:54	87-61-6	
1,2,3-Trichloropropane	<200	ug/L	400	200	400		10/14/16 23:54	96-18-4	
1,2,4-Trichlorobenzene	<884	ug/L	2000	884	400		10/14/16 23:54	120-82-1	
1,2,4-Trimethylbenzene	<200	ug/L	400	200	400		10/14/16 23:54	95-63-6	
1,2-Dibromo-3-chloropropane	<866	ug/L	2000	866	400		10/14/16 23:54	96-12-8	
1,2-Dibromoethane (EDB)	<71.1	ug/L	400	71.1	400		10/14/16 23:54	106-93-4	
1,2-Dichlorobenzene	<200	ug/L	400	200	400		10/14/16 23:54	95-50-1	
1,2-Dichloroethane	147J	ug/L	400	67.2	400		10/14/16 23:54	107-06-2	
1,2-Dichloropropane	<93.2	ug/L	400	93.2	400		10/14/16 23:54	78-87-5	
1,3,5-Trimethylbenzene	<200	ug/L	400	200	400		10/14/16 23:54	108-67-8	
1,3-Dichlorobenzene	<200	ug/L	400	200	400		10/14/16 23:54	541-73-1	
1,3-Dichloropropane	<200	ug/L	400	200	400		10/14/16 23:54	142-28-9	
1,4-Dichlorobenzene	<200	ug/L	400	200	400		10/14/16 23:54	106-46-7	
2,2-Dichloropropane	<194	ug/L	400	194	400		10/14/16 23:54	594-20-7	
2-Butanone (MEK)	29600	ug/L	8000	1190	400		10/14/16 23:54	78-93-3	
2-Chlorotoluene	<200	ug/L	400	200	400		10/14/16 23:54	95-49-8	
2-Propanol	122000	ug/L	100000	9740	400		10/14/16 23:54	67-63-0	
4-Chlorotoluene	<85.5	ug/L	400	85.5	400		10/14/16 23:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	10900	ug/L	2000	856	400		10/14/16 23:54	108-10-1	
Acetone	86300	ug/L	8000	1180	400		10/14/16 23:54	67-64-1	
Benzene	<200	ug/L	400	200	400		10/14/16 23:54	71-43-2	
Bromobenzene	<92.0	ug/L	400	92.0	400		10/14/16 23:54	108-86-1	
Bromochloromethane	<136	ug/L	400	136	400		10/14/16 23:54	74-97-5	
Bromodichloromethane	<200	ug/L	400	200	400		10/14/16 23:54	75-27-4	
Bromoform	<200	ug/L	400	200	400		10/14/16 23:54	75-25-2	
Bromomethane	<974	ug/L	2000	974	400		10/14/16 23:54	74-83-9	
Carbon tetrachloride	<200	ug/L	400	200	400		10/14/16 23:54	56-23-5	
Chlorobenzene	<200	ug/L	400	200	400		10/14/16 23:54	108-90-7	
Chloroethane	943	ug/L	400	150	400		10/14/16 23:54	75-00-3	
Chloroform	<1000	ug/L	2000	1000	400		10/14/16 23:54	67-66-3	
Chloromethane	<200	ug/L	400	200	400		10/14/16 23:54	74-87-3	
Dibromochloromethane	<200	ug/L	400	200	400		10/14/16 23:54	124-48-1	
Dibromomethane	<171	ug/L	400	171	400		10/14/16 23:54	74-95-3	
Dichlorodifluoromethane	<89.7	ug/L	400	89.7	400		10/14/16 23:54	75-71-8	
Diisopropyl ether	<200	ug/L	400	200	400		10/14/16 23:54	108-20-3	
Ethylbenzene	986	ug/L	400	200	400		10/14/16 23:54	100-41-4	
Hexachloro-1,3-butadiene	<842	ug/L	2000	842	400		10/14/16 23:54	87-68-3	
Isopropylbenzene (Cumene)	<57.3	ug/L	400	57.3	400		10/14/16 23:54	98-82-8	
Methyl-tert-butyl ether	<69.7	ug/L	400	69.7	400		10/14/16 23:54	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-31A **Lab ID: 40139605017** Collected: 10/04/16 14:50 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	265J	ug/L	400	93.0	400		10/14/16 23:54	75-09-2	
Naphthalene	<1000	ug/L	2000	1000	400		10/14/16 23:54	91-20-3	
Styrene	<200	ug/L	400	200	400		10/14/16 23:54	100-42-5	
Tetrachloroethene	<200	ug/L	400	200	400		10/14/16 23:54	127-18-4	
Toluene	22800	ug/L	400	200	400		10/14/16 23:54	108-88-3	
Trichloroethene	<132	ug/L	400	132	400		10/14/16 23:54	79-01-6	
Trichlorofluoromethane	<74.0	ug/L	400	74.0	400		10/14/16 23:54	75-69-4	
Vinyl chloride	<70.2	ug/L	400	70.2	400		10/14/16 23:54	75-01-4	
Xylene (Total)	3590	ug/L	1200	600	400		10/14/16 23:54	1330-20-7	
cis-1,2-Dichloroethene	317J	ug/L	400	102	400		10/14/16 23:54	156-59-2	
cis-1,3-Dichloropropene	<200	ug/L	400	200	400		10/14/16 23:54	10061-01-5	
m&p-Xylene	2700	ug/L	800	400	400		10/14/16 23:54	179601-23-1	
n-Butylbenzene	<200	ug/L	400	200	400		10/14/16 23:54	104-51-8	
n-Propylbenzene	<200	ug/L	400	200	400		10/14/16 23:54	103-65-1	
o-Xylene	882	ug/L	400	200	400		10/14/16 23:54	95-47-6	
p-Isopropyltoluene	<200	ug/L	400	200	400		10/14/16 23:54	99-87-6	
sec-Butylbenzene	<874	ug/L	2000	874	400		10/14/16 23:54	135-98-8	
tert-Butylbenzene	<72.1	ug/L	400	72.1	400		10/14/16 23:54	98-06-6	
trans-1,2-Dichloroethene	<103	ug/L	400	103	400		10/14/16 23:54	156-60-5	
trans-1,3-Dichloropropene	<91.8	ug/L	400	91.8	400		10/14/16 23:54	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		400		10/14/16 23:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		400		10/14/16 23:54	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		400		10/14/16 23:54	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-31B **Lab ID: 40139605018** Collected: 10/04/16 15:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/15/16 00:16	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/15/16 00:16	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/15/16 00:16	79-00-5	
1,1-Dichloroethane	4.2J	ug/L	10.0	2.4	10		10/15/16 00:16	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/15/16 00:16	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/15/16 00:16	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/15/16 00:16	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/15/16 00:16	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/15/16 00:16	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/15/16 00:16	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		10/15/16 00:16	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/15/16 00:16	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/15/16 00:16	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/15/16 00:16	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/15/16 00:16	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/15/16 00:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/15/16 00:16	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		10/15/16 00:16	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/15/16 00:16	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/15/16 00:16	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/15/16 00:16	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	108-90-7	
Chloroethane	7.6J	ug/L	10.0	3.7	10		10/15/16 00:16	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/15/16 00:16	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/15/16 00:16	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/15/16 00:16	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	108-20-3	
Ethylbenzene	19.1	ug/L	10.0	5.0	10		10/15/16 00:16	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/15/16 00:16	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/15/16 00:16	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/15/16 00:16	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-31B **Lab ID: 40139605018** Collected: 10/04/16 15:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	3.9J	ug/L	10.0	2.3	10		10/15/16 00:16	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/15/16 00:16	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	127-18-4	
Toluene	432	ug/L	10.0	5.0	10		10/15/16 00:16	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/15/16 00:16	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/15/16 00:16	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		10/15/16 00:16	75-01-4	
Xylene (Total)	60.2	ug/L	30.0	15.0	10		10/15/16 00:16	1330-20-7	
cis-1,2-Dichloroethene	5.0J	ug/L	10.0	2.6	10		10/15/16 00:16	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	10061-01-5	
m&p-Xylene	45.1	ug/L	20.0	10.0	10		10/15/16 00:16	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	103-65-1	
o-Xylene	15.1	ug/L	10.0	5.0	10		10/15/16 00:16	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 00:16	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/15/16 00:16	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/15/16 00:16	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/15/16 00:16	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/15/16 00:16	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		10		10/15/16 00:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		10/15/16 00:16	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		10		10/15/16 00:16	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-32 **Lab ID: 40139605019** Collected: 10/05/16 08:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		10/15/16 00:37	630-20-6	
1,1,1-Trichloroethane	8880	ug/L	50.0	25.0	50		10/15/16 00:37	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		10/15/16 00:37	79-34-5	
1,1,2-Trichloroethane	26.7J	ug/L	50.0	9.9	50		10/15/16 00:37	79-00-5	
1,1-Dichloroethane	141	ug/L	50.0	12.1	50		10/15/16 00:37	75-34-3	
1,1-Dichloroethene	373	ug/L	50.0	20.5	50		10/15/16 00:37	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		10/15/16 00:37	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		10/15/16 00:37	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		10/15/16 00:37	120-82-1	
1,2,4-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		10/15/16 00:37	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		10/15/16 00:37	106-93-4	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	95-50-1	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		10/15/16 00:37	107-06-2	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		10/15/16 00:37	78-87-5	
1,3,5-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		10/15/16 00:37	594-20-7	
2-Butanone (MEK)	<149	ug/L	1000	149	50		10/15/16 00:37	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	95-49-8	
2-Propanol	<1220	ug/L	12500	1220	50		10/15/16 00:37	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		10/15/16 00:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	<107	ug/L	250	107	50		10/15/16 00:37	108-10-1	
Acetone	<148	ug/L	1000	148	50		10/15/16 00:37	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		10/15/16 00:37	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		10/15/16 00:37	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	75-25-2	
Bromomethane	<122	ug/L	250	122	50		10/15/16 00:37	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		10/15/16 00:37	75-00-3	
Chloroform	<125	ug/L	250	125	50		10/15/16 00:37	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		10/15/16 00:37	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		10/15/16 00:37	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	108-20-3	
Ethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		10/15/16 00:37	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		10/15/16 00:37	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		10/15/16 00:37	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-32 **Lab ID: 40139605019** Collected: 10/05/16 08:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		10/15/16 00:37	75-09-2	
Naphthalene	<125	ug/L	250	125	50		10/15/16 00:37	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	100-42-5	
Tetrachloroethene	4500	ug/L	50.0	25.0	50		10/15/16 00:37	127-18-4	
Toluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	108-88-3	
Trichloroethene	7360	ug/L	50.0	16.5	50		10/15/16 00:37	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		10/15/16 00:37	75-69-4	
Vinyl chloride	<8.8	ug/L	50.0	8.8	50		10/15/16 00:37	75-01-4	
Xylene (Total)	<75.0	ug/L	150	75.0	50		10/15/16 00:37	1330-20-7	
cis-1,2-Dichloroethene	362	ug/L	50.0	12.8	50		10/15/16 00:37	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	10061-01-5	
m&p-Xylene	<50.0	ug/L	100	50.0	50		10/15/16 00:37	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	104-51-8	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	103-65-1	
o-Xylene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:37	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		10/15/16 00:37	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		10/15/16 00:37	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		10/15/16 00:37	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		10/15/16 00:37	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		50		10/15/16 00:37	1868-53-7	
Toluene-d8 (S)	98	%	70-130		50		10/15/16 00:37	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		50		10/15/16 00:37	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-32 DUP **Lab ID: 40139605020** Collected: 10/05/16 08:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		10/15/16 00:59	630-20-6	
1,1,1-Trichloroethane	8880	ug/L	50.0	25.0	50		10/15/16 00:59	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		10/15/16 00:59	79-34-5	
1,1,2-Trichloroethane	23.9J	ug/L	50.0	9.9	50		10/15/16 00:59	79-00-5	
1,1-Dichloroethane	143	ug/L	50.0	12.1	50		10/15/16 00:59	75-34-3	
1,1-Dichloroethene	358	ug/L	50.0	20.5	50		10/15/16 00:59	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		10/15/16 00:59	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		10/15/16 00:59	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		10/15/16 00:59	120-82-1	
1,2,4-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		10/15/16 00:59	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		10/15/16 00:59	106-93-4	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	95-50-1	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		10/15/16 00:59	107-06-2	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		10/15/16 00:59	78-87-5	
1,3,5-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		10/15/16 00:59	594-20-7	
2-Butanone (MEK)	<149	ug/L	1000	149	50		10/15/16 00:59	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	95-49-8	
2-Propanol	<1220	ug/L	12500	1220	50		10/15/16 00:59	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		10/15/16 00:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	<107	ug/L	250	107	50		10/15/16 00:59	108-10-1	
Acetone	<148	ug/L	1000	148	50		10/15/16 00:59	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		10/15/16 00:59	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		10/15/16 00:59	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	75-25-2	
Bromomethane	<122	ug/L	250	122	50		10/15/16 00:59	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		10/15/16 00:59	75-00-3	
Chloroform	<125	ug/L	250	125	50		10/15/16 00:59	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		10/15/16 00:59	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		10/15/16 00:59	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	108-20-3	
Ethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		10/15/16 00:59	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		10/15/16 00:59	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		10/15/16 00:59	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-32 DUP **Lab ID: 40139605020** Collected: 10/05/16 08:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		10/15/16 00:59	75-09-2	
Naphthalene	<125	ug/L	250	125	50		10/15/16 00:59	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	100-42-5	
Tetrachloroethene	4490	ug/L	50.0	25.0	50		10/15/16 00:59	127-18-4	
Toluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	108-88-3	
Trichloroethene	7280	ug/L	50.0	16.5	50		10/15/16 00:59	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		10/15/16 00:59	75-69-4	
Vinyl chloride	<8.8	ug/L	50.0	8.8	50		10/15/16 00:59	75-01-4	
Xylene (Total)	<75.0	ug/L	150	75.0	50		10/15/16 00:59	1330-20-7	
cis-1,2-Dichloroethene	373	ug/L	50.0	12.8	50		10/15/16 00:59	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	10061-01-5	
m&p-Xylene	<50.0	ug/L	100	50.0	50		10/15/16 00:59	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	104-51-8	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	103-65-1	
o-Xylene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 00:59	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		10/15/16 00:59	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		10/15/16 00:59	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		10/15/16 00:59	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		10/15/16 00:59	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		50		10/15/16 00:59	1868-53-7	
Toluene-d8 (S)	98	%	70-130		50		10/15/16 00:59	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		50		10/15/16 00:59	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-33 **Lab ID: 40139605021** Collected: 10/04/16 15:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		10/15/16 01:20	630-20-6	
1,1,1-Trichloroethane	3780	ug/L	50.0	25.0	50		10/15/16 01:20	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		10/15/16 01:20	79-34-5	
1,1,2-Trichloroethane	23.2J	ug/L	50.0	9.9	50		10/15/16 01:20	79-00-5	
1,1-Dichloroethane	3420	ug/L	50.0	12.1	50		10/15/16 01:20	75-34-3	
1,1-Dichloroethene	92.0	ug/L	50.0	20.5	50		10/15/16 01:20	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		10/15/16 01:20	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		10/15/16 01:20	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		10/15/16 01:20	120-82-1	
1,2,4-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		10/15/16 01:20	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		10/15/16 01:20	106-93-4	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	95-50-1	
1,2-Dichloroethane	22.2J	ug/L	50.0	8.4	50		10/15/16 01:20	107-06-2	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		10/15/16 01:20	78-87-5	
1,3,5-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		10/15/16 01:20	594-20-7	
2-Butanone (MEK)	<149	ug/L	1000	149	50		10/15/16 01:20	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	95-49-8	
2-Propanol	<1220	ug/L	12500	1220	50		10/15/16 01:20	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		10/15/16 01:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	<107	ug/L	250	107	50		10/15/16 01:20	108-10-1	
Acetone	<148	ug/L	1000	148	50		10/15/16 01:20	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		10/15/16 01:20	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		10/15/16 01:20	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	75-25-2	
Bromomethane	<122	ug/L	250	122	50		10/15/16 01:20	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	108-90-7	
Chloroethane	235	ug/L	50.0	18.7	50		10/15/16 01:20	75-00-3	
Chloroform	<125	ug/L	250	125	50		10/15/16 01:20	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		10/15/16 01:20	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		10/15/16 01:20	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	108-20-3	
Ethylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		10/15/16 01:20	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		10/15/16 01:20	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		10/15/16 01:20	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: W-33 **Lab ID: 40139605021** Collected: 10/04/16 15:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	106	ug/L	50.0	11.6	50		10/15/16 01:20	75-09-2	
Naphthalene	<125	ug/L	250	125	50		10/15/16 01:20	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	100-42-5	
Tetrachloroethene	240	ug/L	50.0	25.0	50		10/15/16 01:20	127-18-4	
Toluene	213	ug/L	50.0	25.0	50		10/15/16 01:20	108-88-3	
Trichloroethene	240	ug/L	50.0	16.5	50		10/15/16 01:20	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		10/15/16 01:20	75-69-4	
Vinyl chloride	116	ug/L	50.0	8.8	50		10/15/16 01:20	75-01-4	
Xylene (Total)	84.0J	ug/L	150	75.0	50		10/15/16 01:20	1330-20-7	
cis-1,2-Dichloroethene	13600	ug/L	50.0	12.8	50		10/15/16 01:20	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	10061-01-5	
m&p-Xylene	<50.0	ug/L	100	50.0	50		10/15/16 01:20	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	104-51-8	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	103-65-1	
o-Xylene	45.4J	ug/L	50.0	25.0	50		10/15/16 01:20	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		10/15/16 01:20	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		10/15/16 01:20	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		10/15/16 01:20	98-06-6	
trans-1,2-Dichloroethene	48.2J	ug/L	50.0	12.8	50		10/15/16 01:20	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		10/15/16 01:20	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		50		10/15/16 01:20	1868-53-7	
Toluene-d8 (S)	97	%	70-130		50		10/15/16 01:20	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		50		10/15/16 01:20	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111 **Lab ID: 40139605023** Collected: 10/04/16 11:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:45	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 21:45	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 21:45	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/16 21:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 21:45	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 21:45	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:45	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:45	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 21:45	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 21:45	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 21:45	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 21:45	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 21:45	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 21:45	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 21:45	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 21:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 21:45	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 21:45	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 21:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 21:45	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 21:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 21:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 21:45	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 21:45	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 21:45	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 21:45	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111 **Lab ID: 40139605023** Collected: 10/04/16 11:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 21:45	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 21:45	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/16 21:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:45	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 21:45	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 21:45	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 21:45	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 21:45	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:45	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 21:45	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 21:45	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:45	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1		10/14/16 21:45	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/14/16 21:45	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/14/16 21:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111A **Lab ID: 40139605024** Collected: 10/04/16 11:07 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		10/17/16 08:12	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		10/17/16 08:12	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		10/17/16 08:12	79-00-5	
1,1-Dichloroethane	7.5	ug/L	5.0	1.2	5		10/17/16 08:12	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		10/17/16 08:12	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		10/17/16 08:12	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		10/17/16 08:12	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		10/17/16 08:12	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		10/17/16 08:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		10/17/16 08:12	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	95-50-1	
1,2-Dichloroethane	30.8	ug/L	5.0	0.84	5		10/17/16 08:12	107-06-2	
1,2-Dichloropropane	1.9J	ug/L	5.0	1.2	5		10/17/16 08:12	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		10/17/16 08:12	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		10/17/16 08:12	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		10/17/16 08:12	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		10/17/16 08:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		10/17/16 08:12	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		10/17/16 08:12	67-64-1	
Benzene	3.2J	ug/L	5.0	2.5	5		10/17/16 08:12	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		10/17/16 08:12	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		10/17/16 08:12	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		10/17/16 08:12	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	108-90-7	
Chloroethane	285	ug/L	5.0	1.9	5		10/17/16 08:12	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		10/17/16 08:12	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		10/17/16 08:12	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		10/17/16 08:12	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		10/17/16 08:12	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		10/17/16 08:12	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		10/17/16 08:12	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111A **Lab ID: 40139605024** Collected: 10/04/16 11:07 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		10/17/16 08:12	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		10/17/16 08:12	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	127-18-4	
Toluene	24.3	ug/L	5.0	2.5	5		10/17/16 08:12	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		10/17/16 08:12	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		10/17/16 08:12	75-69-4	
Vinyl chloride	<0.88	ug/L	5.0	0.88	5		10/17/16 08:12	75-01-4	
Xylene (Total)	<7.5	ug/L	15.0	7.5	5		10/17/16 08:12	1330-20-7	
cis-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		10/17/16 08:12	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	10061-01-5	
m&p-Xylene	<5.0	ug/L	10.0	5.0	5		10/17/16 08:12	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	103-65-1	
o-Xylene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		10/17/16 08:12	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		10/17/16 08:12	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		10/17/16 08:12	98-06-6	
trans-1,2-Dichloroethene	2.3J	ug/L	5.0	1.3	5		10/17/16 08:12	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		10/17/16 08:12	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		5		10/17/16 08:12	1868-53-7	
Toluene-d8 (S)	98	%	70-130		5		10/17/16 08:12	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		5		10/17/16 08:12	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111B **Lab ID: 40139605025** Collected: 10/04/16 11:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/17/16 08:34	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/17/16 08:34	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/17/16 08:34	79-00-5	
1,1-Dichloroethane	8.8J	ug/L	10.0	2.4	10		10/17/16 08:34	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/17/16 08:34	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/17/16 08:34	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/17/16 08:34	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/17/16 08:34	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/17/16 08:34	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/17/16 08:34	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	95-50-1	
1,2-Dichloroethane	25.4	ug/L	10.0	1.7	10		10/17/16 08:34	107-06-2	
1,2-Dichloropropane	10.7	ug/L	10.0	2.3	10		10/17/16 08:34	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/17/16 08:34	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/17/16 08:34	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/17/16 08:34	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/17/16 08:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/17/16 08:34	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		10/17/16 08:34	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/17/16 08:34	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/17/16 08:34	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/17/16 08:34	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	108-90-7	
Chloroethane	363	ug/L	10.0	3.7	10		10/17/16 08:34	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/17/16 08:34	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/17/16 08:34	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/17/16 08:34	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/17/16 08:34	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/17/16 08:34	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/17/16 08:34	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-111B **Lab ID: 40139605025** Collected: 10/04/16 11:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/17/16 08:34	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/17/16 08:34	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	127-18-4	
Toluene	7.0J	ug/L	10.0	5.0	10		10/17/16 08:34	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/17/16 08:34	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/17/16 08:34	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		10/17/16 08:34	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/17/16 08:34	1330-20-7	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/17/16 08:34	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/17/16 08:34	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/17/16 08:34	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/17/16 08:34	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/17/16 08:34	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/17/16 08:34	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/17/16 08:34	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		10		10/17/16 08:34	1868-53-7	D3
Toluene-d8 (S)	98	%	70-130		10		10/17/16 08:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		10		10/17/16 08:34	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115 **Lab ID: 40139605026** Collected: 10/04/16 13:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/15/16 01:42	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/15/16 01:42	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/15/16 01:42	79-00-5	
1,1-Dichloroethane	78.3	ug/L	10.0	2.4	10		10/15/16 01:42	75-34-3	
1,1-Dichloroethene	9.0J	ug/L	10.0	4.1	10		10/15/16 01:42	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/15/16 01:42	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/15/16 01:42	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/15/16 01:42	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/15/16 01:42	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/15/16 01:42	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	95-50-1	
1,2-Dichloroethane	91.8	ug/L	10.0	1.7	10		10/15/16 01:42	107-06-2	
1,2-Dichloropropane	7.2J	ug/L	10.0	2.3	10		10/15/16 01:42	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/15/16 01:42	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/15/16 01:42	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/15/16 01:42	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/15/16 01:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	30.0J	ug/L	50.0	21.4	10		10/15/16 01:42	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		10/15/16 01:42	67-64-1	
Benzene	11.0	ug/L	10.0	5.0	10		10/15/16 01:42	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/15/16 01:42	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/15/16 01:42	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/15/16 01:42	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	108-90-7	
Chloroethane	1290	ug/L	10.0	3.7	10		10/15/16 01:42	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/15/16 01:42	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/15/16 01:42	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/15/16 01:42	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/15/16 01:42	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/15/16 01:42	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/15/16 01:42	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115 **Lab ID: 40139605026** Collected: 10/04/16 13:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	2.7J	ug/L	10.0	2.3	10		10/15/16 01:42	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/15/16 01:42	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	127-18-4	
Toluene	98.9	ug/L	10.0	5.0	10		10/15/16 01:42	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/15/16 01:42	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/15/16 01:42	75-69-4	
Vinyl chloride	48.6	ug/L	10.0	1.8	10		10/15/16 01:42	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/15/16 01:42	1330-20-7	
cis-1,2-Dichloroethene	35.5	ug/L	10.0	2.6	10		10/15/16 01:42	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/15/16 01:42	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 01:42	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/15/16 01:42	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/15/16 01:42	98-06-6	
trans-1,2-Dichloroethene	227	ug/L	10.0	2.6	10		10/15/16 01:42	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/15/16 01:42	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		10		10/15/16 01:42	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/15/16 01:42	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		10		10/15/16 01:42	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40139605

Sample: MW-115 DUP **Lab ID: 40139605027** Collected: 10/04/16 13:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/15/16 02:04	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/15/16 02:04	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/15/16 02:04	79-00-5	
1,1-Dichloroethane	84.2	ug/L	10.0	2.4	10		10/15/16 02:04	75-34-3	
1,1-Dichloroethene	7.0J	ug/L	10.0	4.1	10		10/15/16 02:04	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/15/16 02:04	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/15/16 02:04	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/15/16 02:04	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/15/16 02:04	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/15/16 02:04	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	95-50-1	
1,2-Dichloroethane	89.5	ug/L	10.0	1.7	10		10/15/16 02:04	107-06-2	
1,2-Dichloropropane	6.0J	ug/L	10.0	2.3	10		10/15/16 02:04	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/15/16 02:04	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/15/16 02:04	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/15/16 02:04	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/15/16 02:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	25.5J	ug/L	50.0	21.4	10		10/15/16 02:04	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		10/15/16 02:04	67-64-1	
Benzene	11.2	ug/L	10.0	5.0	10		10/15/16 02:04	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/15/16 02:04	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/15/16 02:04	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/15/16 02:04	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	108-90-7	
Chloroethane	975	ug/L	10.0	3.7	10		10/15/16 02:04	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/15/16 02:04	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/15/16 02:04	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/15/16 02:04	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/15/16 02:04	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/15/16 02:04	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/15/16 02:04	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115 DUP **Lab ID: 40139605027** Collected: 10/04/16 13:30 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	2.9J	ug/L	10.0	2.3	10		10/15/16 02:04	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/15/16 02:04	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	127-18-4	
Toluene	106	ug/L	10.0	5.0	10		10/15/16 02:04	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/15/16 02:04	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/15/16 02:04	75-69-4	
Vinyl chloride	39.4	ug/L	10.0	1.8	10		10/15/16 02:04	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/15/16 02:04	1330-20-7	
cis-1,2-Dichloroethene	33.3	ug/L	10.0	2.6	10		10/15/16 02:04	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/15/16 02:04	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/15/16 02:04	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/15/16 02:04	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/15/16 02:04	98-06-6	
trans-1,2-Dichloroethene	199	ug/L	10.0	2.6	10		10/15/16 02:04	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/15/16 02:04	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		10		10/15/16 02:04	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		10/15/16 02:04	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		10		10/15/16 02:04	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115A **Lab ID: 40139605028** Collected: 10/04/16 13:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		10/17/16 07:29	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		10/17/16 07:29	79-34-5	
1,1,2-Trichloroethane	8.4	ug/L	5.0	0.99	5		10/17/16 07:29	79-00-5	
1,1-Dichloroethane	207	ug/L	5.0	1.2	5		10/17/16 07:29	75-34-3	
1,1-Dichloroethene	105	ug/L	5.0	2.1	5		10/17/16 07:29	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		10/17/16 07:29	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		10/17/16 07:29	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		10/17/16 07:29	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		10/17/16 07:29	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		10/17/16 07:29	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	95-50-1	
1,2-Dichloroethane	6.2	ug/L	5.0	0.84	5		10/17/16 07:29	107-06-2	
1,2-Dichloropropane	6.9	ug/L	5.0	1.2	5		10/17/16 07:29	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		10/17/16 07:29	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		10/17/16 07:29	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		10/17/16 07:29	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		10/17/16 07:29	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		10/17/16 07:29	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		10/17/16 07:29	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		10/17/16 07:29	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		10/17/16 07:29	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		10/17/16 07:29	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		10/17/16 07:29	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		10/17/16 07:29	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		10/17/16 07:29	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		10/17/16 07:29	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		10/17/16 07:29	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		10/17/16 07:29	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		10/17/16 07:29	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115A **Lab ID: 40139605028** Collected: 10/04/16 13:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		10/17/16 07:29	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		10/17/16 07:29	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	108-88-3	
Trichloroethene	103	ug/L	5.0	1.7	5		10/17/16 07:29	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		10/17/16 07:29	75-69-4	
Vinyl chloride	5.5	ug/L	5.0	0.88	5		10/17/16 07:29	75-01-4	
Xylene (Total)	<7.5	ug/L	15.0	7.5	5		10/17/16 07:29	1330-20-7	
cis-1,2-Dichloroethene	1060	ug/L	5.0	1.3	5		10/17/16 07:29	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	10061-01-5	
m&p-Xylene	<5.0	ug/L	10.0	5.0	5		10/17/16 07:29	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	103-65-1	
o-Xylene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		10/17/16 07:29	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		10/17/16 07:29	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		10/17/16 07:29	98-06-6	
trans-1,2-Dichloroethene	22.2	ug/L	5.0	1.3	5		10/17/16 07:29	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		10/17/16 07:29	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		5		10/17/16 07:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		10/17/16 07:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		5		10/17/16 07:29	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115B **Lab ID: 40139605029** Collected: 10/04/16 13:05 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 22:49	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 22:49	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 22:49	79-00-5	
1,1-Dichloroethane	0.26J	ug/L	1.0	0.24	1		10/14/16 22:49	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 22:49	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 22:49	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 22:49	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 22:49	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 22:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 22:49	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 22:49	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 22:49	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 22:49	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 22:49	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 22:49	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 22:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 22:49	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 22:49	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 22:49	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 22:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 22:49	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 22:49	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 22:49	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 22:49	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 22:49	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 22:49	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 22:49	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 22:49	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: MW-115B **Lab ID: 40139605029** Collected: 10/04/16 13:05 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 22:49	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 22:49	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.33	1		10/14/16 22:49	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 22:49	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 22:49	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 22:49	1330-20-7	
cis-1,2-Dichloroethene	0.51J	ug/L	1.0	0.26	1		10/14/16 22:49	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 22:49	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 22:49	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 22:49	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 22:49	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 22:49	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 22:49	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		10/14/16 22:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 22:49	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/14/16 22:49	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: TW-1 **Lab ID:** 40139605030 Collected: 10/04/16 16:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/17/16 07:51	630-20-6	
1,1,1-Trichloroethane	8.3J	ug/L	10.0	5.0	10		10/17/16 07:51	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/17/16 07:51	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/17/16 07:51	79-00-5	
1,1-Dichloroethane	137	ug/L	10.0	2.4	10		10/17/16 07:51	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/17/16 07:51	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/17/16 07:51	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/17/16 07:51	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/17/16 07:51	120-82-1	
1,2,4-Trimethylbenzene	608	ug/L	10.0	5.0	10		10/17/16 07:51	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/17/16 07:51	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/17/16 07:51	106-93-4	
1,2-Dichlorobenzene	18.5	ug/L	10.0	5.0	10		10/17/16 07:51	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		10/17/16 07:51	107-06-2	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/17/16 07:51	78-87-5	
1,3,5-Trimethylbenzene	193	ug/L	10.0	5.0	10		10/17/16 07:51	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/17/16 07:51	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/17/16 07:51	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/17/16 07:51	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/17/16 07:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/17/16 07:51	108-10-1	
Acetone	29.8J	ug/L	200	29.5	10		10/17/16 07:51	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/17/16 07:51	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/17/16 07:51	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/17/16 07:51	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	108-90-7	
Chloroethane	72.6	ug/L	10.0	3.7	10		10/17/16 07:51	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/17/16 07:51	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/17/16 07:51	74-95-3	
Dichlorodifluoromethane	22.2	ug/L	10.0	2.2	10		10/17/16 07:51	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	108-20-3	
Ethylbenzene	860	ug/L	10.0	5.0	10		10/17/16 07:51	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/17/16 07:51	87-68-3	
Isopropylbenzene (Cumene)	51.4	ug/L	10.0	1.4	10		10/17/16 07:51	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/17/16 07:51	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: TW-1 **Lab ID: 40139605030** Collected: 10/04/16 16:15 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	4.0J	ug/L	10.0	2.3	10		10/17/16 07:51	75-09-2	
Naphthalene	67.3	ug/L	50.0	25.0	10		10/17/16 07:51	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	127-18-4	
Toluene	656	ug/L	10.0	5.0	10		10/17/16 07:51	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		10/17/16 07:51	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/17/16 07:51	75-69-4	
Vinyl chloride	14.3	ug/L	10.0	1.8	10		10/17/16 07:51	75-01-4	
Xylene (Total)	4290	ug/L	30.0	15.0	10		10/17/16 07:51	1330-20-7	
cis-1,2-Dichloroethene	14.5	ug/L	10.0	2.6	10		10/17/16 07:51	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	10061-01-5	
m&p-Xylene	3150	ug/L	20.0	10.0	10		10/17/16 07:51	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/16 07:51	104-51-8	
n-Propylbenzene	105	ug/L	10.0	5.0	10		10/17/16 07:51	103-65-1	
o-Xylene	1140	ug/L	10.0	5.0	10		10/17/16 07:51	95-47-6	
p-Isopropyltoluene	5.8J	ug/L	10.0	5.0	10		10/17/16 07:51	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/17/16 07:51	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/17/16 07:51	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/17/16 07:51	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/17/16 07:51	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		10		10/17/16 07:51	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		10/17/16 07:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		10		10/17/16 07:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: FIELD BLANK **Lab ID: 40139605031** Collected: 10/04/16 10:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 20:40	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 20:40	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 20:40	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/16 20:40	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 20:40	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 20:40	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 20:40	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 20:40	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 20:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 20:40	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 20:40	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 20:40	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 20:40	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 20:40	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 20:40	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 20:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 20:40	108-10-1	
Acetone	3.0J	ug/L	20.0	3.0	1		10/14/16 20:40	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 20:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 20:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 20:40	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 20:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 20:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 20:40	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 20:40	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 20:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 20:40	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 20:40	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: FIELD BLANK **Lab ID: 40139605031** Collected: 10/04/16 10:10 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 20:40	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 20:40	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/16 20:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 20:40	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 20:40	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 20:40	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 20:40	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 20:40	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 20:40	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 20:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 20:40	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 20:40	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 20:40	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		10/14/16 20:40	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 20:40	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/14/16 20:40	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: DRINKING WATER **Lab ID: 40139605032** Collected: 10/05/16 07:45 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 23:11	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 23:11	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 23:11	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/16 23:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 23:11	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 23:11	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 23:11	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 23:11	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 23:11	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 23:11	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 23:11	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 23:11	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 23:11	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 23:11	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 23:11	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 23:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 23:11	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 23:11	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 23:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 23:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 23:11	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 23:11	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 23:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 23:11	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 23:11	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 23:11	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 23:11	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 23:11	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: DRINKING WATER **Lab ID: 40139605032** Collected: 10/05/16 07:45 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 23:11	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 23:11	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/16 23:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 23:11	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 23:11	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 23:11	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 23:11	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 23:11	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:11	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 23:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 23:11	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 23:11	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 23:11	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1		10/14/16 23:11	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 23:11	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/14/16 23:11	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: RW-5 **Lab ID: 40139605033** Collected: 10/05/16 09:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 23:33	630-20-6	
1,1,1-Trichloroethane	0.62J	ug/L	1.0	0.50	1		10/14/16 23:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 23:33	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 23:33	79-00-5	
1,1-Dichloroethane	240	ug/L	1.0	0.24	1		10/14/16 23:33	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 23:33	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 23:33	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 23:33	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 23:33	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 23:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 23:33	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	95-50-1	
1,2-Dichloroethane	0.93J	ug/L	1.0	0.17	1		10/14/16 23:33	107-06-2	
1,2-Dichloropropane	0.39J	ug/L	1.0	0.23	1		10/14/16 23:33	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 23:33	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 23:33	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 23:33	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 23:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 23:33	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 23:33	67-64-1	
Benzene	0.72J	ug/L	1.0	0.50	1		10/14/16 23:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 23:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 23:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 23:33	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	108-90-7	
Chloroethane	12.9	ug/L	1.0	0.37	1		10/14/16 23:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 23:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 23:33	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 23:33	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 23:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 23:33	98-82-8	
Methyl-tert-butyl ether	0.66J	ug/L	1.0	0.17	1		10/14/16 23:33	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: RW-5 **Lab ID: 40139605033** Collected: 10/05/16 09:20 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	1.3	ug/L	1.0	0.23	1		10/14/16 23:33	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 23:33	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	108-88-3	
Trichloroethene	0.74J	ug/L	1.0	0.33	1		10/14/16 23:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 23:33	75-69-4	
Vinyl chloride	29.3	ug/L	1.0	0.18	1		10/14/16 23:33	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 23:33	1330-20-7	
cis-1,2-Dichloroethene	73.1	ug/L	1.0	0.26	1		10/14/16 23:33	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 23:33	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 23:33	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 23:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 23:33	98-06-6	
trans-1,2-Dichloroethene	1.4	ug/L	1.0	0.26	1		10/14/16 23:33	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 23:33	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1		10/14/16 23:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 23:33	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/14/16 23:33	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40139605

Sample: TRIP BLANK **Lab ID: 40139605034** Collected: 10/04/16 00:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:01	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/16 21:01	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/16 21:01	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/16 21:01	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/16 21:01	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/16 21:01	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:01	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:01	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/16 21:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/16 21:01	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/16 21:01	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/16 21:01	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/16 21:01	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/14/16 21:01	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/14/16 21:01	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/16 21:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/14/16 21:01	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/14/16 21:01	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/16 21:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/16 21:01	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/16 21:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/16 21:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/16 21:01	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/16 21:01	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/16 21:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/16 21:01	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/16 21:01	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139605

Sample: TRIP BLANK **Lab ID: 40139605034** Collected: 10/04/16 00:00 Received: 10/06/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/16 21:01	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/16 21:01	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/16 21:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/16 21:01	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/16 21:01	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/14/16 21:01	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 21:01	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/16 21:01	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/16 21:01	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/16 21:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/16 21:01	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/16 21:01	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/16 21:01	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1		10/14/16 21:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 21:01	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/14/16 21:01	460-00-4	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

QC Batch: 237500 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
 Associated Lab Samples: 40139605001, 40139605002, 40139605003, 40139605004, 40139605005, 40139605006, 40139605007,
 40139605008, 40139605009, 40139605010, 40139605011, 40139605012, 40139605013, 40139605014,
 40139605015

METHOD BLANK: 1407469 Matrix: Water

Associated Lab Samples: 40139605001, 40139605002, 40139605003, 40139605004, 40139605005, 40139605006, 40139605007,
 40139605008, 40139605009, 40139605010, 40139605011, 40139605012, 40139605013, 40139605014,
 40139605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/12/16 07:25	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/12/16 07:25	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/12/16 07:25	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/12/16 07:25	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/12/16 07:25	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/12/16 07:25	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/12/16 07:25	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/12/16 07:25	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/12/16 07:25	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/12/16 07:25	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/12/16 07:25	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/12/16 07:25	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/12/16 07:25	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/12/16 07:25	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/12/16 07:25	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/12/16 07:25	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/12/16 07:25	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/12/16 07:25	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/12/16 07:25	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/12/16 07:25	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/12/16 07:25	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/12/16 07:25	
2-Chlorotoluene	ug/L	<0.50	1.0	10/12/16 07:25	
2-Propanol	ug/L	<24.3	250	10/12/16 07:25	
4-Chlorotoluene	ug/L	<0.21	1.0	10/12/16 07:25	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/12/16 07:25	
Acetone	ug/L	<3.0	20.0	10/12/16 07:25	
Benzene	ug/L	<0.50	1.0	10/12/16 07:25	
Bromobenzene	ug/L	<0.23	1.0	10/12/16 07:25	
Bromochloromethane	ug/L	<0.34	1.0	10/12/16 07:25	
Bromodichloromethane	ug/L	<0.50	1.0	10/12/16 07:25	
Bromoform	ug/L	<0.50	1.0	10/12/16 07:25	
Bromomethane	ug/L	<2.4	5.0	10/12/16 07:25	
Carbon tetrachloride	ug/L	<0.50	1.0	10/12/16 07:25	
Chlorobenzene	ug/L	<0.50	1.0	10/12/16 07:25	
Chloroethane	ug/L	<0.37	1.0	10/12/16 07:25	
Chloroform	ug/L	<2.5	5.0	10/12/16 07:25	
Chloromethane	ug/L	<0.50	1.0	10/12/16 07:25	

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: 55929.005 WRR

Pace Project No.: 40139605

METHOD BLANK: 1407469

Matrix: Water

Associated Lab Samples: 40139605001, 40139605002, 40139605003, 40139605004, 40139605005, 40139605006, 40139605007, 40139605008, 40139605009, 40139605010, 40139605011, 40139605012, 40139605013, 40139605014, 40139605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/12/16 07:25	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/12/16 07:25	
Dibromochloromethane	ug/L	<0.50	1.0	10/12/16 07:25	
Dibromomethane	ug/L	<0.43	1.0	10/12/16 07:25	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/12/16 07:25	
Diisopropyl ether	ug/L	<0.50	1.0	10/12/16 07:25	
Ethylbenzene	ug/L	<0.50	1.0	10/12/16 07:25	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/12/16 07:25	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/12/16 07:25	
m&p-Xylene	ug/L	<1.0	2.0	10/12/16 07:25	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/12/16 07:25	
Methylene Chloride	ug/L	<0.23	1.0	10/12/16 07:25	
n-Butylbenzene	ug/L	<0.50	1.0	10/12/16 07:25	
n-Propylbenzene	ug/L	<0.50	1.0	10/12/16 07:25	
Naphthalene	ug/L	<2.5	5.0	10/12/16 07:25	
o-Xylene	ug/L	<0.50	1.0	10/12/16 07:25	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/12/16 07:25	
sec-Butylbenzene	ug/L	<2.2	5.0	10/12/16 07:25	
Styrene	ug/L	<0.50	1.0	10/12/16 07:25	
tert-Butylbenzene	ug/L	<0.18	1.0	10/12/16 07:25	
Tetrachloroethene	ug/L	<0.50	1.0	10/12/16 07:25	
Toluene	ug/L	<0.50	1.0	10/12/16 07:25	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/12/16 07:25	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/12/16 07:25	
Trichloroethene	ug/L	<0.33	1.0	10/12/16 07:25	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/12/16 07:25	
Vinyl chloride	ug/L	<0.18	1.0	10/12/16 07:25	
Xylene (Total)	ug/L	<1.5	3.0	10/12/16 07:25	
4-Bromofluorobenzene (S)	%	91	70-130	10/12/16 07:25	
Dibromofluoromethane (S)	%	90	70-130	10/12/16 07:25	
Toluene-d8 (S)	%	96	70-130	10/12/16 07:25	

LABORATORY CONTROL SAMPLE: 1407470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	67-130	
1,1,2-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	70-133	
1,1-Dichloroethene	ug/L	50	43.8	88	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.1	90	50-150	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

LABORATORY CONTROL SAMPLE: 1407470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	47.3	95	70-130	
1,2-Dichloropropane	ug/L	50	48.8	98	70-130	
1,3-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	
Benzene	ug/L	50	50.7	101	60-135	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	46.7	93	70-130	
Bromomethane	ug/L	50	36.0	72	33-130	
Carbon tetrachloride	ug/L	50	51.2	102	70-138	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	48.9	98	51-130	
Chloroform	ug/L	50	49.1	98	70-130	
Chloromethane	ug/L	50	39.5	79	25-132	
cis-1,2-Dichloroethene	ug/L	50	41.5	83	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	48.6	97	23-130	
Ethylbenzene	ug/L	50	53.1	106	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.2	106	70-140	
m&p-Xylene	ug/L	100	108	108	70-138	
Methyl-tert-butyl ether	ug/L	50	41.1	82	66-138	
Methylene Chloride	ug/L	50	41.1	82	70-130	
o-Xylene	ug/L	50	51.9	104	70-134	
Styrene	ug/L	50	47.3	95	70-133	
Tetrachloroethene	ug/L	50	55.0	110	70-138	
Toluene	ug/L	50	51.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	42.5	85	70-131	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	69-130	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	49.3	99	50-150	
Vinyl chloride	ug/L	50	51.9	104	49-130	
Xylene (Total)	ug/L	150	159	106	70-135	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1407471 1407472

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139627002	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.4	50.7	103	101	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.2	49.9	100	100	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.9	50.3	98	101	70-130	3	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

Parameter	Units	40139627002		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec							
MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1407471				1407472										
1,1-Dichloroethane	ug/L	0.93J	50	50	43.4	44.3	85	87	70-134	2	20					
1,1-Dichloroethene	ug/L	<0.41	50	50	44.6	44.6	89	89	68-136	0	20					
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	51.7	52.2	102	103	62-139	1	20					
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	47.2	49.6	94	99	50-150	5	20					
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.8	55.1	106	110	70-130	4	20					
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.0	53.0	104	106	70-130	2	20					
1,2-Dichloroethane	ug/L	<0.17	50	50	48.1	48.5	96	97	70-130	1	20					
1,2-Dichloropropane	ug/L	<0.23	50	50	50.5	49.7	101	99	70-130	2	20					
1,3-Dichlorobenzene	ug/L	<0.50	50	50	53.2	53.9	106	108	70-131	1	20					
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.2	51.7	104	103	70-130	1	20					
Benzene	ug/L	<0.50	50	50	51.8	51.7	104	103	57-138	0	20					
Bromodichloromethane	ug/L	<0.50	50	50	51.7	52.7	103	105	70-130	2	20					
Bromoform	ug/L	<0.50	50	50	47.3	48.9	95	98	70-130	3	20					
Bromomethane	ug/L	<2.4	50	50	38.6	40.8	77	82	33-130	5	27					
Carbon tetrachloride	ug/L	<0.50	50	50	52.1	53.0	104	106	70-138	2	20					
Chlorobenzene	ug/L	<0.50	50	50	53.1	55.3	106	111	70-130	4	20					
Chloroethane	ug/L	<0.37	50	50	50.9	49.6	102	99	51-130	3	20					
Chloroform	ug/L	<2.5	50	50	48.6	49.7	97	99	70-130	2	20					
Chloromethane	ug/L	<0.50	50	50	39.9	40.2	80	80	25-132	1	20					
cis-1,2-Dichloroethene	ug/L	20.7	50	50	62.4	64.0	83	87	61-140	3	20					
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.8	49.0	96	98	70-130	3	20					
Dibromochloromethane	ug/L	<0.50	50	50	52.5	54.1	105	108	70-130	3	20					
Dichlorodifluoromethane	ug/L	<0.22	50	50	50.3	50.6	101	101	23-130	1	20					
Ethylbenzene	ug/L	<0.50	50	50	54.0	55.6	108	111	70-138	3	20					
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.3	55.7	109	111	70-152	3	20					
m&p-Xylene	ug/L	<1.0	100	100	110	111	109	111	70-140	2	20					
Methyl-tert-butyl ether	ug/L	<0.17	50	50	42.7	42.9	85	86	66-139	0	20					
Methylene Chloride	ug/L	<0.23	50	50	43.5	43.5	87	87	70-130	0	20					
o-Xylene	ug/L	<0.50	50	50	52.9	54.6	106	109	70-134	3	20					
Styrene	ug/L	<0.50	50	50	48.0	51.8	96	104	70-138	8	20					
Tetrachloroethene	ug/L	0.98J	50	50	57.2	57.6	113	113	70-148	1	20					
Toluene	ug/L	<0.50	50	50	53.2	54.8	106	110	70-130	3	20					
trans-1,2-Dichloroethene	ug/L	0.40J	50	50	44.7	45.1	89	89	70-133	1	20					
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	47.7	48.9	95	98	69-130	3	20					
Trichloroethene	ug/L	10.6	50	50	64.2	66.9	107	113	70-131	4	20					
Trichlorofluoromethane	ug/L	<0.18	50	50	51.3	49.7	103	99	50-150	3	20					
Vinyl chloride	ug/L	3.9	50	50	55.9	57.2	104	107	49-133	2	20					
Xylene (Total)	ug/L	<1.5	150	150	162	166	108	111	70-135	2	20					
4-Bromofluorobenzene (S)	%						97	98	70-130							
Dibromofluoromethane (S)	%						98	96	70-130							
Toluene-d8 (S)	%						96	97	70-130							

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

QC Batch: 237502 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40139605016, 40139605017, 40139605018, 40139605019, 40139605020, 40139605021, 40139605023, 40139605024, 40139605025, 40139605026, 40139605027, 40139605028, 40139605029, 40139605030, 40139605031, 40139605032, 40139605033, 40139605034

METHOD BLANK: 1407474 Matrix: Water

Associated Lab Samples: 40139605016, 40139605017, 40139605018, 40139605019, 40139605020, 40139605021, 40139605023, 40139605024, 40139605025, 40139605026, 40139605027, 40139605028, 40139605029, 40139605030, 40139605031, 40139605032, 40139605033, 40139605034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/14/16 15:16	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/14/16 15:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/14/16 15:16	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/14/16 15:16	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/14/16 15:16	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/14/16 15:16	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/14/16 15:16	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/14/16 15:16	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/14/16 15:16	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/14/16 15:16	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/14/16 15:16	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/14/16 15:16	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/14/16 15:16	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 15:16	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/14/16 15:16	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/14/16 15:16	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/14/16 15:16	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 15:16	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/14/16 15:16	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 15:16	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/14/16 15:16	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/14/16 15:16	
2-Chlorotoluene	ug/L	<0.50	1.0	10/14/16 15:16	
2-Propanol	ug/L	<24.3	250	10/14/16 15:16	
4-Chlorotoluene	ug/L	<0.21	1.0	10/14/16 15:16	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/14/16 15:16	
Acetone	ug/L	<3.0	20.0	10/14/16 15:16	
Benzene	ug/L	<0.50	1.0	10/14/16 15:16	
Bromobenzene	ug/L	<0.23	1.0	10/14/16 15:16	
Bromochloromethane	ug/L	<0.34	1.0	10/14/16 15:16	
Bromodichloromethane	ug/L	<0.50	1.0	10/14/16 15:16	
Bromoform	ug/L	<0.50	1.0	10/14/16 15:16	
Bromomethane	ug/L	<2.4	5.0	10/14/16 15:16	
Carbon tetrachloride	ug/L	<0.50	1.0	10/14/16 15:16	
Chlorobenzene	ug/L	<0.50	1.0	10/14/16 15:16	
Chloroethane	ug/L	<0.37	1.0	10/14/16 15:16	
Chloroform	ug/L	<2.5	5.0	10/14/16 15:16	
Chloromethane	ug/L	<0.50	1.0	10/14/16 15:16	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

METHOD BLANK: 1407474

Matrix: Water

Associated Lab Samples: 40139605016, 40139605017, 40139605018, 40139605019, 40139605020, 40139605021, 40139605023, 40139605024, 40139605025, 40139605026, 40139605027, 40139605028, 40139605029, 40139605030, 40139605031, 40139605032, 40139605033, 40139605034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/14/16 15:16	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/14/16 15:16	
Dibromochloromethane	ug/L	<0.50	1.0	10/14/16 15:16	
Dibromomethane	ug/L	<0.43	1.0	10/14/16 15:16	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/14/16 15:16	
Diisopropyl ether	ug/L	<0.50	1.0	10/14/16 15:16	
Ethylbenzene	ug/L	<0.50	1.0	10/14/16 15:16	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/14/16 15:16	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/14/16 15:16	
m&p-Xylene	ug/L	<1.0	2.0	10/14/16 15:16	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/14/16 15:16	
Methylene Chloride	ug/L	<0.23	1.0	10/14/16 15:16	
n-Butylbenzene	ug/L	<0.50	1.0	10/14/16 15:16	
n-Propylbenzene	ug/L	<0.50	1.0	10/14/16 15:16	
Naphthalene	ug/L	<2.5	5.0	10/14/16 15:16	
o-Xylene	ug/L	<0.50	1.0	10/14/16 15:16	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/14/16 15:16	
sec-Butylbenzene	ug/L	<2.2	5.0	10/14/16 15:16	
Styrene	ug/L	<0.50	1.0	10/14/16 15:16	
tert-Butylbenzene	ug/L	<0.18	1.0	10/14/16 15:16	
Tetrachloroethene	ug/L	<0.50	1.0	10/14/16 15:16	
Toluene	ug/L	<0.50	1.0	10/14/16 15:16	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/14/16 15:16	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/14/16 15:16	
Trichloroethene	ug/L	<0.33	1.0	10/14/16 15:16	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/14/16 15:16	
Vinyl chloride	ug/L	<0.18	1.0	10/14/16 15:16	
Xylene (Total)	ug/L	<1.5	3.0	10/14/16 15:16	
4-Bromofluorobenzene (S)	%	95	70-130	10/14/16 15:16	
Dibromofluoromethane (S)	%	102	70-130	10/14/16 15:16	
Toluene-d8 (S)	%	97	70-130	10/14/16 15:16	

LABORATORY CONTROL SAMPLE: 1407475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	67-130	
1,1,2-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	70-133	
1,1-Dichloroethene	ug/L	50	43.9	88	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.8	84	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	50-150	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

LABORATORY CONTROL SAMPLE: 1407475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	70-130	
1,2-Dichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	70-130	
1,2-Dichloropropane	ug/L	50	51.9	104	70-130	
1,3-Dichlorobenzene	ug/L	50	47.0	94	70-130	
1,4-Dichlorobenzene	ug/L	50	47.6	95	70-130	
Benzene	ug/L	50	51.3	103	60-135	
Bromodichloromethane	ug/L	50	48.7	97	70-130	
Bromoform	ug/L	50	43.8	88	70-130	
Bromomethane	ug/L	50	39.0	78	33-130	
Carbon tetrachloride	ug/L	50	49.6	99	70-138	
Chlorobenzene	ug/L	50	48.6	97	70-130	
Chloroethane	ug/L	50	39.8	80	51-130	
Chloroform	ug/L	50	49.6	99	70-130	
Chloromethane	ug/L	50	33.3	67	25-132	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	69-130	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	47.1	94	70-130	
Dichlorodifluoromethane	ug/L	50	28.7	57	23-130	
Ethylbenzene	ug/L	50	50.5	101	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	70-140	
m&p-Xylene	ug/L	100	99.8	100	70-138	
Methyl-tert-butyl ether	ug/L	50	50.5	101	66-138	
Methylene Chloride	ug/L	50	47.5	95	70-130	
o-Xylene	ug/L	50	50.1	100	70-134	
Styrene	ug/L	50	50.2	100	70-133	
Tetrachloroethene	ug/L	50	44.8	90	70-138	
Toluene	ug/L	50	51.2	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.9	96	70-131	
trans-1,3-Dichloropropene	ug/L	50	46.0	92	69-130	
Trichloroethene	ug/L	50	49.4	99	70-130	
Trichlorofluoromethane	ug/L	50	48.2	96	50-150	
Vinyl chloride	ug/L	50	44.2	88	49-130	
Xylene (Total)	ug/L	150	150	100	70-135	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1409749 1409750

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139587005 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<5.0	50	50	51.1	48.4	102	97	70-134	5	20
1,1,2,2-Tetrachloroethane	ug/L	<5.0	50	50	46.8	48.3	94	97	67-130	3	20
1,1,2-Trichloroethane	ug/L	<5.0	50	50	47.3	46.1	95	92	70-130	2	20

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

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

QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139605

Parameter	Units	40139587005		1409749		1409750		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,1-Dichloroethane	ug/L	<5.0	50	50	54.3	52.1	109	104	70-134	4	20		
1,1-Dichloroethene	ug/L	<5.0	50	50	43.9	45.5	88	91	68-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<10.0	50	50	43.1	43.5	85	86	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.3	48.5	93	97	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.16	50	50	47.0	47.1	94	94	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<5.0	50	50	48.4	47.6	97	95	70-130	2	20		
1,2-Dichloroethane	ug/L	<5.0	50	50	48.3	50.5	97	101	70-130	4	20		
1,2-Dichloropropane	ug/L	<5.0	50	50	50.6	48.3	101	97	70-130	5	20		
1,3-Dichlorobenzene	ug/L	<5.0	50	50	47.5	47.1	95	94	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<5.0	50	50	47.7	47.0	95	94	70-130	1	20		
Benzene	ug/L	<5.0	50	50	52.3	50.2	105	100	57-138	4	20		
Bromodichloromethane	ug/L	<5.0	50	50	49.0	46.8	98	94	70-130	5	20		
Bromoform	ug/L	<5.0	50	50	44.5	43.7	89	87	70-130	2	20		
Bromomethane	ug/L	<10.0	50	50	44.8	42.0	90	84	33-130	7	27		
Carbon tetrachloride	ug/L	<5.0	50	50	52.0	49.5	104	99	70-138	5	20		
Chlorobenzene	ug/L	<5.0	50	50	49.1	47.6	98	95	70-130	3	20		
Chloroethane	ug/L	<10.0	50	50	44.0	39.4	88	79	51-130	11	20		
Chloroform	ug/L	<5.0	50	50	51.5	50.4	103	101	70-130	2	20		
Chloromethane	ug/L	<10.0	50	50	33.1	31.2	66	62	25-132	6	20		
cis-1,2-Dichloroethene	ug/L	<5.0	50	50	51.0	49.8	102	100	61-140	2	20		
cis-1,3-Dichloropropene	ug/L	<10.0	50	50	48.7	46.7	97	93	70-130	4	20		
Dibromochloromethane	ug/L	<2.0	50	50	48.0	47.0	96	94	70-130	2	20		
Dichlorodifluoromethane	ug/L	<5.0	50	50	27.0	26.9	54	54	23-130	1	20		
Ethylbenzene	ug/L	<5.0	50	50	50.3	49.3	101	99	70-138	2	20		
Isopropylbenzene (Cumene)	ug/L	<5.0	50	50	52.6	50.9	105	102	70-152	3	20		
m&p-Xylene	ug/L	<1.0	100	100	101	98.8	101	99	70-140	3	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	44.7	42.8	89	86	66-139	4	20		
Methylene Chloride	ug/L	<5.0	50	50	49.7	47.6	99	95	70-130	4	20		
o-Xylene	ug/L	<0.50	50	50	50.4	48.5	101	97	70-134	4	20		
Styrene	ug/L	<10.0	50	50	50.4	49.1	101	98	70-138	3	20		
Tetrachloroethene	ug/L	<5.0	50	50	45.7	44.2	91	88	70-148	3	20		
Toluene	ug/L	<5.0	50	50	50.2	49.3	100	99	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<5.0	50	50	43.9	42.8	88	86	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<10.0	50	50	47.2	46.5	94	93	69-130	1	20		
Trichloroethene	ug/L	<5.0	50	50	50.7	47.8	101	96	70-131	6	20		
Trichlorofluoromethane	ug/L	<5.0	50	50	50.8	45.9	102	92	50-150	10	20		
Vinyl chloride	ug/L	<2.0	50	50	44.8	43.4	90	87	49-133	3	20		
Xylene (Total)	ug/L	<5.0	150	150	152	147	101	98	70-135	3	20		
4-Bromofluorobenzene (S)	%						98	102	70-130				
Dibromofluoromethane (S)	%						104	102	70-130				
Toluene-d8 (S)	%						98	99	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40139605

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40139605

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139605001	W-1A	EPA 8260	237500		
40139605002	W-1D	EPA 8260	237500		
40139605003	W-5	EPA 8260	237500		
40139605004	W-7	EPA 8260	237500		
40139605005	W-7A	EPA 8260	237500		
40139605006	W-17A	EPA 8260	237500		
40139605007	W-17A DUP	EPA 8260	237500		
40139605008	W-17B	EPA 8260	237500		
40139605009	W-18	EPA 8260	237500		
40139605010	W-18A	EPA 8260	237500		
40139605011	W-19R	EPA 8260	237500		
40139605012	METHOD BLANK	EPA 8260	237500		
40139605013	W-22	EPA 8260	237500		
40139605014	W-26	EPA 8260	237500		
40139605015	W-27	EPA 8260	237500		
40139605016	W-28	EPA 8260	237502		
40139605017	W-31A	EPA 8260	237502		
40139605018	W-31B	EPA 8260	237502		
40139605019	W-32	EPA 8260	237502		
40139605020	W-32 DUP	EPA 8260	237502		
40139605021	W-33	EPA 8260	237502		
40139605023	MW-111	EPA 8260	237502		
40139605024	MW-111A	EPA 8260	237502		
40139605025	MW-111B	EPA 8260	237502		
40139605026	MW-115	EPA 8260	237502		
40139605027	MW-115 DUP	EPA 8260	237502		
40139605028	MW-115A	EPA 8260	237502		
40139605029	MW-115B	EPA 8260	237502		
40139605030	TW-1	EPA 8260	237502		
40139605031	FIELD BLANK	EPA 8260	237502		
40139605032	DRINKING WATER	EPA 8260	237502		
40139605033	RW-5	EPA 8260	237502		
40139605034	TRIP BLANK	EPA 8260	237502		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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(Please Print Clearly)

Company Name: Gunneth Fleming
 Branch/Location:
 Project Contact:
 Phone:
 Project Number: 55929.005
 Project Name: WRR
 Project State:
 Sampled By (Print): See pg 1
 Sampled By (Sign): [Signature]
 PO #:
 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	COLLECTION			MATRIX
			DATE	TIME		
	B	VOC	10/4/16	13:30	GW	
		"		13:15	"	
		"		13:05	"	
		"		16:15	"	
		"		10:10	"	
			10-5-16	7:45		
			"	9:20		
			10/4/16			

Quote #:
 Mail To Contact:
 Mail To Company: See pg 1
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

3-40m1B
4-40m1B

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	MW-115 dup	10/4/16	13:30	GW
028	MW-115A		13:15	"
029	MW-115B		13:05	"
030	TW-1		16:15	"
031	Field Blank		10:10	"
032	Drinking Water	10-5-16	7:45	
033	RW-5J	"	9:20	
034	Trip Blanks	10/4/16		

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: <u>Chelsea Puz</u> Date/Time: <u>10/5/16 10:00</u>	Received By: _____ Date/Time: _____	PACE Project No. <u>4039005</u> Receipt Temp = <u>20</u> °C Sample Receipt pH <u>OK / Adjusted</u> Cooler Custody Seal Present / Not Present Intact / Not Intact
Relinquished By: <u>Dunham</u> Date/Time: <u>10-6-16 0730</u>	Received By: <u>Michelle M...</u> Date/Time: <u>10-6-16 0730</u>	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

Samples on HOLD are subject to special pricing and release of liability

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Project #: WO#: 40139605

Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #: 1220634

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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: /Corr: PO Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 10-6-16
Initials: MW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Trip Blank Present. Includes handwritten notes like 'Only page 1' and '2 of 4 vials Expired on 5-8-15'.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review:

[Signature]

Date: 10-6-16

APPENDIX C

**LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS FOR
SVE EXHAUST SAMPLES – AUGUST THROUGH DECEMBER 2016**



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

August 19, 2016

Anthony Miller
Gannett Fleming, Incorporated
8025 Excelsior Dr.
Madison, WI 53717

The Analytical Results & QA/QC
Data included with this report
were reviewed and approved by
AWM on 08/22/16

Dear Anthony:

Enclosed are the results of the sample submitted to our laboratory on August 12, 2016. For your reference, this analysis has been assigned our service request number P1603981.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 4:09 pm, Aug 19, 2016

Kelly Horiuchi
Laboratory Director



2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: Gannett Fleming, Incorporated

Service Request No: P1603981

CASE NARRATIVE

The sample was received intact under chain of custody on August 12, 2016 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Volatile Organic Compound Analysis

The sample was analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP, LLC accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The container was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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 Simi Valley, CA 93065
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www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA-LAP, LLC	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-003
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413- 16-7
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01627201 6-6
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Gannett Fleming, Incorporated

Service Request: P1603981

Date Received: 8/12/2016
Time Received: 09:50

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	
SVE EXHAUST-RW-11	P1603981-001	Air	8/3/2016	00:00	SC00153	-1.62	3.67	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No. F760398 1

Company Name & Address (Reporting Information) WRR ENVIRONMENTAL SERVICES 5200 RYDER RD EAU CLAIRE, WI 54701				Project Name			ALS Contact:				Comments e.g. Actual Preservative or specific instructions
Project Manager ANTHONY MILLER				Project Number			Analysis Method				
Phone (805) 836-1500 ext. 6716		Fax		P.O. # / Billing Information : 2967 GAWETH FLEMING 8025 EXCELSIOR DR. MADISON, WI 53717							
Email Address for Result Reporting				Sampler (Print & Sign) MARK CASER							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume			
SVE EXHAUST - RW-11	①	7/28/16		SC06153	OA01146				70-152LS		GADGETS AUG 30 29
SVE EXHAUST - RW-11	①	8/3/16		SC06153	OA01146	-30 inHg	-3 inHg	60L	70-154LS		GADGETS AUG 30 29
Report Tier Levels - please select										Project Requirements (MRLs, QAPP)	
Tier I - Results (Default in not specified)			Tier III (Results + QC & Calibration Summaries)			EDD required YES / No			Chain of Custody Seal: (Circle)		
Tier II (Results + QC Summaries)			Tier IV (Date Validation Package) 10% Surcharge			Type: _____ Units: _____			INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>		
Relinquished by: (Signature)		Date: <u>8/3/16</u>	Time: <u>1:35 PM</u>	Received by: (Signature)		Date: <u>8/2/16</u>	Temperature: <u>79.35</u>		Cooler / Blank Temperature _____ °C		
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:	Temperature: _____ °C				

5 of 16

**ALS Environmental
Sample Acceptance Check Form**

Client: Gannett Fleming, Incorporated

Work order: P1603981

Project: _____

Sample(s) received on: 8/12/16

Date opened: 8/12/16

by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1603981-001.01	6.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST-RW-11

ALS Project ID: P1603981
 ALS Sample ID: P1603981-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC00153

Date Collected: 8/3/16
 Date Received: 8/12/16
 Date Analyzed: 8/15/16
 Volume(s) Analyzed: 0.00015 Liter(s)

Initial Pressure (psig): -1.62 Final Pressure (psig): 3.67

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	4,700	ND	2,700	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	4,700	ND	940	
74-87-3	Chloromethane	ND	4,700	ND	2,300	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	4,700	ND	670	
75-01-4	Vinyl Chloride	9,600	4,700	3,700	1,800	
106-99-0	1,3-Butadiene	ND	4,700	ND	2,100	
74-83-9	Bromomethane	ND	4,700	ND	1,200	
75-00-3	Chloroethane	ND	4,700	ND	1,800	
64-17-5	Ethanol	ND	47,000	ND	25,000	
75-05-8	Acetonitrile	ND	4,700	ND	2,800	
107-02-8	Acrolein	ND	19,000	ND	8,100	
67-64-1	Acetone	ND	47,000	ND	20,000	
75-69-4	Trichlorofluoromethane	ND	4,700	ND	830	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	47,000	ND	19,000	
107-13-1	Acrylonitrile	ND	4,700	ND	2,200	
75-35-4	1,1-Dichloroethene	ND	4,700	ND	1,200	
75-09-2	Methylene Chloride	ND	4,700	ND	1,300	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	4,700	ND	1,500	
76-13-1	Trichlorotrifluoroethane	240,000	4,700	31,000	610	
75-15-0	Carbon Disulfide	ND	47,000	ND	15,000	
156-60-5	trans-1,2-Dichloroethene	ND	4,700	ND	1,200	
75-34-3	1,1-Dichloroethane	21,000	4,700	5,200	1,200	
1634-04-4	Methyl tert-Butyl Ether	ND	4,700	ND	1,300	
108-05-4	Vinyl Acetate	ND	47,000	ND	13,000	
78-93-3	2-Butanone (MEK)	ND	47,000	ND	16,000	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST-RW-11

ALS Project ID: P1603981
 ALS Sample ID: P1603981-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC00153

Date Collected: 8/3/16
 Date Received: 8/12/16
 Date Analyzed: 8/15/16
 Volume(s) Analyzed: 0.00015 Liter(s)

Initial Pressure (psig): -1.62 Final Pressure (psig): 3.67

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	120,000	4,700	31,000	1,200	
141-78-6	Ethyl Acetate	ND	9,300	ND	2,600	
110-54-3	n-Hexane	6,600	4,700	1,900	1,300	
67-66-3	Chloroform	ND	4,700	ND	960	
109-99-9	Tetrahydrofuran (THF)	ND	4,700	ND	1,600	
107-06-2	1,2-Dichloroethane	ND	4,700	ND	1,200	
71-55-6	1,1,1-Trichloroethane	170,000	4,700	31,000	860	
71-43-2	Benzene	ND	4,700	ND	1,500	
56-23-5	Carbon Tetrachloride	ND	4,700	ND	740	
110-82-7	Cyclohexane	23,000	9,300	6,600	2,700	
78-87-5	1,2-Dichloropropane	ND	4,700	ND	1,000	
75-27-4	Bromodichloromethane	ND	4,700	ND	700	
79-01-6	Trichloroethene	32,000	4,700	5,900	870	
123-91-1	1,4-Dioxane	ND	4,700	ND	1,300	
80-62-6	Methyl Methacrylate	ND	9,300	ND	2,300	
142-82-5	n-Heptane	11,000	4,700	2,700	1,100	
10061-01-5	cis-1,3-Dichloropropene	ND	4,700	ND	1,000	
108-10-1	4-Methyl-2-pentanone	ND	4,700	ND	1,100	
10061-02-6	trans-1,3-Dichloropropene	ND	4,700	ND	1,000	
79-00-5	1,1,2-Trichloroethane	ND	4,700	ND	860	
108-88-3	Toluene	550,000	4,700	150,000	1,200	
591-78-6	2-Hexanone	ND	4,700	ND	1,100	
124-48-1	Dibromochloromethane	ND	4,700	ND	550	
106-93-4	1,2-Dibromoethane	ND	4,700	ND	610	
123-86-4	n-Butyl Acetate	ND	4,700	ND	980	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST-RW-11

ALS Project ID: P1603981
 ALS Sample ID: P1603981-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Simon Cao
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC00153

Date Collected: 8/3/16
 Date Received: 8/12/16
 Date Analyzed: 8/15/16
 Volume(s) Analyzed: 0.00015 Liter(s)

Initial Pressure (psig): -1.62 Final Pressure (psig): 3.67

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	8,500	4,700	1,800	1,000	
127-18-4	Tetrachloroethene	15,000	4,700	2,200	690	
108-90-7	Chlorobenzene	ND	4,700	ND	1,000	
100-41-4	Ethylbenzene	14,000	4,700	3,200	1,100	
179601-23-1	m,p-Xylenes	66,000	9,300	15,000	2,100	
75-25-2	Bromoform	ND	4,700	ND	450	
100-42-5	Styrene	ND	4,700	ND	1,100	
95-47-6	o-Xylene	19,000	4,700	4,400	1,100	
111-84-2	n-Nonane	ND	4,700	ND	890	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4,700	ND	680	
98-82-8	Cumene	ND	4,700	ND	950	
80-56-8	alpha-Pinene	ND	4,700	ND	840	
103-65-1	n-Propylbenzene	ND	4,700	ND	950	
622-96-8	4-Ethyltoluene	ND	4,700	ND	950	
108-67-8	1,3,5-Trimethylbenzene	ND	4,700	ND	950	
95-63-6	1,2,4-Trimethylbenzene	ND	4,700	ND	950	
100-44-7	Benzyl Chloride	ND	4,700	ND	900	
541-73-1	1,3-Dichlorobenzene	ND	4,700	ND	780	
106-46-7	1,4-Dichlorobenzene	ND	4,700	ND	780	
95-50-1	1,2-Dichlorobenzene	ND	4,700	ND	780	
5989-27-5	d-Limonene	ND	4,700	ND	840	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4,700	ND	480	
120-82-1	1,2,4-Trichlorobenzene	ND	4,700	ND	630	
91-20-3	Naphthalene	ND	4,700	ND	890	
87-68-3	Hexachlorobutadiene	ND	4,700	ND	440	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1603981

ALS Sample ID: P160815-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Cory Lewis

Date Analyzed: 8/15/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1603981

ALS Sample ID: P160815-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Cory Lewis

Date Analyzed: 8/15/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: Method Blank

ALS Project ID: P1603981
 ALS Sample ID: P160815-MB

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Cory Lewis
 Sample Type: 6.0 L Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 8/15/16
 Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Gannett Fleming, Incorporated

ALS Project ID: P1603981

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Cory Lewis
 Sample Type: 6.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 8/3/16
 Date(s) Received: 8/12/16
 Date(s) Analyzed: 8/15/16

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P160815-MB	91	105	107	70-130	
Lab Control Sample	P160815-LCS	89	103	114	70-130	
SVE EXHAUST-RW-11	P1603981-001	91	104	110	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1603981

ALS Sample ID: P160815-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Cory Lewis

Date Analyzed: 8/15/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	196	163	83	49-131	
75-71-8	Dichlorodifluoromethane (CFC 12)	188	163	87	65-117	
74-87-3	Chloromethane	200	167	84	48-132	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	204	182	89	65-122	
75-01-4	Vinyl Chloride	200	160	80	65-128	
106-99-0	1,3-Butadiene	206	179	87	62-143	
74-83-9	Bromomethane	202	186	92	65-130	
75-00-3	Chloroethane	200	181	91	69-126	
64-17-5	Ethanol	998	866	87	57-126	
75-05-8	Acetonitrile	212	162	76	51-134	
107-02-8	Acrolein	214	180	84	55-146	
67-64-1	Acetone	1,080	914	85	57-120	
75-69-4	Trichlorofluoromethane	216	173	80	59-139	
67-63-0	2-Propanol (Isopropyl Alcohol)	418	359	86	59-129	
107-13-1	Acrylonitrile	212	179	84	64-136	
75-35-4	1,1-Dichloroethene	216	209	97	72-123	
75-09-2	Methylene Chloride	222	215	97	63-117	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	218	190	87	50-141	
76-13-1	Trichlorotrifluoroethane	220	212	96	68-118	
75-15-0	Carbon Disulfide	210	178	85	55-143	
156-60-5	trans-1,2-Dichloroethene	210	209	100	69-129	
75-34-3	1,1-Dichloroethane	212	182	86	66-122	
1634-04-4	Methyl tert-Butyl Ether	216	195	90	55-128	
108-05-4	Vinyl Acetate	1,040	1020	98	66-140	
78-93-3	2-Butanone (MEK)	220	195	89	62-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1603981

ALS Sample ID: P160815-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Cory Lewis

Date Analyzed: 8/15/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
156-59-2	cis-1,2-Dichloroethene	218	198	91	65-125	
141-78-6	Ethyl Acetate	428	377	88	64-132	
110-54-3	n-Hexane	212	175	83	58-126	
67-66-3	Chloroform	224	198	88	68-117	
109-99-9	Tetrahydrofuran (THF)	220	192	87	64-123	
107-06-2	1,2-Dichloroethane	214	193	90	63-124	
71-55-6	1,1,1-Trichloroethane	210	192	91	68-120	
71-43-2	Benzene	226	188	83	61-110	
56-23-5	Carbon Tetrachloride	230	211	92	65-137	
110-82-7	Cyclohexane	424	386	91	68-122	
78-87-5	1,2-Dichloropropane	216	187	87	67-122	
75-27-4	Bromodichloromethane	218	201	92	71-124	
79-01-6	Trichloroethene	216	192	89	71-121	
123-91-1	1,4-Dioxane	210	209	100	67-122	
80-62-6	Methyl Methacrylate	422	410	97	76-130	
142-82-5	n-Heptane	216	193	89	67-125	
10061-01-5	cis-1,3-Dichloropropene	208	191	92	73-131	
108-10-1	4-Methyl-2-pentanone	220	190	86	66-132	
10061-02-6	trans-1,3-Dichloropropene	210	205	98	76-135	
79-00-5	1,1,2-Trichloroethane	216	210	97	73-121	
108-88-3	Toluene	218	199	91	67-117	
591-78-6	2-Hexanone	220	201	91	59-128	
124-48-1	Dibromochloromethane	220	235	107	73-132	
106-93-4	1,2-Dibromoethane	218	224	103	73-128	
123-86-4	n-Butyl Acetate	226	206	91	61-136	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1603981

ALS Sample ID: P160815-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: NA

Analyst: Cory Lewis

Date Analyzed: 8/15/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
111-65-9	n-Octane	210	189	90	67-124	
127-18-4	Tetrachloroethene	202	208	103	65-126	
108-90-7	Chlorobenzene	220	212	96	68-120	
100-41-4	Ethylbenzene	218	213	98	69-123	
179601-23-1	m,p-Xylenes	428	418	98	67-125	
75-25-2	Bromoform	228	232	102	68-153	
100-42-5	Styrene	222	228	103	68-132	
95-47-6	o-Xylene	210	204	97	67-124	
111-84-2	n-Nonane	204	177	87	60-130	
79-34-5	1,1,2,2-Tetrachloroethane	210	220	105	72-128	
98-82-8	Cumene	208	204	98	67-124	
80-56-8	alpha-Pinene	212	210	99	67-129	
103-65-1	n-Propylbenzene	204	202	99	67-125	
622-96-8	4-Ethyltoluene	214	226	106	66-128	
108-67-8	1,3,5-Trimethylbenzene	214	209	98	65-125	
95-63-6	1,2,4-Trimethylbenzene	218	220	101	62-134	
100-44-7	Benzyl Chloride	220	243	110	74-145	
541-73-1	1,3-Dichlorobenzene	228	255	112	63-133	
106-46-7	1,4-Dichlorobenzene	208	242	116	62-129	
95-50-1	1,2-Dichlorobenzene	220	243	110	62-134	
5989-27-5	d-Limonene	210	202	96	66-137	
96-12-8	1,2-Dibromo-3-chloropropane	218	242	111	71-147	
120-82-1	1,2,4-Trichlorobenzene	230	242	105	60-145	
91-20-3	Naphthalene	218	223	102	56-158	
87-68-3	Hexachlorobutadiene	230	248	108	56-139	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.



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LABORATORY REPORT

September 30, 2016

The Analytical Results & QA/QC
Data included with this report were
reviewed and approved by AWM
on 10/03/16.

Anthony Miller
Gannett Fleming, Incorporated
8025 Excelsior Dr.
Madison, WI 53717

Dear Anthony:

Enclosed are the results of the sample submitted to our laboratory on September 23, 2016. For your reference, this analysis has been assigned our service request number P1604517.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 2:41 pm, Sep 30, 2016

Kelly Horiuchi
Laboratory Director



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Client: Gannett Fleming, Incorporated

Service Request No: P1604517

CASE NARRATIVE

The sample was received intact under chain of custody on September 23, 2016 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Volatile Organic Compound Analysis

The sample was analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP, LLC accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The container was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA-LAP, LLC	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
PJLA (DoD ELAP)	http://www.pjlab.com/search-accredited-labs	65818 (Testing)
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-003
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413- 16-7
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01627201 6-6
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Gannett Fleming, Incorporated

Service Request: P1604517

Date Received: 9/23/2016
Time Received: 09:20

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	
SVE Exhaust-RW 10-11	P1604517-001	Air	9/15/2016	09:45	SC01626	-0.34	3.70	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard	ALS Project No P1604517
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Company Name & Address (Reporting Information) WRR ENVIRONMENTAL SERVICES 5200 RYDER RD EAU CLAIRE, WI 54701				Project Name Project Number					ALS Contact:		Comments e.g. Actual Preservative or specific instructions
									Analysis Method		
Project Manager ANTHONY MILLER				P.O. # / Billing Information CLANWET FLEMING, INC 8025 EXCELSIOR DR. MADISON, WI 53717-1900							
Phone (608)836-1500 ext 6716		Fax									
Email Address for Result Reporting AWMILLER@GFNET.COM				Sampler (Print & Sign) MARK CASER							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume			
SVE EXHAUST - RW-10-11		9/15/16	945A	SC01626	AV603997	30 "Hg	3 "Hg	TO-1522S	CHANGE O' READING 3 "Hg		

5 of 16

Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____								EDD required YES / No Type: _____ Units: _____		Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT		Project Requirements (MRLs, QAPP)			
Relinquished by: (Signature)			Date: 9/15/16		Time: 10:00AM		Received by: (Signature)			Date: 9/23/16		Time: 0920			
Relinquished by: (Signature)			Date:		Time:		Received by: (Signature)			Date:		Time:		Cooler / Blank Temperature _____ °C	

**ALS Environmental
Sample Acceptance Check Form**

Client: Gannett Fleming, Incorporated Work order: P1604517
 Project: _____
 Sample(s) received on: 9/23/16 Date opened: 9/23/16 by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1604517-001.01	6.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE Exhaust-RW 10-11

ALS Project ID: P1604517
 ALS Sample ID: P1604517-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC01626

Date Collected: 9/15/16
 Date Received: 9/23/16
 Date Analyzed: 9/26/16
 Volume(s) Analyzed: 0.000050 Liter(s)

Initial Pressure (psig): -0.34 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.28

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	ND	13,000	ND	7,400	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	13,000	ND	2,600	
74-87-3	Chloromethane	ND	13,000	ND	6,200	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	13,000	ND	1,800	
75-01-4	Vinyl Chloride	ND	13,000	ND	5,000	
106-99-0	1,3-Butadiene	ND	13,000	ND	5,800	
74-83-9	Bromomethane	ND	13,000	ND	3,300	
75-00-3	Chloroethane	ND	13,000	ND	4,900	
64-17-5	Ethanol	ND	130,000	ND	68,000	
75-05-8	Acetonitrile	ND	13,000	ND	7,600	
107-02-8	Acrolein	ND	51,000	ND	22,000	
67-64-1	Acetone	ND	130,000	ND	54,000	
75-69-4	Trichlorofluoromethane	ND	13,000	ND	2,300	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	130,000	ND	52,000	
107-13-1	Acrylonitrile	ND	13,000	ND	5,900	
75-35-4	1,1-Dichloroethene	ND	13,000	ND	3,200	
75-09-2	Methylene Chloride	55,000	13,000	16,000	3,700	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	13,000	ND	4,100	
76-13-1	Trichlorotrifluoroethane	59,000	13,000	7,700	1,700	
75-15-0	Carbon Disulfide	ND	130,000	ND	41,000	
156-60-5	trans-1,2-Dichloroethene	ND	13,000	ND	3,200	
75-34-3	1,1-Dichloroethane	ND	13,000	ND	3,200	
1634-04-4	Methyl tert-Butyl Ether	ND	13,000	ND	3,600	
108-05-4	Vinyl Acetate	ND	130,000	ND	36,000	
78-93-3	2-Butanone (MEK)	ND	130,000	ND	43,000	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: SVE Exhaust-RW 10-11

ALS Project ID: P1604517

ALS Sample ID: P1604517-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC01626

Date Collected: 9/15/16
 Date Received: 9/23/16
 Date Analyzed: 9/26/16
 Volume(s) Analyzed: 0.000050 Liter(s)

Initial Pressure (psig): -0.34 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	120,000	13,000	29,000	3,200	
141-78-6	Ethyl Acetate	86,000	26,000	24,000	7,100	
110-54-3	n-Hexane	ND	13,000	ND	3,600	
67-66-3	Chloroform	ND	13,000	ND	2,600	
109-99-9	Tetrahydrofuran (THF)	ND	13,000	ND	4,300	
107-06-2	1,2-Dichloroethane	ND	13,000	ND	3,200	
71-55-6	1,1,1-Trichloroethane	110,000	13,000	19,000	2,300	
71-43-2	Benzene	ND	13,000	ND	4,000	
56-23-5	Carbon Tetrachloride	ND	13,000	ND	2,000	
110-82-7	Cyclohexane	53,000	26,000	15,000	7,400	
78-87-5	1,2-Dichloropropane	ND	13,000	ND	2,800	
75-27-4	Bromodichloromethane	ND	13,000	ND	1,900	
79-01-6	Trichloroethene	160,000	13,000	29,000	2,400	
123-91-1	1,4-Dioxane	ND	13,000	ND	3,600	
80-62-6	Methyl Methacrylate	ND	26,000	ND	6,300	
142-82-5	n-Heptane	32,000	13,000	7,800	3,100	
10061-01-5	cis-1,3-Dichloropropene	ND	13,000	ND	2,800	
108-10-1	4-Methyl-2-pentanone	ND	13,000	ND	3,100	
10061-02-6	trans-1,3-Dichloropropene	ND	13,000	ND	2,800	
79-00-5	1,1,2-Trichloroethane	ND	13,000	ND	2,300	
108-88-3	Toluene	2,500,000	13,000	670,000	3,400	
591-78-6	2-Hexanone	ND	13,000	ND	3,100	
124-48-1	Dibromochloromethane	ND	13,000	ND	1,500	
106-93-4	1,2-Dibromoethane	ND	13,000	ND	1,700	
123-86-4	n-Butyl Acetate	ND	13,000	ND	2,700	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: SVE Exhaust-RW 10-11

ALS Project ID: P1604517

ALS Sample ID: P1604517-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Summa Canister
 Test Notes:
 Container ID: SC01626

Date Collected: 9/15/16
 Date Received: 9/23/16
 Date Analyzed: 9/26/16
 Volume(s) Analyzed: 0.000050 Liter(s)

Initial Pressure (psig): -0.34 Final Pressure (psig): 3.70

Canister Dilution Factor: 1.28

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	19,000	13,000	4,100	2,700	
127-18-4	Tetrachloroethene	71,000	13,000	10,000	1,900	
108-90-7	Chlorobenzene	ND	13,000	ND	2,800	
100-41-4	Ethylbenzene	140,000	13,000	31,000	2,900	
179601-23-1	m,p-Xylenes	510,000	26,000	120,000	5,900	
75-25-2	Bromoform	ND	13,000	ND	1,200	
100-42-5	Styrene	ND	13,000	ND	3,000	
95-47-6	o-Xylene	90,000	13,000	21,000	2,900	
111-84-2	n-Nonane	ND	13,000	ND	2,400	
79-34-5	1,1,2,2-Tetrachloroethane	ND	13,000	ND	1,900	
98-82-8	Cumene	ND	13,000	ND	2,600	
80-56-8	alpha-Pinene	ND	13,000	ND	2,300	
103-65-1	n-Propylbenzene	ND	13,000	ND	2,600	
622-96-8	4-Ethyltoluene	ND	13,000	ND	2,600	
108-67-8	1,3,5-Trimethylbenzene	ND	13,000	ND	2,600	
95-63-6	1,2,4-Trimethylbenzene	ND	13,000	ND	2,600	
100-44-7	Benzyl Chloride	ND	13,000	ND	2,500	
541-73-1	1,3-Dichlorobenzene	ND	13,000	ND	2,100	
106-46-7	1,4-Dichlorobenzene	ND	13,000	ND	2,100	
95-50-1	1,2-Dichlorobenzene	ND	13,000	ND	2,100	
5989-27-5	d-Limonene	ND	13,000	ND	2,300	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13,000	ND	1,300	
120-82-1	1,2,4-Trichlorobenzene	ND	13,000	ND	1,700	
91-20-3	Naphthalene	ND	13,000	ND	2,400	
87-68-3	Hexachlorobutadiene	ND	13,000	ND	1,200	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1604517

ALS Sample ID: P160926-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 9/26/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1604517

ALS Sample ID: P160926-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 9/26/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1604517

ALS Sample ID: P160926-MB

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 9/26/16
 Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Gannett Fleming, Incorporated

ALS Project ID: P1604517

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 9/15/16
 Date(s) Received: 9/23/16
 Date(s) Analyzed: 9/26/16

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P160926-MB	101	101	98	70-130	
Lab Control Sample	P160926-LCS	99	100	98	70-130	
SVE Exhaust-RW 10-11	P1604517-001	100	100	97	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1604517

ALS Sample ID: P160926-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 9/26/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	196	210	107	49-131	
75-71-8	Dichlorodifluoromethane (CFC 12)	188	192	102	65-117	
74-87-3	Chloromethane	200	224	112	48-132	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	204	196	96	65-122	
75-01-4	Vinyl Chloride	200	222	111	65-128	
106-99-0	1,3-Butadiene	206	231	112	62-143	
74-83-9	Bromomethane	202	222	110	65-130	
75-00-3	Chloroethane	200	232	116	69-126	
64-17-5	Ethanol	998	1030	103	57-126	
75-05-8	Acetonitrile	212	212	100	51-134	
107-02-8	Acrolein	214	204	95	55-146	
67-64-1	Acetone	1,080	1100	102	57-120	
75-69-4	Trichlorofluoromethane	216	198	92	59-139	
67-63-0	2-Propanol (Isopropyl Alcohol)	418	441	106	59-129	
107-13-1	Acrylonitrile	212	234	110	64-136	
75-35-4	1,1-Dichloroethene	216	234	108	72-123	
75-09-2	Methylene Chloride	222	229	103	63-117	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	218	246	113	50-141	
76-13-1	Trichlorotrifluoroethane	220	221	100	68-118	
75-15-0	Carbon Disulfide	210	184	88	55-143	
156-60-5	trans-1,2-Dichloroethene	210	230	110	69-129	
75-34-3	1,1-Dichloroethane	212	220	104	66-122	
1634-04-4	Methyl tert-Butyl Ether	216	217	100	55-128	
108-05-4	Vinyl Acetate	1,040	1110	107	66-140	
78-93-3	2-Butanone (MEK)	220	226	103	62-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1604517

ALS Sample ID: P160926-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 9/26/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
156-59-2	cis-1,2-Dichloroethene	218	233	107	65-125	
141-78-6	Ethyl Acetate	428	433	101	64-132	
110-54-3	n-Hexane	212	187	88	58-126	
67-66-3	Chloroform	224	223	100	68-117	
109-99-9	Tetrahydrofuran (THF)	220	220	100	64-123	
107-06-2	1,2-Dichloroethane	214	217	101	63-124	
71-55-6	1,1,1-Trichloroethane	210	214	102	68-120	
71-43-2	Benzene	226	207	92	61-110	
56-23-5	Carbon Tetrachloride	230	222	97	65-137	
110-82-7	Cyclohexane	424	412	97	68-122	
78-87-5	1,2-Dichloropropane	216	221	102	67-122	
75-27-4	Bromodichloromethane	218	227	104	71-124	
79-01-6	Trichloroethene	216	205	95	71-121	
123-91-1	1,4-Dioxane	210	224	107	67-122	
80-62-6	Methyl Methacrylate	422	426	101	76-130	
142-82-5	n-Heptane	216	206	95	67-125	
10061-01-5	cis-1,3-Dichloropropene	208	219	105	73-131	
108-10-1	4-Methyl-2-pentanone	220	224	102	66-132	
10061-02-6	trans-1,3-Dichloropropene	210	227	108	76-135	
79-00-5	1,1,2-Trichloroethane	216	218	101	73-121	
108-88-3	Toluene	218	203	93	67-117	
591-78-6	2-Hexanone	220	220	100	59-128	
124-48-1	Dibromochloromethane	220	238	108	73-132	
106-93-4	1,2-Dibromoethane	218	222	102	73-128	
123-86-4	n-Butyl Acetate	226	229	101	61-136	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1604517

ALS Sample ID: P160926-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 9/26/16

Sample Type: 6.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
111-65-9	n-Octane	210	196	93	67-124	
127-18-4	Tetrachloroethene	202	198	98	65-126	
108-90-7	Chlorobenzene	220	211	96	68-120	
100-41-4	Ethylbenzene	218	211	97	69-123	
179601-23-1	m,p-Xylenes	428	400	93	67-125	
75-25-2	Bromoform	228	230	101	68-153	
100-42-5	Styrene	222	215	97	68-132	
95-47-6	o-Xylene	210	199	95	67-124	
111-84-2	n-Nonane	204	189	93	60-130	
79-34-5	1,1,2,2-Tetrachloroethane	210	217	103	72-128	
98-82-8	Cumene	208	189	91	67-124	
80-56-8	alpha-Pinene	212	210	99	67-129	
103-65-1	n-Propylbenzene	204	187	92	67-125	
622-96-8	4-Ethyltoluene	214	200	93	66-128	
108-67-8	1,3,5-Trimethylbenzene	214	189	88	65-125	
95-63-6	1,2,4-Trimethylbenzene	218	190	87	62-134	
100-44-7	Benzyl Chloride	220	232	105	74-145	
541-73-1	1,3-Dichlorobenzene	228	216	95	63-133	
106-46-7	1,4-Dichlorobenzene	208	192	92	62-129	
95-50-1	1,2-Dichlorobenzene	220	198	90	62-134	
5989-27-5	d-Limonene	210	203	97	66-137	
96-12-8	1,2-Dibromo-3-chloropropane	218	229	105	71-147	
120-82-1	1,2,4-Trichlorobenzene	230	208	90	60-145	
91-20-3	Naphthalene	218	191	88	56-158	
87-68-3	Hexachlorobutadiene	230	220	96	56-139	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.



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LABORATORY REPORT

November 4, 2016

The Analytical Results & QA/QC
Data included with this report were
reviewed and approved by AWM
on 11/4/16.

Anthony Miller
Gannett Fleming, Incorporated
8025 Excelsior Dr.
Madison, WI 53717

Dear Anthony:

Enclosed are the results of the sample submitted to our laboratory on October 28, 2016. For your reference, this analysis has been assigned our service request number P1605084.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 2:03 pm, Nov 04, 2016

Kelly Horiuchi
Laboratory Director



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Client: Gannett Fleming, Incorporated

Service Request No: P1605084

CASE NARRATIVE

The sample was received intact under chain of custody on October 28, 2016 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Volatile Organic Compound Analysis

The sample was analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The spike recovery of trichlorofluoromethane for the Laboratory Control Sample (LCS) analyzed on November 1, 2016 was outside the laboratory generated control criterion. The recovery error equates to a potential high bias. However, the spike recovery of the analyte in question was within the method criteria; therefore, the data quality has not been significantly affected. No corrective action was taken.

The canister was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2016036
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-003
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413- 16-7
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01627201 6-6
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Gannett Fleming, Incorporated

Service Request: P1605084

Date Received: 10/28/2016

Time Received: 09:30

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	
SVE Exhaust	P1605084-001	Air	10/17/2016	13:00	ISC00776	0.08	5.37	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No
 D1100 5084

Company Name & Address (Reporting Information) WR ENVIRONMENTAL 5200 RYDER RD EAU CLAIRE, WI 54601				Project Name					ALS Contact:		Comments e.g. Actual Preservative or specific instructions
									Analysis Method		
Project Manager ANTHONY MILLER				Project Number							
Phone (608) 836-1500 ext. 6716		Fax		P.O. # / Billing Information LANNETT FLEMING 8025 EXCELSIOR DR MANISOW, WI 53717-1900							
Email Address for Result Reporting AWMILLER@60FURT.COM				Sampler (Print & Sign) MARK LASER							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume			
SWE EXHAUST	①	10/17/16	1300	SC0270		-27	0	1L	TO-15 LLS AN603577		
Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____									Project Requirements (MRLs, QAPP)		
Relinquished by: Date: 10/17/16 Time: 1315						EDD required YES / No Type: _____ Units: _____		Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT		Cooler / Blank Temperature _____ °C	
Relinquished by: _____ Date: _____ Time: _____						Received by: (Signature) Date: 10/28/16 Time: 1330					

5 of 16

**ALS Environmental
Sample Acceptance Check Form**

Client: Gannett Fleming, Incorporated Work order: P1605084
 Project: _____
 Sample(s) received on: 10/28/16 Date opened: 10/28/16 by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1605084-001.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO₂, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE Exhaust

ALS Project ID: P1605084
 ALS Sample ID: P1605084-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Analyst: Wida Ang
 Sample Type: 1.0 L Summa Canister
 Test Notes:
 Container ID: 1SC00776

Date Collected: 10/17/16
 Date Received: 10/28/16
 Date Analyzed: 11/1/16
 Volume(s) Analyzed: 0.00015 Liter(s)

Initial Pressure (psig): 0.08 Final Pressure (psig): 5.37

Canister Dilution Factor: 1.36

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	4,500	ND	2,600	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	4,500	ND	920	
74-87-3	Chloromethane	ND	4,500	ND	2,200	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	4,500	ND	650	
75-01-4	Vinyl Chloride	ND	4,500	ND	1,800	
106-99-0	1,3-Butadiene	ND	4,500	ND	2,100	
74-83-9	Bromomethane	ND	4,500	ND	1,200	
75-00-3	Chloroethane	ND	4,500	ND	1,700	
64-17-5	Ethanol	ND	45,000	ND	24,000	
75-05-8	Acetonitrile	ND	4,500	ND	2,700	
107-02-8	Acrolein	ND	18,000	ND	7,900	
67-64-1	Acetone	110,000	45,000	46,000	19,000	
75-69-4	Trichlorofluoromethane	ND	4,500	ND	810	L
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	45,000	ND	18,000	
107-13-1	Acrylonitrile	ND	4,500	ND	2,100	
75-35-4	1,1-Dichloroethene	ND	4,500	ND	1,100	
75-09-2	Methylene Chloride	5,000	4,500	1,400	1,300	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	4,500	ND	1,400	
76-13-1	Trichlorotrifluoroethane	14,000	4,500	1,900	590	
75-15-0	Carbon Disulfide	ND	45,000	ND	15,000	
156-60-5	trans-1,2-Dichloroethene	ND	4,500	ND	1,100	
75-34-3	1,1-Dichloroethane	ND	4,500	ND	1,100	
1634-04-4	Methyl tert-Butyl Ether	ND	4,500	ND	1,300	
108-05-4	Vinyl Acetate	ND	45,000	ND	13,000	
78-93-3	2-Butanone (MEK)	250,000	45,000	85,000	15,000	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits; results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE Exhaust

ALS Project ID: P1605084
 ALS Sample ID: P1605084-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Analyst: Wida Ang
 Sample Type: 1.0 L Summa Canister
 Test Notes:
 Container ID: 1SC00776

Date Collected: 10/17/16
 Date Received: 10/28/16
 Date Analyzed: 11/1/16
 Volume(s) Analyzed: 0.00015 Liter(s)

Initial Pressure (psig): 0.08 Final Pressure (psig): 5.37

Canister Dilution Factor: 1.36

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	18,000	4,500	4,500	1,100	
141-78-6	Ethyl Acetate	58,000	9,100	16,000	2,500	
110-54-3	n-Hexane	ND	4,500	ND	1,300	
67-66-3	Chloroform	ND	4,500	ND	930	
109-99-9	Tetrahydrofuran (THF)	8,400	4,500	2,900	1,500	
107-06-2	1,2-Dichloroethane	ND	4,500	ND	1,100	
71-55-6	1,1,1-Trichloroethane	32,000	4,500	5,800	830	
71-43-2	Benzene	ND	4,500	ND	1,400	
56-23-5	Carbon Tetrachloride	ND	4,500	ND	720	
110-82-7	Cyclohexane	ND	9,100	ND	2,600	
78-87-5	1,2-Dichloropropane	ND	4,500	ND	980	
75-27-4	Bromodichloromethane	ND	4,500	ND	680	
79-01-6	Trichloroethene	36,000	4,500	6,800	840	
123-91-1	1,4-Dioxane	ND	4,500	ND	1,300	
80-62-6	Methyl Methacrylate	ND	9,100	ND	2,200	
142-82-5	n-Heptane	6,100	4,500	1,500	1,100	
10061-01-5	cis-1,3-Dichloropropene	ND	4,500	ND	1,000	
108-10-1	4-Methyl-2-pentanone	ND	4,500	ND	1,100	
10061-02-6	trans-1,3-Dichloropropene	ND	4,500	ND	1,000	
79-00-5	1,1,2-Trichloroethane	ND	4,500	ND	830	
108-88-3	Toluene	860,000	4,500	230,000	1,200	
591-78-6	2-Hexanone	ND	4,500	ND	1,100	
124-48-1	Dibromochloromethane	ND	4,500	ND	530	
106-93-4	1,2-Dibromoethane	ND	4,500	ND	590	
123-86-4	n-Butyl Acetate	ND	4,500	ND	950	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits; results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: SVE Exhaust

ALS Project ID: P1605084

ALS Sample ID: P1605084-001

Test Code: EPA TO-15

Date Collected: 10/17/16

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 10/28/16

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.00015 Liter(s)

Test Notes:

Container ID: 1SC00776

Initial Pressure (psig): 0.08 Final Pressure (psig): 5.37

Canister Dilution Factor: 1.36

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	5,200	4,500	1,100	970	
127-18-4	Tetrachloroethene	24,000	4,500	3,500	670	
108-90-7	Chlorobenzene	ND	4,500	ND	980	
100-41-4	Ethylbenzene	43,000	4,500	9,900	1,000	
179601-23-1	m,p-Xylenes	160,000	9,100	37,000	2,100	
75-25-2	Bromoform	ND	4,500	ND	440	
100-42-5	Styrene	ND	4,500	ND	1,100	
95-47-6	o-Xylene	31,000	4,500	7,200	1,000	
111-84-2	n-Nonane	ND	4,500	ND	860	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4,500	ND	660	
98-82-8	Cumene	ND	4,500	ND	920	
80-56-8	alpha-Pinene	ND	4,500	ND	810	
103-65-1	n-Propylbenzene	ND	4,500	ND	920	
622-96-8	4-Ethyltoluene	ND	4,500	ND	920	
108-67-8	1,3,5-Trimethylbenzene	ND	4,500	ND	920	
95-63-6	1,2,4-Trimethylbenzene	ND	4,500	ND	920	
100-44-7	Benzyl Chloride	ND	4,500	ND	880	
541-73-1	1,3-Dichlorobenzene	ND	4,500	ND	750	
106-46-7	1,4-Dichlorobenzene	ND	4,500	ND	750	
95-50-1	1,2-Dichlorobenzene	ND	4,500	ND	750	
5989-27-5	d-Limonene	ND	4,500	ND	810	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4,500	ND	470	
120-82-1	1,2,4-Trichlorobenzene	ND	4,500	ND	610	
91-20-3	Naphthalene	ND	4,500	ND	870	
87-68-3	Hexachlorobutadiene	ND	4,500	ND	430	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits; results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605084

ALS Sample ID: P161101-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	L
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits; results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605084

ALS Sample ID: P161101-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605084

ALS Sample ID: P161101-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Gannett Fleming, Incorporated

ALS Project ID: P1605084

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Analyst: Wida Ang
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 10/17/16
 Date(s) Received: 10/28/16
 Date(s) Analyzed: 11/1/16

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P161101-MB	102	104	95	70-130	
Lab Control Sample	P161101-LCS	97	100	93	70-130	
SVE Exhaust	P1605084-001	103	101	97	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1605084

ALS Sample ID: P161101-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	210	199	95	52-127	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	216	103	68-109	
74-87-3	Chloromethane	210	239	114	51-130	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	211	206	98	66-114	
75-01-4	Vinyl Chloride	210	226	108	61-125	
106-99-0	1,3-Butadiene	210	239	114	62-144	
74-83-9	Bromomethane	210	233	111	73-123	
75-00-3	Chloroethane	210	213	101	69-122	
64-17-5	Ethanol	1,060	1030	97	62-124	
75-05-8	Acetonitrile	213	206	97	57-114	
107-02-8	Acrolein	212	223	105	62-116	
67-64-1	Acetone	1,060	975	92	57-117	
75-69-4	Trichlorofluoromethane	210	207	99	63-98	L
67-63-0	2-Propanol (Isopropyl Alcohol)	424	464	109	66-121	
107-13-1	Acrylonitrile	213	224	105	68-123	
75-35-4	1,1-Dichloroethene	213	220	103	76-118	
75-09-2	Methylene Chloride	212	217	102	60-118	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	212	267	126	65-126	
76-13-1	Trichlorotrifluoroethane	212	213	100	73-114	
75-15-0	Carbon Disulfide	213	209	98	57-102	
156-60-5	trans-1,2-Dichloroethene	213	234	110	74-123	
75-34-3	1,1-Dichloroethane	212	209	99	69-111	
1634-04-4	Methyl tert-Butyl Ether	213	210	99	69-113	
108-05-4	Vinyl Acetate	1,060	1150	108	76-128	
78-93-3	2-Butanone (MEK)	212	242	114	63-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1605084

ALS Sample ID: P161101-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
156-59-2	cis-1,2-Dichloroethene	212	222	105	72-117	
141-78-6	Ethyl Acetate	426	448	105	68-127	
110-54-3	n-Hexane	213	192	90	55-116	
67-66-3	Chloroform	212	213	100	70-109	
109-99-9	Tetrahydrofuran (THF)	213	209	98	72-113	
107-06-2	1,2-Dichloroethane	212	211	100	69-113	
71-55-6	1,1,1-Trichloroethane	212	230	108	72-115	
71-43-2	Benzene	212	196	92	65-107	
56-23-5	Carbon Tetrachloride	213	227	107	71-113	
110-82-7	Cyclohexane	425	419	99	71-115	
78-87-5	1,2-Dichloropropane	212	215	101	71-115	
75-27-4	Bromodichloromethane	214	234	109	75-118	
79-01-6	Trichloroethene	212	191	90	68-114	
123-91-1	1,4-Dioxane	213	231	108	81-131	
80-62-6	Methyl Methacrylate	424	466	110	72-130	
142-82-5	n-Heptane	213	211	99	68-116	
10061-01-5	cis-1,3-Dichloropropene	210	236	112	77-126	
108-10-1	4-Methyl-2-pentanone	213	229	108	69-126	
10061-02-6	trans-1,3-Dichloropropene	213	246	115	79-125	
79-00-5	1,1,2-Trichloroethane	212	226	107	75-119	
108-88-3	Toluene	212	202	95	59-118	
591-78-6	2-Hexanone	213	225	106	69-129	
124-48-1	Dibromochloromethane	213	244	115	74-136	
106-93-4	1,2-Dibromoethane	212	226	107	73-131	
123-86-4	n-Butyl Acetate	216	237	110	69-130	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1605084

ALS Sample ID: P161101-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: NA

Analyst: Wida Ang

Date Analyzed: 11/1/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
111-65-9	n-Octane	212	209	99	66-120	
127-18-4	Tetrachloroethene	213	200	94	65-130	
108-90-7	Chlorobenzene	212	213	100	68-120	
100-41-4	Ethylbenzene	212	210	99	68-122	
179601-23-1	m,p-Xylenes	424	417	98	68-123	
75-25-2	Bromoform	212	255	120	69-130	
100-42-5	Styrene	212	231	109	71-133	
95-47-6	o-Xylene	212	210	99	68-122	
111-84-2	n-Nonane	212	211	100	65-120	
79-34-5	1,1,2,2-Tetrachloroethane	212	219	103	69-130	
98-82-8	Cumene	212	219	103	70-123	
80-56-8	alpha-Pinene	213	215	101	70-128	
103-65-1	n-Propylbenzene	214	210	98	69-125	
622-96-8	4-Ethyltoluene	212	232	109	67-130	
108-67-8	1,3,5-Trimethylbenzene	212	218	103	67-124	
95-63-6	1,2,4-Trimethylbenzene	212	226	107	67-129	
100-44-7	Benzyl Chloride	212	250	118	79-138	
541-73-1	1,3-Dichlorobenzene	212	219	103	65-136	
106-46-7	1,4-Dichlorobenzene	213	214	100	66-141	
95-50-1	1,2-Dichlorobenzene	212	217	102	67-136	
5989-27-5	d-Limonene	212	225	106	71-134	
96-12-8	1,2-Dibromo-3-chloropropane	212	230	108	73-136	
120-82-1	1,2,4-Trichlorobenzene	212	223	105	64-134	
91-20-3	Naphthalene	214	220	103	62-136	
87-68-3	Hexachlorobutadiene	213	203	95	60-133	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.



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www.alsglobal.com

LABORATORY REPORT

January 5, 2017

The Analytical Results & QA/QC
Data included with this report were
reviewed and approved by AWM
on 01/06/17.

Anthony Miller
Gannett Fleming, Incorporated
8025 Excelsior Dr.
Madison, WI 53717

Dear Anthony:

Enclosed are the results of the sample submitted to our laboratory on December 28, 2016. For your reference, this analysis has been assigned our service request number P1605980.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kelly Horiuchi at 6:14 pm, Jan 05, 2017

Kelly Horiuchi
Laboratory Director



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www.alsglobal.com

Client: Gannett Fleming, Incorporated

Service Request No: P1605980

CASE NARRATIVE

The sample was received intact under chain of custody on December 28, 2016 and was stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the sample at the time of sample receipt.

Volatile Organic Compound Analysis

The sample was analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for chloromethane and bromomethane in the Laboratory Control Sample (LCS) analyzed on December 29, 2016. The analytes in question were not detected in the associated field samples. Since the error associated with the elevated recovery equates to a high bias, the sample data has not been significantly affected. The data has been flagged accordingly. No corrective action was required.

The spike recovery of methyl tert-butyl ether for the Laboratory Control Sample (LCS) analyzed on December 29, 2016 was outside the laboratory generated control criterion. The recovery error equates to a potential high bias. However, the spike recovery of the analyte in question was within the method criteria; therefore, the data quality has not been significantly affected. No corrective action was taken.

The container was cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2016036
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1177034
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-003
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-16-7
Utah DOH (NELAP)	http://health.utah.gov/lab/environmental-lab-certification/	CA01627201 6-6
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Gannett Fleming, Incorporated

Service Request: P1605980

Date Received: 12/28/2016
Time Received: 09:45

TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	
SVE EXHAUST	P1605980-001	Air	12/20/2016	12:30	1SC00834	-0.20	5.19	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No. **P1805980**

Company Name & Address (Reporting Information) WRR ENVIRONMENTAL SERVICES 5200 RYAN DR EAU CLAIRE, WI 54701				Project Name					ALS Contact:		Comments e.g. Actual Preservative or specific instructions
				Project Number					Analysis Method		
Project Manager ANTHONY MILLER				P.O. # / Billing Information LANNETT FLEMING 8025 EXCURSION DR MADISON, WI 53717-1900							
Phone		Fax									
Email Address for Result Reporting AWMILLER@GFNET.COM				Sampler (Print & Sign)							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume			
SVE EXHAUST	D	12/20/16	1230	15C00834		-30 inHg	-1 inHg	1L	TO-15 LLS		
<p>Report Tier Levels - please select Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries) _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____</p> <p>EDD required YES / No Type: _____ Units: _____</p> <p>Chain of Custody Seal: (Circle) INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input checked="" type="checkbox"/></p>											
Relinquished by: (Signature)			Date: 12/20/16	Time: 1245	Received by: (Signature)			Date:	Time:		
Relinquished by: (Signature) FLAX G			Date:	Time:	Received by: (Signature)			Date: 12/28/16	Time: 0948		
Project Requirements (MRLs, QAPP)											
Cooler / Blank Temperature _____ °C											

5 of 16

**ALS Environmental
Sample Acceptance Check Form**

Client: Gannett Fleming, Incorporated

Work order: P1605980

Project: _____

Sample(s) received on: 12/28/16

Date opened: 12/28/16

by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1605980-001.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST

ALS Project ID: P1605980
 ALS Sample ID: P1605980-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:
 Container ID: 1SC00834

Date Collected: 12/20/16
 Date Received: 12/28/16
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 0.00060 Liter(s)

Initial Pressure (psig): -0.20 Final Pressure (psig): 5.19

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	1,100	ND	660	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1,100	ND	230	
74-87-3	Chloromethane	ND	1,100	ND	550	L
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	1,100	ND	160	
75-01-4	Vinyl Chloride	ND	1,100	ND	450	
106-99-0	1,3-Butadiene	ND	1,100	ND	520	
74-83-9	Bromomethane	ND	1,100	ND	290	L
75-00-3	Chloroethane	ND	1,100	ND	430	
64-17-5	Ethanol	ND	11,000	ND	6,100	
75-05-8	Acetonitrile	ND	1,100	ND	680	
107-02-8	Acrolein	ND	4,600	ND	2,000	
67-64-1	Acetone	12,000	11,000	5,100	4,800	
75-69-4	Trichlorofluoromethane	ND	1,100	ND	200	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	11,000	ND	4,600	
107-13-1	Acrylonitrile	ND	1,100	ND	530	
75-35-4	1,1-Dichloroethene	ND	1,100	ND	290	
75-09-2	Methylene Chloride	1,300	1,100	370	330	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	1,100	ND	360	
76-13-1	Trichlorotrifluoroethane	40,000	1,100	5,200	150	
75-15-0	Carbon Disulfide	ND	11,000	ND	3,700	
156-60-5	trans-1,2-Dichloroethene	ND	1,100	ND	290	
75-34-3	1,1-Dichloroethane	5,700	1,100	1,400	280	
1634-04-4	Methyl tert-Butyl Ether	ND	1,100	ND	320	
108-05-4	Vinyl Acetate	ND	11,000	ND	3,200	
78-93-3	2-Butanone (MEK)	14,000	11,000	4,800	3,900	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST

ALS Project ID: P1605980
 ALS Sample ID: P1605980-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:
 Container ID: 1SC00834

Date Collected: 12/20/16
 Date Received: 12/28/16
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 0.00060 Liter(s)

Initial Pressure (psig): -0.20 Final Pressure (psig): 5.19

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	17,000	1,100	4,400	290	
141-78-6	Ethyl Acetate	3,200	2,300	890	630	
110-54-3	n-Hexane	ND	1,100	ND	320	
67-66-3	Chloroform	ND	1,100	ND	230	
109-99-9	Tetrahydrofuran (THF)	ND	1,100	ND	390	
107-06-2	1,2-Dichloroethane	ND	1,100	ND	280	
71-55-6	1,1,1-Trichloroethane	33,000	1,100	6,000	210	
71-43-2	Benzene	ND	1,100	ND	360	
56-23-5	Carbon Tetrachloride	ND	1,100	ND	180	
110-82-7	Cyclohexane	4,800	2,300	1,400	660	
78-87-5	1,2-Dichloropropane	ND	1,100	ND	250	
75-27-4	Bromodichloromethane	ND	1,100	ND	170	
79-01-6	Trichloroethene	14,000	1,100	2,600	210	
123-91-1	1,4-Dioxane	ND	1,100	ND	320	
80-62-6	Methyl Methacrylate	ND	2,300	ND	560	
142-82-5	n-Heptane	2,300	1,100	560	280	
10061-01-5	cis-1,3-Dichloropropene	ND	1,100	ND	250	
108-10-1	4-Methyl-2-pentanone	ND	1,100	ND	280	
10061-02-6	trans-1,3-Dichloropropene	ND	1,100	ND	250	
79-00-5	1,1,2-Trichloroethane	ND	1,100	ND	210	
108-88-3	Toluene	140,000	1,100	38,000	300	
591-78-6	2-Hexanone	ND	1,100	ND	280	
124-48-1	Dibromochloromethane	ND	1,100	ND	130	
106-93-4	1,2-Dibromoethane	ND	1,100	ND	150	
123-86-4	n-Butyl Acetate	ND	1,100	ND	240	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: SVE EXHAUST

ALS Project ID: P1605980
 ALS Sample ID: P1605980-001

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:
 Container ID: 1SC00834

Date Collected: 12/20/16
 Date Received: 12/28/16
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 0.00060 Liter(s)

Initial Pressure (psig): -0.20 Final Pressure (psig): 5.19

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	2,600	1,100	560	240	
127-18-4	Tetrachloroethene	13,000	1,100	1,900	170	
108-90-7	Chlorobenzene	ND	1,100	ND	250	
100-41-4	Ethylbenzene	9,500	1,100	2,200	260	
179601-23-1	m,p-Xylenes	68,000	2,300	16,000	530	
75-25-2	Bromoform	ND	1,100	ND	110	
100-42-5	Styrene	ND	1,100	ND	270	
95-47-6	o-Xylene	19,000	1,100	4,300	260	
111-84-2	n-Nonane	1,800	1,100	340	220	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,100	ND	170	
98-82-8	Cumene	ND	1,100	ND	230	
80-56-8	alpha-Pinene	ND	1,100	ND	200	
103-65-1	n-Propylbenzene	ND	1,100	ND	230	
622-96-8	4-Ethyltoluene	ND	1,100	ND	230	
108-67-8	1,3,5-Trimethylbenzene	ND	1,100	ND	230	
95-63-6	1,2,4-Trimethylbenzene	ND	1,100	ND	230	
100-44-7	Benzyl Chloride	ND	1,100	ND	220	
541-73-1	1,3-Dichlorobenzene	ND	1,100	ND	190	
106-46-7	1,4-Dichlorobenzene	ND	1,100	ND	190	
95-50-1	1,2-Dichlorobenzene	ND	1,100	ND	190	
5989-27-5	d-Limonene	ND	1,100	ND	200	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1,100	ND	120	
120-82-1	1,2,4-Trichlorobenzene	ND	1,100	ND	150	
91-20-3	Naphthalene	ND	1,100	ND	220	
87-68-3	Hexachlorobutadiene	ND	1,100	ND	110	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605980

ALS Sample ID: P161229-MB

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	L
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	L
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605980

ALS Sample ID: P161229-MB

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 12/29/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 3 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Method Blank

ALS Project ID: P1605980

ALS Sample ID: P161229-MB

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: Gannett Fleming, Incorporated

ALS Project ID: P1605980

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister(s)
 Test Notes:

Date(s) Collected: 12/20/16
 Date(s) Received: 12/28/16
 Date(s) Analyzed: 12/29/16

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P161229-MB	98	101	95	70-130	
Lab Control Sample	P161229-LCS	97	99	96	70-130	
SVE EXHAUST	P1605980-001	95	100	96	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1605980

ALS Sample ID: P161229-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 12/29/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	210	211	100	52-127	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	195	93	68-109	
74-87-3	Chloromethane	210	278	132	51-130	L
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	211	190	90	66-114	
75-01-4	Vinyl Chloride	210	214	102	61-125	
106-99-0	1,3-Butadiene	210	238	113	62-144	
74-83-9	Bromomethane	210	275	131	73-123	L
75-00-3	Chloroethane	210	236	112	69-122	
64-17-5	Ethanol	1,060	1140	108	62-124	
75-05-8	Acetonitrile	213	240	113	57-114	
107-02-8	Acrolein	212	238	112	62-116	
67-64-1	Acetone	1,060	1120	106	57-117	
75-69-4	Trichlorofluoromethane	210	199	95	63-98	
67-63-0	2-Propanol (Isopropyl Alcohol)	424	499	118	66-121	
107-13-1	Acrylonitrile	213	256	120	68-123	
75-35-4	1,1-Dichloroethene	213	225	106	76-118	
75-09-2	Methylene Chloride	212	209	99	60-118	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	212	267	126	65-126	
76-13-1	Trichlorotrifluoroethane	212	209	99	73-114	
75-15-0	Carbon Disulfide	213	217	102	57-102	
156-60-5	trans-1,2-Dichloroethene	213	241	113	74-123	
75-34-3	1,1-Dichloroethane	212	220	104	69-111	
1634-04-4	Methyl tert-Butyl Ether	213	252	118	69-113	L
108-05-4	Vinyl Acetate	1,060	1200	113	76-128	
78-93-3	2-Butanone (MEK)	212	236	111	63-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Gannett Fleming, Incorporated

Client Sample ID: Lab Control Sample

ALS Project ID: P1605980

ALS Sample ID: P161229-LCS

Test Code: EPA TO-15

Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13

Date Received: NA

Analyst: Lusine Hakobyan

Date Analyzed: 12/29/16

Sample Type: 1.0 L Summa Canister

Volume(s) Analyzed: 0.125 Liter(s)

Test Notes:

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
156-59-2	cis-1,2-Dichloroethene	212	228	108	72-117	
141-78-6	Ethyl Acetate	426	487	114	68-127	
110-54-3	n-Hexane	213	211	99	55-116	
67-66-3	Chloroform	212	214	101	70-109	
109-99-9	Tetrahydrofuran (THF)	213	219	103	72-113	
107-06-2	1,2-Dichloroethane	212	214	101	69-113	
71-55-6	1,1,1-Trichloroethane	212	211	100	72-115	
71-43-2	Benzene	212	212	100	65-107	
56-23-5	Carbon Tetrachloride	213	211	99	71-113	
110-82-7	Cyclohexane	425	430	101	71-115	
78-87-5	1,2-Dichloropropane	212	229	108	71-115	
75-27-4	Bromodichloromethane	214	232	108	75-118	
79-01-6	Trichloroethene	212	219	103	68-114	
123-91-1	1,4-Dioxane	213	246	115	81-131	
80-62-6	Methyl Methacrylate	424	466	110	72-130	
142-82-5	n-Heptane	213	228	107	68-116	
10061-01-5	cis-1,3-Dichloropropene	210	239	114	77-126	
108-10-1	4-Methyl-2-pentanone	213	244	115	69-126	
10061-02-6	trans-1,3-Dichloropropene	213	234	110	79-125	
79-00-5	1,1,2-Trichloroethane	212	225	106	75-119	
108-88-3	Toluene	212	210	99	59-118	
591-78-6	2-Hexanone	213	249	117	69-129	
124-48-1	Dibromochloromethane	213	230	108	74-136	
106-93-4	1,2-Dibromoethane	212	232	109	73-131	
123-86-4	n-Butyl Acetate	216	258	119	69-130	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Gannett Fleming, Incorporated
Client Sample ID: Lab Control Sample

ALS Project ID: P1605980
 ALS Sample ID: P161229-LCS

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
 Analyst: Lusine Hakobyan
 Sample Type: 1.0 L Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 12/29/16
 Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
111-65-9	n-Octane	212	224	106	66-120	
127-18-4	Tetrachloroethene	213	214	100	65-130	
108-90-7	Chlorobenzene	212	211	100	68-120	
100-41-4	Ethylbenzene	212	218	103	68-122	
179601-23-1	m,p-Xylenes	424	433	102	68-123	
75-25-2	Bromoform	212	232	109	69-130	
100-42-5	Styrene	212	245	116	71-133	
95-47-6	o-Xylene	212	215	101	68-122	
111-84-2	n-Nonane	212	227	107	65-120	
79-34-5	1,1,2,2-Tetrachloroethane	212	229	108	69-130	
98-82-8	Cumene	212	214	101	70-123	
80-56-8	alpha-Pinene	213	228	107	70-128	
103-65-1	n-Propylbenzene	214	223	104	69-125	
622-96-8	4-Ethyltoluene	212	226	107	67-130	
108-67-8	1,3,5-Trimethylbenzene	212	206	97	67-124	
95-63-6	1,2,4-Trimethylbenzene	212	219	103	67-129	
100-44-7	Benzyl Chloride	212	245	116	79-138	
541-73-1	1,3-Dichlorobenzene	212	226	107	65-136	
106-46-7	1,4-Dichlorobenzene	213	219	103	66-141	
95-50-1	1,2-Dichlorobenzene	212	222	105	67-136	
5989-27-5	d-Limonene	212	249	117	71-134	
96-12-8	1,2-Dibromo-3-chloropropane	212	236	111	73-136	
120-82-1	1,2,4-Trichlorobenzene	212	255	120	64-134	
91-20-3	Naphthalene	214	277	129	62-136	
87-68-3	Hexachlorobutadiene	213	211	99	60-133	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

APPENDIX D

**RELEVANT PAGES OF THE WDNR'S "OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF SOIL AND GROUNDWATER REMEDIATION
SYSTEMS" FORM 4400-194**

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

<http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>

Section GI - General Site Information

A. General Information

1. Site name

WRR Environmental Services Co., Inc.

2. Reporting period from: 05/01/2016 To: 12/31/2016 Days in period: 245

3. Regulatory agency (enter DNR, DATCP and/or other) 4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
 DNR, DSPS, EPA, DOT, ATF, OSHA, DATCP 02-18-000274

5. Site location

Region	County	Address					
West Central Region	Eau Claire	5200 Ryder Road, Eau Claire, WI					
Municipality name	<input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼	¼ ¼
Washington		26 N	9		3	SW	SE

6. Responsible party Name	7. Consultant		
James L. Hager - CEO WRR Environmental	<input type="checkbox"/> Select if the following information has changed since the last submittal		
Mailing address	Company name		
5200 Ryder Road, Eau Claire, WI	Gannett Fleming, Inc.		
Phone number	Mailing address	Phone number	
(715) 834-9624	8025 Excelsior Drive Madison, WI 53717	(608) 836-1500	

8. Contaminants
 Alcohols, ketones, chlorinated and petroleum-related compounds

9. Soil types (USCS or USDA)
 Surficial soil is primarily SM and SP with some underlying ML-CL layers

10. Hydraulic conductivity(cm/sec): 0.000264 to 0.0006096
 11. Average linear velocity of groundwater (ft/yr): 12.6 to 88.4

12. If soil is treated ex situ, is the treatment location off site? Yes No

If yes, give location: Region _____ County _____

Municipality name	<input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input type="radio"/> E <input type="radio"/> W	Section	¼	¼ ¼
		N					

Site name: WRR Environmental Services Co., Inc.

Reporting period from: 05/01/2016 To: 12/31/2016

Days in period: 245

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 2 of 28

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? Yes No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness Yes No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time? Yes No

4. Is closure sampling warranted at this time? Yes No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No

If yes, explain:

Changing or cleaning pumps and redevelopment of recovery wells, as necessary.

D. Economic and Cost Data to Date

1. Total investigation cost: _____

2. Implementation costs (design, capital and installation costs, excluding investigation costs): _____

3. Total costs during the previous reporting period: _____

4. Total costs during this reporting period: _____

5. Total anticipated costs for the next reporting period: _____

6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No

If yes, explain:

7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

Site name: WRR Environmental Services Co., Inc.
Reporting period from: 05/01/2016 To: 12/31/2016
Days in period: 245

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 3 of 28

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Scientists:

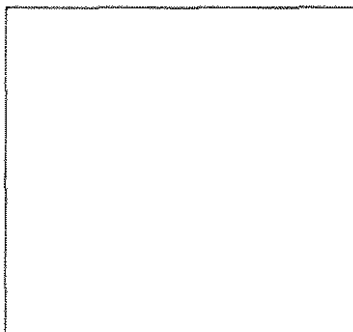
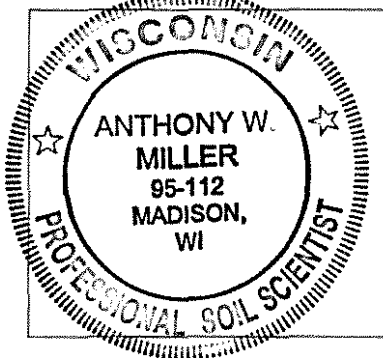
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Anthony W. Miller	Senior Environmental Scientist/Project Manager
Signature <i>Anthony W. Miller</i>	Date
	02/13/2017

Other Persons:

Print name	Title
Jim Hager	CEO WRR Environmental
Signature <i>Jim Hager</i>	Date

Professional Seal(s), if applicable:



Site name: WRR Environmental Services Co., Inc.

Reporting period from: 05/01/2016 To: 12/31/2016

Days in period: 245

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 4 of 28

Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 12 and the number in use during period: 9
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
Counting WRR's production well as a groundwater extraction well, the "system" operated for a total of 238 days during this reporting period.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
97%

4. Quantity of groundwater extracted during this time period: 9,758,776 gallons

5. Average groundwater extraction rate: 28.5 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: 1,752 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? Yes No

If yes, explain:

2. Quantity of free product extracted during this time period (enter none if none): _____ gallons

3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? Yes No

If no, explain:

Some portion of off-site contaminant plume is likely not being captured.

2. If free product is present, is the free product fully contained in capture zone? Yes No

If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: Vinyl Chloride

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.9 %

c. Maximum contaminant concentration level in any monitoring well of that contaminant: 370 µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant: 92 µg/L

Site name: WRR Environmental Services Co., Inc.

Reporting period from: 05/01/2016 To: 12/31/2016

Days in period: 245

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 5 of 28

- e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Site name: WRR Environmental Services Co., Inc.

Reporting period from: 05/01/2016 To: 12/31/2016

Days in period: 245

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 9 of 28

Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 2

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
161

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
66% - SVE system was started on July 6, 2016, and turned off for 3 weeks for upgrades and vacation.

4. Average depth to groundwater: _____ gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: _____

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: _____

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 22.4 pounds per day

2. Average contaminant removal rate per well or venting point: 22.4 pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

i. Oxygen levels in extracted air: _____ percent

ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain: _____

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.

APPENDIX E

**LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS FOR
SOIL AND GROUNDWATER SAMPLES COLLECTED DURING
GEOPROBE INVESTIGATION – SEPTEMBER 2016**

October 05, 2016

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/05/16.**

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40138917

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40138917

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR
Pace Project No.: 40138917

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138917001	GP-75 72.5-76.5'	Water	09/21/16 12:40	09/23/16 07:30
40138917002	GP-75 66-70'	Water	09/21/16 13:05	09/23/16 07:30
40138917003	GP-75 59-63'	Water	09/21/16 13:30	09/23/16 07:30
40138917004	GP-75 52-56'	Water	09/21/16 13:50	09/23/16 07:30
40138917005	GP-80	Water	09/22/16 08:45	09/23/16 07:30
40138917006	GP-81	Water	09/22/16 10:10	09/23/16 07:30
40138917007	GP-82	Water	09/22/16 10:50	09/23/16 07:30
40138917008	GP-83	Water	09/22/16 11:50	09/23/16 07:30
40138917009	MP-1	Water	09/22/16 10:51	09/23/16 07:30
40138917010	TRIP BLANK	Water	09/22/16 00:00	09/23/16 07:30
40138917011	GP-84	Water	09/22/16 13:25	09/23/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40138917

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138917001	GP-75 72.5-76.5'	EPA 8260	HNW	69
40138917002	GP-75 66-70'	EPA 8260	HNW	69
40138917003	GP-75 59-63'	EPA 8260	HNW	69
40138917004	GP-75 52-56'	EPA 8260	HNW	69
40138917005	GP-80	EPA 8260	HNW	69
40138917006	GP-81	EPA 8260	HNW	69
40138917007	GP-82	EPA 8260	HNW	69
40138917008	GP-83	EPA 8260	HNW	69
40138917009	MP-1	EPA 8260	HNW	69
40138917010	TRIP BLANK	EPA 8260	HNW	69
40138917011	GP-84	EPA 8260	HNW	69

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138917001	GP-75 72.5-76.5'					
EPA 8260	1,1-Dichloroethane	9.7	ug/L	1.0	10/04/16 08:32	
EPA 8260	1,1-Dichloroethene	1.1	ug/L	1.0	10/04/16 08:32	
EPA 8260	1,2-Dichloroethane	0.57J	ug/L	1.0	10/04/16 08:32	L1
EPA 8260	1,2-Dichloropropane	0.38J	ug/L	1.0	10/04/16 08:32	
EPA 8260	Acetone	15.7J	ug/L	20.0	10/04/16 08:32	
EPA 8260	Chloroethane	1.7	ug/L	1.0	10/04/16 08:32	
EPA 8260	Ethylbenzene	2.5	ug/L	1.0	10/04/16 08:32	
EPA 8260	Toluene	23.5	ug/L	1.0	10/04/16 08:32	
EPA 8260	Trichloroethene	2.3	ug/L	1.0	10/04/16 08:32	
EPA 8260	Vinyl chloride	0.91J	ug/L	1.0	10/04/16 08:32	
EPA 8260	Xylene (Total)	6.0	ug/L	3.0	10/04/16 08:32	
EPA 8260	cis-1,2-Dichloroethene	33.1	ug/L	1.0	10/04/16 08:32	
EPA 8260	m&p-Xylene	3.8	ug/L	2.0	10/04/16 08:32	
EPA 8260	o-Xylene	2.2	ug/L	1.0	10/04/16 08:32	
EPA 8260	trans-1,2-Dichloroethene	12.6	ug/L	1.0	10/04/16 08:32	
40138917002	GP-75 66-70'					
EPA 8260	1,1-Dichloroethane	6.4	ug/L	1.0	09/30/16 19:23	
EPA 8260	1,1-Dichloroethene	0.67J	ug/L	1.0	09/30/16 19:23	
EPA 8260	Acetone	11.0J	ug/L	20.0	09/30/16 19:23	
EPA 8260	Ethylbenzene	1.2	ug/L	1.0	09/30/16 19:23	
EPA 8260	Toluene	13.2	ug/L	1.0	09/30/16 19:23	
EPA 8260	Trichloroethene	1.5	ug/L	1.0	09/30/16 19:23	
EPA 8260	Vinyl chloride	0.70J	ug/L	1.0	09/30/16 19:23	
EPA 8260	Xylene (Total)	3.6	ug/L	3.0	09/30/16 19:23	
EPA 8260	cis-1,2-Dichloroethene	23.0	ug/L	1.0	09/30/16 19:23	
EPA 8260	m&p-Xylene	2.2	ug/L	2.0	09/30/16 19:23	
EPA 8260	o-Xylene	1.4	ug/L	1.0	09/30/16 19:23	
EPA 8260	trans-1,2-Dichloroethene	7.9	ug/L	1.0	09/30/16 19:23	
40138917003	GP-75 59-63'					
EPA 8260	1,1-Dichloroethane	24.2	ug/L	1.0	09/30/16 19:45	
EPA 8260	1,2-Dichloroethane	1.4	ug/L	1.0	09/30/16 19:45	L1
EPA 8260	1,2-Dichloropropane	0.59J	ug/L	1.0	09/30/16 19:45	
EPA 8260	Acetone	13.7J	ug/L	20.0	09/30/16 19:45	
EPA 8260	Benzene	1.1	ug/L	1.0	09/30/16 19:45	
EPA 8260	Ethylbenzene	15.7	ug/L	1.0	09/30/16 19:45	
EPA 8260	Toluene	13.2	ug/L	1.0	09/30/16 19:45	
EPA 8260	Trichloroethene	0.66J	ug/L	1.0	09/30/16 19:45	
EPA 8260	Vinyl chloride	1.3	ug/L	1.0	09/30/16 19:45	
EPA 8260	Xylene (Total)	12.0	ug/L	3.0	09/30/16 19:45	
EPA 8260	cis-1,2-Dichloroethene	8.0	ug/L	1.0	09/30/16 19:45	
EPA 8260	m&p-Xylene	3.6	ug/L	2.0	09/30/16 19:45	
EPA 8260	o-Xylene	8.4	ug/L	1.0	09/30/16 19:45	
EPA 8260	trans-1,2-Dichloroethene	2.6	ug/L	1.0	09/30/16 19:45	
40138917004	GP-75 52-56'					
EPA 8260	1,1-Dichloroethane	75.4	ug/L	10.0	09/30/16 20:07	
EPA 8260	1,2-Dichloroethane	5.4J	ug/L	10.0	09/30/16 20:07	L1

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138917

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138917004	GP-75 52-56'					
EPA 8260	Ethylbenzene	45.8	ug/L	10.0	09/30/16 20:07	
EPA 8260	Toluene	560	ug/L	10.0	09/30/16 20:07	
EPA 8260	Vinyl chloride	7.0J	ug/L	10.0	09/30/16 20:07	
EPA 8260	Xylene (Total)	89.8	ug/L	30.0	09/30/16 20:07	
EPA 8260	cis-1,2-Dichloroethene	11.0	ug/L	10.0	09/30/16 20:07	
EPA 8260	m&p-Xylene	57.1	ug/L	20.0	09/30/16 20:07	
EPA 8260	o-Xylene	32.8	ug/L	10.0	09/30/16 20:07	
40138917005	GP-80					
EPA 8260	1,1,1-Trichloroethane	358	ug/L	40.0	10/04/16 10:45	
EPA 8260	1,1-Dichloroethane	64.1	ug/L	40.0	10/04/16 10:45	
EPA 8260	Methyl-tert-butyl ether	14.4J	ug/L	40.0	10/04/16 10:45	
EPA 8260	Methylene Chloride	4190	ug/L	40.0	10/04/16 10:45	
EPA 8260	Tetrachloroethene	307	ug/L	40.0	10/04/16 10:45	
EPA 8260	Trichloroethene	226	ug/L	40.0	10/04/16 10:45	
EPA 8260	cis-1,2-Dichloroethene	333	ug/L	40.0	10/04/16 10:45	
40138917006	GP-81					
EPA 8260	1,1,1-Trichloroethane	720	ug/L	10.0	10/04/16 11:07	
EPA 8260	1,1,2-Trichloroethane	14.8	ug/L	10.0	10/04/16 11:07	
EPA 8260	1,1-Dichloroethane	260	ug/L	10.0	10/04/16 11:07	
EPA 8260	1,1-Dichloroethene	19.0	ug/L	10.0	10/04/16 11:07	
EPA 8260	1,2-Dichloroethane	4.8J	ug/L	10.0	10/04/16 11:07	L1
EPA 8260	Methylene Chloride	9.1J	ug/L	10.0	10/04/16 11:07	
EPA 8260	Tetrachloroethene	737	ug/L	10.0	10/04/16 11:07	
EPA 8260	Trichloroethene	530	ug/L	10.0	10/04/16 11:07	
EPA 8260	Vinyl chloride	2.4J	ug/L	10.0	10/04/16 11:07	
EPA 8260	cis-1,2-Dichloroethene	1320	ug/L	10.0	10/04/16 11:07	
EPA 8260	trans-1,2-Dichloroethene	14.0	ug/L	10.0	10/04/16 11:07	
40138917007	GP-82					
EPA 8260	1,1,1-Trichloroethane	17.0	ug/L	10.0	09/30/16 15:21	
EPA 8260	Tetrachloroethene	1060	ug/L	10.0	09/30/16 15:21	
EPA 8260	Trichloroethene	10.7	ug/L	10.0	09/30/16 15:21	
EPA 8260	cis-1,2-Dichloroethene	3.5J	ug/L	10.0	09/30/16 15:21	
40138917008	GP-83					
EPA 8260	1,1,1-Trichloroethane	2.7	ug/L	1.0	09/30/16 16:27	
EPA 8260	Tetrachloroethene	0.80J	ug/L	1.0	09/30/16 16:27	
40138917009	MP-1					
EPA 8260	1,1,1-Trichloroethane	1560	ug/L	100	09/30/16 15:43	
EPA 8260	1,1,2-Trichloroethane	219	ug/L	100	09/30/16 15:43	
EPA 8260	1,1-Dichloroethane	1240	ug/L	100	09/30/16 15:43	
EPA 8260	1,1-Dichloroethene	83.0J	ug/L	100	09/30/16 15:43	
EPA 8260	1,2-Dichloroethane	170	ug/L	100	09/30/16 15:43	L1
EPA 8260	1,2-Dichloropropane	31.6J	ug/L	100	09/30/16 15:43	
EPA 8260	Methyl-tert-butyl ether	29.1J	ug/L	100	09/30/16 15:43	
EPA 8260	Tetrachloroethene	1310	ug/L	100	09/30/16 15:43	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138917

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138917009	MP-1					
EPA 8260	Trichloroethene	1350	ug/L	100	09/30/16 15:43	
EPA 8260	Vinyl chloride	48.2J	ug/L	100	09/30/16 15:43	
EPA 8260	cis-1,2-Dichloroethene	8210	ug/L	100	09/30/16 15:43	
40138917011	GP-84					
EPA 8260	1,1,1-Trichloroethane	103	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,1,2-Trichloroethane	4.6	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,1-Dichloroethane	157	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,2,4-Trimethylbenzene	13.4	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,2-Dichlorobenzene	2.3J	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,2-Dichloroethane	5.3	ug/L	4.0	09/30/16 16:05	L1
EPA 8260	1,2-Dichloropropane	2.0J	ug/L	4.0	09/30/16 16:05	
EPA 8260	1,3,5-Trimethylbenzene	3.5J	ug/L	4.0	09/30/16 16:05	
EPA 8260	Acetone	16.0J	ug/L	80.0	09/30/16 16:05	
EPA 8260	Chloroethane	25.3	ug/L	4.0	09/30/16 16:05	
EPA 8260	Ethylbenzene	240	ug/L	4.0	09/30/16 16:05	
EPA 8260	Isopropylbenzene (Cumene)	4.3	ug/L	4.0	09/30/16 16:05	
EPA 8260	Methylene Chloride	20.7	ug/L	4.0	09/30/16 16:05	
EPA 8260	Tetrachloroethene	15.8	ug/L	4.0	09/30/16 16:05	
EPA 8260	Toluene	171	ug/L	4.0	09/30/16 16:05	
EPA 8260	Trichloroethene	10.2	ug/L	4.0	09/30/16 16:05	
EPA 8260	Vinyl chloride	18.6	ug/L	4.0	09/30/16 16:05	
EPA 8260	Xylene (Total)	588	ug/L	12.0	09/30/16 16:05	
EPA 8260	cis-1,2-Dichloroethene	225	ug/L	4.0	09/30/16 16:05	
EPA 8260	m&p-Xylene	433	ug/L	8.0	09/30/16 16:05	
EPA 8260	n-Propylbenzene	2.7J	ug/L	4.0	09/30/16 16:05	
EPA 8260	o-Xylene	155	ug/L	4.0	09/30/16 16:05	
EPA 8260	trans-1,2-Dichloroethene	2.4J	ug/L	4.0	09/30/16 16:05	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 72.5-76.5' Lab ID: 40138917001 Collected: 09/21/16 12:40 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/04/16 08:32	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/04/16 08:32	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/04/16 08:32	79-00-5	
1,1-Dichloroethane	9.7	ug/L	1.0	0.24	1		10/04/16 08:32	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.41	1		10/04/16 08:32	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/04/16 08:32	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/04/16 08:32	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/04/16 08:32	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/04/16 08:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/04/16 08:32	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	95-50-1	
1,2-Dichloroethane	0.57J	ug/L	1.0	0.17	1		10/04/16 08:32	107-06-2	L1
1,2-Dichloropropane	0.38J	ug/L	1.0	0.23	1		10/04/16 08:32	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/04/16 08:32	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/04/16 08:32	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/04/16 08:32	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/04/16 08:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/04/16 08:32	108-10-1	
Acetone	15.7J	ug/L	20.0	3.0	1		10/04/16 08:32	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/04/16 08:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/04/16 08:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/04/16 08:32	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	108-90-7	
Chloroethane	1.7	ug/L	1.0	0.37	1		10/04/16 08:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/04/16 08:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/04/16 08:32	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/04/16 08:32	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	108-20-3	
Ethylbenzene	2.5	ug/L	1.0	0.50	1		10/04/16 08:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/04/16 08:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/04/16 08:32	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/04/16 08:32	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 72.5-76.5' **Lab ID: 40138917001** Collected: 09/21/16 12:40 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/04/16 08:32	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/04/16 08:32	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	127-18-4	
Toluene	23.5	ug/L	1.0	0.50	1		10/04/16 08:32	108-88-3	
Trichloroethene	2.3	ug/L	1.0	0.33	1		10/04/16 08:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/04/16 08:32	75-69-4	
Vinyl chloride	0.91J	ug/L	1.0	0.18	1		10/04/16 08:32	75-01-4	
Xylene (Total)	6.0	ug/L	3.0	1.5	1		10/04/16 08:32	1330-20-7	
cis-1,2-Dichloroethene	33.1	ug/L	1.0	0.26	1		10/04/16 08:32	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	10061-01-5	
m&p-Xylene	3.8	ug/L	2.0	1.0	1		10/04/16 08:32	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	103-65-1	
o-Xylene	2.2	ug/L	1.0	0.50	1		10/04/16 08:32	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/04/16 08:32	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/04/16 08:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/04/16 08:32	98-06-6	
trans-1,2-Dichloroethene	12.6	ug/L	1.0	0.26	1		10/04/16 08:32	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/04/16 08:32	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1		10/04/16 08:32	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/04/16 08:32	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		10/04/16 08:32	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 66-70' Lab ID: 40138917002 Collected: 09/21/16 13:05 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 19:23	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 19:23	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 19:23	79-00-5	
1,1-Dichloroethane	6.4	ug/L	1.0	0.24	1		09/30/16 19:23	75-34-3	
1,1-Dichloroethene	0.67J	ug/L	1.0	0.41	1		09/30/16 19:23	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 19:23	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 19:23	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 19:23	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 19:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 19:23	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 19:23	107-06-2	L3
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 19:23	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 19:23	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 19:23	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 19:23	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 19:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 19:23	108-10-1	
Acetone	11.0J	ug/L	20.0	3.0	1		09/30/16 19:23	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 19:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 19:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 19:23	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 19:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 19:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 19:23	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 19:23	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	108-20-3	
Ethylbenzene	1.2	ug/L	1.0	0.50	1		09/30/16 19:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 19:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 19:23	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 19:23	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 66-70' **Lab ID: 40138917002** Collected: 09/21/16 13:05 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 19:23	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 19:23	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	127-18-4	
Toluene	13.2	ug/L	1.0	0.50	1		09/30/16 19:23	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.33	1		09/30/16 19:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 19:23	75-69-4	
Vinyl chloride	0.70J	ug/L	1.0	0.18	1		09/30/16 19:23	75-01-4	
Xylene (Total)	3.6	ug/L	3.0	1.5	1		09/30/16 19:23	1330-20-7	
cis-1,2-Dichloroethene	23.0	ug/L	1.0	0.26	1		09/30/16 19:23	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	10061-01-5	
m&p-Xylene	2.2	ug/L	2.0	1.0	1		09/30/16 19:23	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	103-65-1	
o-Xylene	1.4	ug/L	1.0	0.50	1		09/30/16 19:23	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:23	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 19:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 19:23	98-06-6	
trans-1,2-Dichloroethene	7.9	ug/L	1.0	0.26	1		09/30/16 19:23	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 19:23	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1		09/30/16 19:23	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/30/16 19:23	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		09/30/16 19:23	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 59-63' Lab ID: 40138917003 Collected: 09/21/16 13:30 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 19:45	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 19:45	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 19:45	79-00-5	
1,1-Dichloroethane	24.2	ug/L	1.0	0.24	1		09/30/16 19:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 19:45	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 19:45	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 19:45	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 19:45	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 19:45	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 19:45	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	95-50-1	
1,2-Dichloroethane	1.4	ug/L	1.0	0.17	1		09/30/16 19:45	107-06-2	L1
1,2-Dichloropropane	0.59J	ug/L	1.0	0.23	1		09/30/16 19:45	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 19:45	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 19:45	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 19:45	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 19:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 19:45	108-10-1	
Acetone	13.7J	ug/L	20.0	3.0	1		09/30/16 19:45	67-64-1	
Benzene	1.1	ug/L	1.0	0.50	1		09/30/16 19:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 19:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 19:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 19:45	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 19:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 19:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 19:45	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 19:45	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	108-20-3	
Ethylbenzene	15.7	ug/L	1.0	0.50	1		09/30/16 19:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 19:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 19:45	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 19:45	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 59-63' **Lab ID: 40138917003** Collected: 09/21/16 13:30 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 19:45	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 19:45	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	127-18-4	
Toluene	13.2	ug/L	1.0	0.50	1		09/30/16 19:45	108-88-3	
Trichloroethene	0.66J	ug/L	1.0	0.33	1		09/30/16 19:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 19:45	75-69-4	
Vinyl chloride	1.3	ug/L	1.0	0.18	1		09/30/16 19:45	75-01-4	
Xylene (Total)	12.0	ug/L	3.0	1.5	1		09/30/16 19:45	1330-20-7	
cis-1,2-Dichloroethene	8.0	ug/L	1.0	0.26	1		09/30/16 19:45	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	10061-01-5	
m&p-Xylene	3.6	ug/L	2.0	1.0	1		09/30/16 19:45	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	103-65-1	
o-Xylene	8.4	ug/L	1.0	0.50	1		09/30/16 19:45	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 19:45	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 19:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 19:45	98-06-6	
trans-1,2-Dichloroethene	2.6	ug/L	1.0	0.26	1		09/30/16 19:45	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 19:45	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1		09/30/16 19:45	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/30/16 19:45	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		09/30/16 19:45	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 52-56' Lab ID: 40138917004 Collected: 09/21/16 13:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		09/30/16 20:07	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		09/30/16 20:07	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		09/30/16 20:07	79-00-5	
1,1-Dichloroethane	75.4	ug/L	10.0	2.4	10		09/30/16 20:07	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		09/30/16 20:07	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		09/30/16 20:07	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		09/30/16 20:07	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		09/30/16 20:07	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		09/30/16 20:07	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		09/30/16 20:07	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	95-50-1	
1,2-Dichloroethane	5.4J	ug/L	10.0	1.7	10		09/30/16 20:07	107-06-2	L1
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		09/30/16 20:07	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		09/30/16 20:07	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		09/30/16 20:07	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		09/30/16 20:07	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		09/30/16 20:07	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		09/30/16 20:07	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		09/30/16 20:07	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		09/30/16 20:07	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		09/30/16 20:07	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		09/30/16 20:07	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		09/30/16 20:07	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		09/30/16 20:07	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		09/30/16 20:07	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		09/30/16 20:07	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	108-20-3	
Ethylbenzene	45.8	ug/L	10.0	5.0	10		09/30/16 20:07	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		09/30/16 20:07	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		09/30/16 20:07	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		09/30/16 20:07	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-75 52-56' **Lab ID:** 40138917004 Collected: 09/21/16 13:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		09/30/16 20:07	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		09/30/16 20:07	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	100-42-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	127-18-4	
Toluene	560	ug/L	10.0	5.0	10		09/30/16 20:07	108-88-3	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		09/30/16 20:07	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		09/30/16 20:07	75-69-4	
Vinyl chloride	7.0J	ug/L	10.0	1.8	10		09/30/16 20:07	75-01-4	
Xylene (Total)	89.8	ug/L	30.0	15.0	10		09/30/16 20:07	1330-20-7	
cis-1,2-Dichloroethene	11.0	ug/L	10.0	2.6	10		09/30/16 20:07	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	10061-01-5	
m&p-Xylene	57.1	ug/L	20.0	10.0	10		09/30/16 20:07	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	103-65-1	
o-Xylene	32.8	ug/L	10.0	5.0	10		09/30/16 20:07	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		09/30/16 20:07	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		09/30/16 20:07	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		09/30/16 20:07	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		09/30/16 20:07	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		09/30/16 20:07	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		10		09/30/16 20:07	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		09/30/16 20:07	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		10		09/30/16 20:07	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-80 **Lab ID: 40138917005** Collected: 09/22/16 08:45 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<7.2	ug/L	40.0	7.2	40		10/04/16 10:45	630-20-6	
1,1,1-Trichloroethane	358	ug/L	40.0	20.0	40		10/04/16 10:45	71-55-6	
1,1,2,2-Tetrachloroethane	<10	ug/L	40.0	10	40		10/04/16 10:45	79-34-5	
1,1,2-Trichloroethane	<7.9	ug/L	40.0	7.9	40		10/04/16 10:45	79-00-5	
1,1-Dichloroethane	64.1	ug/L	40.0	9.7	40		10/04/16 10:45	75-34-3	
1,1-Dichloroethene	<16.4	ug/L	40.0	16.4	40		10/04/16 10:45	75-35-4	
1,1-Dichloropropene	<17.6	ug/L	40.0	17.6	40		10/04/16 10:45	563-58-6	
1,2,3-Trichlorobenzene	<85.3	ug/L	200	85.3	40		10/04/16 10:45	87-61-6	
1,2,3-Trichloropropane	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	96-18-4	
1,2,4-Trichlorobenzene	<88.4	ug/L	200	88.4	40		10/04/16 10:45	120-82-1	
1,2,4-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	95-63-6	
1,2-Dibromo-3-chloropropane	<86.6	ug/L	200	86.6	40		10/04/16 10:45	96-12-8	
1,2-Dibromoethane (EDB)	<7.1	ug/L	40.0	7.1	40		10/04/16 10:45	106-93-4	
1,2-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	95-50-1	
1,2-Dichloroethane	<6.7	ug/L	40.0	6.7	40		10/04/16 10:45	107-06-2	L3
1,2-Dichloropropane	<9.3	ug/L	40.0	9.3	40		10/04/16 10:45	78-87-5	
1,3,5-Trimethylbenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	108-67-8	
1,3-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	541-73-1	
1,3-Dichloropropane	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	142-28-9	
1,4-Dichlorobenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	106-46-7	
2,2-Dichloropropane	<19.4	ug/L	40.0	19.4	40		10/04/16 10:45	594-20-7	
2-Butanone (MEK)	<119	ug/L	800	119	40		10/04/16 10:45	78-93-3	
2-Chlorotoluene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	95-49-8	
2-Propanol	<974	ug/L	10000	974	40		10/04/16 10:45	67-63-0	
4-Chlorotoluene	<8.5	ug/L	40.0	8.5	40		10/04/16 10:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	<85.6	ug/L	200	85.6	40		10/04/16 10:45	108-10-1	
Acetone	<118	ug/L	800	118	40		10/04/16 10:45	67-64-1	
Benzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	71-43-2	
Bromobenzene	<9.2	ug/L	40.0	9.2	40		10/04/16 10:45	108-86-1	
Bromochloromethane	<13.6	ug/L	40.0	13.6	40		10/04/16 10:45	74-97-5	
Bromodichloromethane	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	75-27-4	
Bromoform	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	75-25-2	
Bromomethane	<97.4	ug/L	200	97.4	40		10/04/16 10:45	74-83-9	
Carbon tetrachloride	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	56-23-5	
Chlorobenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	108-90-7	
Chloroethane	<15.0	ug/L	40.0	15.0	40		10/04/16 10:45	75-00-3	
Chloroform	<100	ug/L	200	100	40		10/04/16 10:45	67-66-3	
Chloromethane	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	74-87-3	
Dibromochloromethane	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	124-48-1	
Dibromomethane	<17.1	ug/L	40.0	17.1	40		10/04/16 10:45	74-95-3	
Dichlorodifluoromethane	<9.0	ug/L	40.0	9.0	40		10/04/16 10:45	75-71-8	
Diisopropyl ether	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	108-20-3	
Ethylbenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	100-41-4	
Hexachloro-1,3-butadiene	<84.2	ug/L	200	84.2	40		10/04/16 10:45	87-68-3	
Isopropylbenzene (Cumene)	<5.7	ug/L	40.0	5.7	40		10/04/16 10:45	98-82-8	
Methyl-tert-butyl ether	14.4J	ug/L	40.0	7.0	40		10/04/16 10:45	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-80 **Lab ID: 40138917005** Collected: 09/22/16 08:45 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	4190	ug/L	40.0	9.3	40		10/04/16 10:45	75-09-2	
Naphthalene	<100	ug/L	200	100	40		10/04/16 10:45	91-20-3	
Styrene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	100-42-5	
Tetrachloroethene	307	ug/L	40.0	20.0	40		10/04/16 10:45	127-18-4	
Toluene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	108-88-3	
Trichloroethene	226	ug/L	40.0	13.2	40		10/04/16 10:45	79-01-6	
Trichlorofluoromethane	<7.4	ug/L	40.0	7.4	40		10/04/16 10:45	75-69-4	
Vinyl chloride	<7.0	ug/L	40.0	7.0	40		10/04/16 10:45	75-01-4	
Xylene (Total)	<60.0	ug/L	120	60.0	40		10/04/16 10:45	1330-20-7	
cis-1,2-Dichloroethene	333	ug/L	40.0	10.2	40		10/04/16 10:45	156-59-2	
cis-1,3-Dichloropropene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	10061-01-5	
m&p-Xylene	<40.0	ug/L	80.0	40.0	40		10/04/16 10:45	179601-23-1	
n-Butylbenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	104-51-8	
n-Propylbenzene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	103-65-1	
o-Xylene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	95-47-6	
p-Isopropyltoluene	<20.0	ug/L	40.0	20.0	40		10/04/16 10:45	99-87-6	
sec-Butylbenzene	<87.4	ug/L	200	87.4	40		10/04/16 10:45	135-98-8	
tert-Butylbenzene	<7.2	ug/L	40.0	7.2	40		10/04/16 10:45	98-06-6	
trans-1,2-Dichloroethene	<10.3	ug/L	40.0	10.3	40		10/04/16 10:45	156-60-5	
trans-1,3-Dichloropropene	<9.2	ug/L	40.0	9.2	40		10/04/16 10:45	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		40		10/04/16 10:45	1868-53-7	
Toluene-d8 (S)	95	%	70-130		40		10/04/16 10:45	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		40		10/04/16 10:45	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-81 **Lab ID: 40138917006** Collected: 09/22/16 10:10 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/04/16 11:07	630-20-6	
1,1,1-Trichloroethane	720	ug/L	10.0	5.0	10		10/04/16 11:07	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/04/16 11:07	79-34-5	
1,1,2-Trichloroethane	14.8	ug/L	10.0	2.0	10		10/04/16 11:07	79-00-5	
1,1-Dichloroethane	260	ug/L	10.0	2.4	10		10/04/16 11:07	75-34-3	
1,1-Dichloroethene	19.0	ug/L	10.0	4.1	10		10/04/16 11:07	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/04/16 11:07	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/04/16 11:07	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/04/16 11:07	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/04/16 11:07	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/04/16 11:07	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	95-50-1	
1,2-Dichloroethane	4.8J	ug/L	10.0	1.7	10		10/04/16 11:07	107-06-2	L1
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/04/16 11:07	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/04/16 11:07	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		10/04/16 11:07	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		10/04/16 11:07	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/04/16 11:07	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		10/04/16 11:07	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		10/04/16 11:07	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/04/16 11:07	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/04/16 11:07	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/04/16 11:07	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		10/04/16 11:07	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/04/16 11:07	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/04/16 11:07	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/04/16 11:07	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/04/16 11:07	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/04/16 11:07	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/04/16 11:07	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-81 **Lab ID: 40138917006** Collected: 09/22/16 10:10 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	9.1J	ug/L	10.0	2.3	10		10/04/16 11:07	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/04/16 11:07	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	100-42-5	
Tetrachloroethene	737	ug/L	10.0	5.0	10		10/04/16 11:07	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	108-88-3	
Trichloroethene	530	ug/L	10.0	3.3	10		10/04/16 11:07	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/04/16 11:07	75-69-4	
Vinyl chloride	2.4J	ug/L	10.0	1.8	10		10/04/16 11:07	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		10/04/16 11:07	1330-20-7	
cis-1,2-Dichloroethene	1320	ug/L	10.0	2.6	10		10/04/16 11:07	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/04/16 11:07	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/04/16 11:07	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/04/16 11:07	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/04/16 11:07	98-06-6	
trans-1,2-Dichloroethene	14.0	ug/L	10.0	2.6	10		10/04/16 11:07	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/04/16 11:07	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	120	%	70-130		10		10/04/16 11:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		10/04/16 11:07	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		10		10/04/16 11:07	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-82 **Lab ID: 40138917007** Collected: 09/22/16 10:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		09/30/16 15:21	630-20-6	
1,1,1-Trichloroethane	17.0	ug/L	10.0	5.0	10		09/30/16 15:21	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		09/30/16 15:21	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		09/30/16 15:21	79-00-5	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		09/30/16 15:21	75-34-3	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		09/30/16 15:21	75-35-4	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		09/30/16 15:21	563-58-6	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		09/30/16 15:21	87-61-6	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	96-18-4	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		09/30/16 15:21	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	95-63-6	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		09/30/16 15:21	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		09/30/16 15:21	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	95-50-1	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		09/30/16 15:21	107-06-2	L3
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		09/30/16 15:21	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	106-46-7	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		09/30/16 15:21	594-20-7	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		09/30/16 15:21	78-93-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	95-49-8	
2-Propanol	<243	ug/L	2500	243	10		09/30/16 15:21	67-63-0	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		09/30/16 15:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	<21.4	ug/L	50.0	21.4	10		09/30/16 15:21	108-10-1	
Acetone	<29.5	ug/L	200	29.5	10		09/30/16 15:21	67-64-1	
Benzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		09/30/16 15:21	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		09/30/16 15:21	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		09/30/16 15:21	74-83-9	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		09/30/16 15:21	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		09/30/16 15:21	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	74-87-3	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	124-48-1	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		09/30/16 15:21	74-95-3	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		09/30/16 15:21	75-71-8	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		09/30/16 15:21	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		09/30/16 15:21	98-82-8	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		09/30/16 15:21	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-82 **Lab ID: 40138917007** Collected: 09/22/16 10:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		09/30/16 15:21	75-09-2	
Naphthalene	<25.0	ug/L	50.0	25.0	10		09/30/16 15:21	91-20-3	
Styrene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	100-42-5	
Tetrachloroethene	1060	ug/L	10.0	5.0	10		09/30/16 15:21	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	108-88-3	
Trichloroethene	10.7	ug/L	10.0	3.3	10		09/30/16 15:21	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		09/30/16 15:21	75-69-4	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		09/30/16 15:21	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		09/30/16 15:21	1330-20-7	
cis-1,2-Dichloroethene	3.5J	ug/L	10.0	2.6	10		09/30/16 15:21	156-59-2	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	10061-01-5	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		09/30/16 15:21	179601-23-1	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	104-51-8	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	103-65-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	95-47-6	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		09/30/16 15:21	99-87-6	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		09/30/16 15:21	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		09/30/16 15:21	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		09/30/16 15:21	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		09/30/16 15:21	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		10		09/30/16 15:21	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		09/30/16 15:21	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		10		09/30/16 15:21	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40138917

Sample: GP-83 **Lab ID: 40138917008** Collected: 09/22/16 11:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 16:27	630-20-6	
1,1,1-Trichloroethane	2.7	ug/L	1.0	0.50	1		09/30/16 16:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 16:27	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 16:27	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/30/16 16:27	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 16:27	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 16:27	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 16:27	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 16:27	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 16:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 16:27	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 16:27	107-06-2	L3
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 16:27	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 16:27	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 16:27	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 16:27	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 16:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 16:27	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		09/30/16 16:27	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 16:27	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 16:27	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 16:27	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 16:27	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 16:27	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 16:27	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 16:27	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 16:27	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 16:27	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 16:27	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-83 **Lab ID: 40138917008** Collected: 09/22/16 11:50 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 16:27	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 16:27	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	100-42-5	
Tetrachloroethene	0.80J	ug/L	1.0	0.50	1		09/30/16 16:27	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/30/16 16:27	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 16:27	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/30/16 16:27	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		09/30/16 16:27	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 16:27	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/30/16 16:27	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 16:27	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 16:27	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 16:27	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 16:27	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 16:27	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		1		09/30/16 16:27	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/30/16 16:27	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		09/30/16 16:27	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: MP-1 **Lab ID: 40138917009** Collected: 09/22/16 10:51 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		09/30/16 15:43	630-20-6	
1,1,1-Trichloroethane	1560	ug/L	100	50.0	100		09/30/16 15:43	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		09/30/16 15:43	79-34-5	
1,1,2-Trichloroethane	219	ug/L	100	19.7	100		09/30/16 15:43	79-00-5	
1,1-Dichloroethane	1240	ug/L	100	24.2	100		09/30/16 15:43	75-34-3	
1,1-Dichloroethene	83.0J	ug/L	100	41.0	100		09/30/16 15:43	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		09/30/16 15:43	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		09/30/16 15:43	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		09/30/16 15:43	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		09/30/16 15:43	120-82-1	
1,2,4-Trimethylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		09/30/16 15:43	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		09/30/16 15:43	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	95-50-1	
1,2-Dichloroethane	170	ug/L	100	16.8	100		09/30/16 15:43	107-06-2	L1
1,2-Dichloropropane	31.6J	ug/L	100	23.3	100		09/30/16 15:43	78-87-5	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		09/30/16 15:43	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		09/30/16 15:43	594-20-7	
2-Butanone (MEK)	<298	ug/L	2000	298	100		09/30/16 15:43	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	95-49-8	
2-Propanol	<2430	ug/L	25000	2430	100		09/30/16 15:43	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		09/30/16 15:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<214	ug/L	500	214	100		09/30/16 15:43	108-10-1	
Acetone	<295	ug/L	2000	295	100		09/30/16 15:43	67-64-1	
Benzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		09/30/16 15:43	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		09/30/16 15:43	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		09/30/16 15:43	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		09/30/16 15:43	75-25-2	
Bromomethane	<243	ug/L	500	243	100		09/30/16 15:43	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		09/30/16 15:43	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	108-90-7	
Chloroethane	<37.5	ug/L	100	37.5	100		09/30/16 15:43	75-00-3	
Chloroform	<250	ug/L	500	250	100		09/30/16 15:43	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		09/30/16 15:43	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		09/30/16 15:43	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		09/30/16 15:43	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		09/30/16 15:43	75-71-8	
Diisopropyl ether	<50.0	ug/L	100	50.0	100		09/30/16 15:43	108-20-3	
Ethylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		09/30/16 15:43	87-68-3	
Isopropylbenzene (Cumene)	<14.3	ug/L	100	14.3	100		09/30/16 15:43	98-82-8	
Methyl-tert-butyl ether	29.1J	ug/L	100	17.4	100		09/30/16 15:43	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: MP-1 **Lab ID: 40138917009** Collected: 09/22/16 10:51 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<23.3	ug/L	100	23.3	100		09/30/16 15:43	75-09-2	
Naphthalene	<250	ug/L	500	250	100		09/30/16 15:43	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	100-42-5	
Tetrachloroethene	1310	ug/L	100	50.0	100		09/30/16 15:43	127-18-4	
Toluene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	108-88-3	
Trichloroethene	1350	ug/L	100	33.1	100		09/30/16 15:43	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		09/30/16 15:43	75-69-4	
Vinyl chloride	48.2J	ug/L	100	17.6	100		09/30/16 15:43	75-01-4	
Xylene (Total)	<150	ug/L	300	150	100		09/30/16 15:43	1330-20-7	
cis-1,2-Dichloroethene	8210	ug/L	100	25.6	100		09/30/16 15:43	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	10061-01-5	
m&p-Xylene	<100	ug/L	200	100	100		09/30/16 15:43	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	103-65-1	
o-Xylene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		09/30/16 15:43	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		09/30/16 15:43	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		09/30/16 15:43	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		09/30/16 15:43	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		09/30/16 15:43	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		100		09/30/16 15:43	1868-53-7	
Toluene-d8 (S)	98	%	70-130		100		09/30/16 15:43	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		100		09/30/16 15:43	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: TRIP BLANK **Lab ID: 40138917010** Collected: 09/22/16 00:00 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 10:22	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 10:22	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 10:22	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/30/16 10:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 10:22	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 10:22	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 10:22	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 10:22	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 10:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 10:22	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 10:22	107-06-2	L3
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 10:22	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 10:22	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 10:22	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 10:22	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 10:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 10:22	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		09/30/16 10:22	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 10:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 10:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 10:22	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 10:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 10:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 10:22	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 10:22	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 10:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 10:22	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 10:22	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: TRIP BLANK **Lab ID: 40138917010** Collected: 09/22/16 00:00 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 10:22	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 10:22	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/30/16 10:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 10:22	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/30/16 10:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		09/30/16 10:22	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 10:22	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/30/16 10:22	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:22	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 10:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 10:22	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 10:22	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 10:22	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	118	%	70-130		1		09/30/16 10:22	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/30/16 10:22	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		09/30/16 10:22	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-84 **Lab ID: 40138917011** Collected: 09/22/16 13:25 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		09/30/16 16:05	630-20-6	
1,1,1-Trichloroethane	103	ug/L	4.0	2.0	4		09/30/16 16:05	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		09/30/16 16:05	79-34-5	
1,1,2-Trichloroethane	4.6	ug/L	4.0	0.79	4		09/30/16 16:05	79-00-5	
1,1-Dichloroethane	157	ug/L	4.0	0.97	4		09/30/16 16:05	75-34-3	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		09/30/16 16:05	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		09/30/16 16:05	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		09/30/16 16:05	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		09/30/16 16:05	120-82-1	
1,2,4-Trimethylbenzene	13.4	ug/L	4.0	2.0	4		09/30/16 16:05	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		09/30/16 16:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		09/30/16 16:05	106-93-4	
1,2-Dichlorobenzene	2.3J	ug/L	4.0	2.0	4		09/30/16 16:05	95-50-1	
1,2-Dichloroethane	5.3	ug/L	4.0	0.67	4		09/30/16 16:05	107-06-2	L1
1,2-Dichloropropane	2.0J	ug/L	4.0	0.93	4		09/30/16 16:05	78-87-5	
1,3,5-Trimethylbenzene	3.5J	ug/L	4.0	2.0	4		09/30/16 16:05	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		09/30/16 16:05	594-20-7	
2-Butanone (MEK)	<11.9	ug/L	80.0	11.9	4		09/30/16 16:05	78-93-3	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	95-49-8	
2-Propanol	<97.4	ug/L	1000	97.4	4		09/30/16 16:05	67-63-0	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		09/30/16 16:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	<8.6	ug/L	20.0	8.6	4		09/30/16 16:05	108-10-1	
Acetone	16.0J	ug/L	80.0	11.8	4		09/30/16 16:05	67-64-1	
Benzene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		09/30/16 16:05	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		09/30/16 16:05	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		09/30/16 16:05	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	108-90-7	
Chloroethane	25.3	ug/L	4.0	1.5	4		09/30/16 16:05	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		09/30/16 16:05	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		09/30/16 16:05	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		09/30/16 16:05	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	108-20-3	
Ethylbenzene	240	ug/L	4.0	2.0	4		09/30/16 16:05	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		09/30/16 16:05	87-68-3	
Isopropylbenzene (Cumene)	4.3	ug/L	4.0	0.57	4		09/30/16 16:05	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		09/30/16 16:05	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138917

Sample: GP-84 **Lab ID: 40138917011** Collected: 09/22/16 13:25 Received: 09/23/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	20.7	ug/L	4.0	0.93	4		09/30/16 16:05	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		09/30/16 16:05	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	100-42-5	
Tetrachloroethene	15.8	ug/L	4.0	2.0	4		09/30/16 16:05	127-18-4	
Toluene	171	ug/L	4.0	2.0	4		09/30/16 16:05	108-88-3	
Trichloroethene	10.2	ug/L	4.0	1.3	4		09/30/16 16:05	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		09/30/16 16:05	75-69-4	
Vinyl chloride	18.6	ug/L	4.0	0.70	4		09/30/16 16:05	75-01-4	
Xylene (Total)	588	ug/L	12.0	6.0	4		09/30/16 16:05	1330-20-7	
cis-1,2-Dichloroethene	225	ug/L	4.0	1.0	4		09/30/16 16:05	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	10061-01-5	
m&p-Xylene	433	ug/L	8.0	4.0	4		09/30/16 16:05	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	104-51-8	
n-Propylbenzene	2.7J	ug/L	4.0	2.0	4		09/30/16 16:05	103-65-1	
o-Xylene	155	ug/L	4.0	2.0	4		09/30/16 16:05	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		09/30/16 16:05	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		09/30/16 16:05	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		09/30/16 16:05	98-06-6	
trans-1,2-Dichloroethene	2.4J	ug/L	4.0	1.0	4		09/30/16 16:05	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		09/30/16 16:05	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		4		09/30/16 16:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		4		09/30/16 16:05	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		4		09/30/16 16:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138917

QC Batch: 236097 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138917002, 40138917003, 40138917004, 40138917007, 40138917008, 40138917009, 40138917010, 40138917011

METHOD BLANK: 1400247 Matrix: Water
Associated Lab Samples: 40138917002, 40138917003, 40138917004, 40138917007, 40138917008, 40138917009, 40138917010, 40138917011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/30/16 06:20	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/30/16 06:20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/30/16 06:20	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/30/16 06:20	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/30/16 06:20	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/30/16 06:20	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/30/16 06:20	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/30/16 06:20	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/30/16 06:20	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/30/16 06:20	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/30/16 06:20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/30/16 06:20	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/30/16 06:20	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/30/16 06:20	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/30/16 06:20	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/30/16 06:20	
2-Butanone (MEK)	ug/L	<3.0	20.0	09/30/16 06:20	
2-Chlorotoluene	ug/L	<0.50	1.0	09/30/16 06:20	
2-Propanol	ug/L	<24.3	250	09/30/16 06:20	
4-Chlorotoluene	ug/L	<0.21	1.0	09/30/16 06:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	09/30/16 06:20	
Acetone	ug/L	<3.0	20.0	09/30/16 06:20	
Benzene	ug/L	<0.50	1.0	09/30/16 06:20	
Bromobenzene	ug/L	<0.23	1.0	09/30/16 06:20	
Bromochloromethane	ug/L	<0.34	1.0	09/30/16 06:20	
Bromodichloromethane	ug/L	<0.50	1.0	09/30/16 06:20	
Bromoform	ug/L	<0.50	1.0	09/30/16 06:20	
Bromomethane	ug/L	<2.4	5.0	09/30/16 06:20	
Carbon tetrachloride	ug/L	<0.50	1.0	09/30/16 06:20	
Chlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Chloroethane	ug/L	<0.37	1.0	09/30/16 06:20	
Chloroform	ug/L	<2.5	5.0	09/30/16 06:20	
Chloromethane	ug/L	<0.50	1.0	09/30/16 06:20	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 06:20	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/30/16 06:20	

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: 55929.005 WRR

Pace Project No.: 40138917

METHOD BLANK: 1400247

Matrix: Water

Associated Lab Samples: 40138917002, 40138917003, 40138917004, 40138917007, 40138917008, 40138917009, 40138917010, 40138917011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.50	1.0	09/30/16 06:20	
Dibromomethane	ug/L	<0.43	1.0	09/30/16 06:20	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/30/16 06:20	
Diisopropyl ether	ug/L	<0.50	1.0	09/30/16 06:20	
Ethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/30/16 06:20	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/30/16 06:20	
m&p-Xylene	ug/L	<1.0	2.0	09/30/16 06:20	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/30/16 06:20	
Methylene Chloride	ug/L	<0.23	1.0	09/30/16 06:20	
n-Butylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
n-Propylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Naphthalene	ug/L	<2.5	5.0	09/30/16 06:20	
o-Xylene	ug/L	<0.50	1.0	09/30/16 06:20	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/30/16 06:20	
sec-Butylbenzene	ug/L	<2.2	5.0	09/30/16 06:20	
Styrene	ug/L	<0.50	1.0	09/30/16 06:20	
tert-Butylbenzene	ug/L	<0.18	1.0	09/30/16 06:20	
Tetrachloroethene	ug/L	<0.50	1.0	09/30/16 06:20	
Toluene	ug/L	<0.50	1.0	09/30/16 06:20	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 06:20	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/30/16 06:20	
Trichloroethene	ug/L	<0.33	1.0	09/30/16 06:20	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/30/16 06:20	
Vinyl chloride	ug/L	<0.18	1.0	09/30/16 06:20	
Xylene (Total)	ug/L	<1.5	3.0	09/30/16 06:20	
4-Bromofluorobenzene (S)	%	91	70-130	09/30/16 06:20	
Dibromofluoromethane (S)	%	112	70-130	09/30/16 06:20	
Toluene-d8 (S)	%	100	70-130	09/30/16 06:20	

LABORATORY CONTROL SAMPLE: 1400248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.7	107	70-131	
1,1,1,2-Tetrachloroethane	ug/L	50	51.4	103	67-130	
1,1,2-Trichloroethane	ug/L	50	56.8	114	70-130	
1,1-Dichloroethane	ug/L	50	57.8	116	70-133	
1,1-Dichloroethene	ug/L	50	40.4	81	70-130	
1,2,4-Trichlorobenzene	ug/L	50	39.1	78	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	66.7	133	70-130 L0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138917

LABORATORY CONTROL SAMPLE: 1400248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	62.2	124	70-130	
1,3-Dichlorobenzene	ug/L	50	46.9	94	70-130	
1,4-Dichlorobenzene	ug/L	50	47.3	95	70-130	
Benzene	ug/L	50	61.4	123	60-135	
Bromodichloromethane	ug/L	50	62.1	124	70-130	
Bromoform	ug/L	50	47.3	95	70-130	
Bromomethane	ug/L	50	31.5	63	33-130	
Carbon tetrachloride	ug/L	50	53.0	106	70-138	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	40.2	80	51-130	
Chloroform	ug/L	50	59.3	119	70-130	
Chloromethane	ug/L	50	33.1	66	25-132	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	69-130	
cis-1,3-Dichloropropene	ug/L	50	57.0	114	70-130	
Dibromochloromethane	ug/L	50	49.6	99	70-130	
Dichlorodifluoromethane	ug/L	50	34.7	69	23-130	
Ethylbenzene	ug/L	50	55.5	111	70-136	
Isopropylbenzene (Cumene)	ug/L	50	57.3	115	70-140	
m&p-Xylene	ug/L	100	115	115	70-138	
Methyl-tert-butyl ether	ug/L	50	53.5	107	66-138	
Methylene Chloride	ug/L	50	49.8	100	70-130	
o-Xylene	ug/L	50	53.5	107	70-134	
Styrene	ug/L	50	56.1	112	70-133	
Tetrachloroethene	ug/L	50	46.6	93	70-138	
Toluene	ug/L	50	51.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.7	93	70-131	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	69-130	
Trichloroethene	ug/L	50	57.2	114	70-130	
Trichlorofluoromethane	ug/L	50	47.0	94	50-150	
Vinyl chloride	ug/L	50	42.7	85	49-130	
Xylene (Total)	ug/L	150	169	113	70-135	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402297 1402298

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138821001 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	58.3	57.4	116	114	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	53.9	54.3	108	109	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.8	54.4	108	109	70-130	1	20		
1,1-Dichloroethane	ug/L	1.1	50	50	63.2	59.5	124	117	70-134	6	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	43.0	41.9	86	84	68-136	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	42.1	41.8	84	84	62-139	0	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138917

Parameter	Units	40138821001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec							
MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402297																
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.5	50.0	93	100	50-150	7	20					
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.0	52.8	102	106	70-130	4	20					
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.1	103	102	70-130	1	20					
1,2-Dichloroethane	ug/L	<0.17	50	50	68.5	68.3	137	137	70-130	0	20	MO				
1,2-Dichloropropane	ug/L	<0.23	50	50	60.1	63.1	120	126	70-130	5	20					
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.4	47.0	99	94	70-131	5	20					
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.9	48.0	102	96	70-130	6	20					
Benzene	ug/L	<0.50	50	50	63.8	62.5	128	125	57-138	2	20					
Bromodichloromethane	ug/L	<0.50	50	50	60.9	62.2	122	124	70-130	2	20					
Bromoform	ug/L	<0.50	50	50	45.2	48.9	90	98	70-130	8	20					
Bromomethane	ug/L	<2.4	50	50	36.7	38.9	73	78	33-130	6	27					
Carbon tetrachloride	ug/L	<0.50	50	50	55.0	55.6	110	111	70-138	1	20					
Chlorobenzene	ug/L	<0.50	50	50	51.3	52.4	103	105	70-130	2	20					
Chloroethane	ug/L	1.3	50	50	42.9	43.0	83	83	51-130	0	20					
Chloroform	ug/L	<2.5	50	50	63.0	63.0	126	126	70-130	0	20					
Chloromethane	ug/L	<0.50	50	50	35.7	33.7	71	67	25-132	6	20					
cis-1,2-Dichloroethene	ug/L	1.8	50	50	55.9	53.9	108	104	61-140	4	20					
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	57.5	59.2	115	118	70-130	3	20					
Dibromochloromethane	ug/L	<0.50	50	50	50.4	51.0	101	102	70-130	1	20					
Dichlorodifluoromethane	ug/L	0.30J	50	50	37.0	36.1	73	72	23-130	3	20					
Ethylbenzene	ug/L	1.0	50	50	54.6	56.1	107	110	70-138	3	20					
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.3	59.4	113	119	70-152	5	20					
m&p-Xylene	ug/L	2.5	100	100	114	120	112	117	70-140	5	20					
Methyl-tert-butyl ether	ug/L	<0.17	50	50	56.0	55.7	112	111	66-139	0	20					
Methylene Chloride	ug/L	<0.23	50	50	51.1	48.5	102	97	70-130	5	20					
o-Xylene	ug/L	1.5	50	50	53.3	56.8	104	111	70-134	6	20					
Styrene	ug/L	<0.50	50	50	55.7	58.1	111	116	70-138	4	20					
Tetrachloroethene	ug/L	<0.50	50	50	44.2	46.7	88	93	70-148	6	20					
Toluene	ug/L	2.2	50	50	53.9	56.1	103	108	70-130	4	20					
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.4	46.9	95	94	70-133	1	20					
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	52.2	53.7	104	107	69-130	3	20					
Trichloroethene	ug/L	<0.33	50	50	53.9	55.4	108	111	70-131	3	20					
Trichlorofluoromethane	ug/L	<0.18	50	50	49.2	50.1	98	100	50-150	2	20					
Vinyl chloride	ug/L	0.50J	50	50	44.5	44.2	88	87	49-133	1	20					
Xylene (Total)	ug/L	4.0	150	150	167	176	109	115	70-135	5	20					
4-Bromofluorobenzene (S)	%						99	103	70-130							
Dibromofluoromethane (S)	%						112	110	70-130							
Toluene-d8 (S)	%						95	98	70-130							

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138917

QC Batch: 236878 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138917001, 40138917005, 40138917006

METHOD BLANK: 1404387 Matrix: Water
Associated Lab Samples: 40138917001, 40138917005, 40138917006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/04/16 05:58	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/04/16 05:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/04/16 05:58	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/04/16 05:58	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/04/16 05:58	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/04/16 05:58	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/04/16 05:58	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/04/16 05:58	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/04/16 05:58	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/04/16 05:58	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/04/16 05:58	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/04/16 05:58	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/04/16 05:58	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/04/16 05:58	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/04/16 05:58	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/04/16 05:58	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/04/16 05:58	
2-Chlorotoluene	ug/L	<0.50	1.0	10/04/16 05:58	
2-Propanol	ug/L	<24.3	250	10/04/16 05:58	
4-Chlorotoluene	ug/L	<0.21	1.0	10/04/16 05:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/04/16 05:58	
Acetone	ug/L	<3.0	20.0	10/04/16 05:58	
Benzene	ug/L	<0.50	1.0	10/04/16 05:58	
Bromobenzene	ug/L	<0.23	1.0	10/04/16 05:58	
Bromochloromethane	ug/L	<0.34	1.0	10/04/16 05:58	
Bromodichloromethane	ug/L	<0.50	1.0	10/04/16 05:58	
Bromoform	ug/L	<0.50	1.0	10/04/16 05:58	
Bromomethane	ug/L	<2.4	5.0	10/04/16 05:58	
Carbon tetrachloride	ug/L	<0.50	1.0	10/04/16 05:58	
Chlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Chloroethane	ug/L	<0.37	1.0	10/04/16 05:58	
Chloroform	ug/L	<2.5	5.0	10/04/16 05:58	
Chloromethane	ug/L	<0.50	1.0	10/04/16 05:58	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 05:58	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/04/16 05:58	
Dibromochloromethane	ug/L	<0.50	1.0	10/04/16 05:58	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Project No.: 40138917

METHOD BLANK: 1404387

Matrix: Water

Associated Lab Samples: 40138917001, 40138917005, 40138917006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	10/04/16 05:58	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/04/16 05:58	
Diisopropyl ether	ug/L	<0.50	1.0	10/04/16 05:58	
Ethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/04/16 05:58	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/04/16 05:58	
m&p-Xylene	ug/L	<1.0	2.0	10/04/16 05:58	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/04/16 05:58	
Methylene Chloride	ug/L	<0.23	1.0	10/04/16 05:58	
n-Butylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
n-Propylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Naphthalene	ug/L	<2.5	5.0	10/04/16 05:58	
o-Xylene	ug/L	<0.50	1.0	10/04/16 05:58	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/04/16 05:58	
sec-Butylbenzene	ug/L	<2.2	5.0	10/04/16 05:58	
Styrene	ug/L	<0.50	1.0	10/04/16 05:58	
tert-Butylbenzene	ug/L	<0.18	1.0	10/04/16 05:58	
Tetrachloroethene	ug/L	<0.50	1.0	10/04/16 05:58	
Toluene	ug/L	<0.50	1.0	10/04/16 05:58	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 05:58	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/04/16 05:58	
Trichloroethene	ug/L	<0.33	1.0	10/04/16 05:58	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/04/16 05:58	
Vinyl chloride	ug/L	<0.18	1.0	10/04/16 05:58	
Xylene (Total)	ug/L	<1.5	3.0	10/04/16 05:58	
4-Bromofluorobenzene (S)	%	91	70-130	10/04/16 05:58	
Dibromofluoromethane (S)	%	112	70-130	10/04/16 05:58	
Toluene-d8 (S)	%	96	70-130	10/04/16 05:58	

LABORATORY CONTROL SAMPLE: 1404388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	67-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	70-133	
1,1-Dichloroethene	ug/L	50	38.0	76	70-130	
1,2,4-Trichlorobenzene	ug/L	50	38.3	77	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.4	97	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dichloroethane	ug/L	50	65.6	131	70-130 L0	
1,2-Dichloropropane	ug/L	50	62.6	125	70-130	
1,3-Dichlorobenzene	ug/L	50	45.2	90	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138917

LABORATORY CONTROL SAMPLE: 1404388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	46.6	93	70-130	
Benzene	ug/L	50	62.0	124	60-135	
Bromodichloromethane	ug/L	50	59.8	120	70-130	
Bromoform	ug/L	50	46.5	93	70-130	
Bromomethane	ug/L	50	30.3	61	33-130	
Carbon tetrachloride	ug/L	50	57.9	116	70-138	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	39.3	79	51-130	
Chloroform	ug/L	50	61.8	124	70-130	
Chloromethane	ug/L	50	30.6	61	25-132	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	69-130	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dichlorodifluoromethane	ug/L	50	30.8	62	23-130	
Ethylbenzene	ug/L	50	52.5	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	70-140	
m&p-Xylene	ug/L	100	107	107	70-138	
Methyl-tert-butyl ether	ug/L	50	52.2	104	66-138	
Methylene Chloride	ug/L	50	47.3	95	70-130	
o-Xylene	ug/L	50	51.5	103	70-134	
Styrene	ug/L	50	54.4	109	70-133	
Tetrachloroethene	ug/L	50	43.8	88	70-138	
Toluene	ug/L	50	51.2	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	42.4	85	70-131	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	69-130	
Trichloroethene	ug/L	50	53.5	107	70-130	
Trichlorofluoromethane	ug/L	50	46.5	93	50-150	
Vinyl chloride	ug/L	50	41.2	82	49-130	
Xylene (Total)	ug/L	150	159	106	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1404389 1404390

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139212045	Spike Conc.	Spike Conc.	MSD								
1,1,1-Trichloroethane	ug/L	<5.0	50	50	55.3	59.5	111	119	70-134	7	20		
1,1,2,2-Tetrachloroethane	ug/L	<2.5	50	50	48.7	50.0	97	100	67-130	3	20		
1,1,2-Trichloroethane	ug/L	<2.0	50	50	51.6	50.7	103	101	70-130	2	20		
1,1-Dichloroethane	ug/L	<2.4	50	50	60.5	62.9	121	126	70-134	4	20		
1,1-Dichloroethene	ug/L	<4.1	50	50	41.0	41.8	82	84	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<22.1	50	50	38.7	41.7	77	83	62-139	7	20		
1,2-Dibromo-3-chloropropane	ug/L	<21.6	50	50	45.4	45.5	91	91	50-150	0	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138917

Parameter	Units	40139212045		1404389		1404390		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dibromoethane (EDB)	ug/L	<1.8	50	50	48.9	51.3	98	103	70-130	5	20		
1,2-Dichlorobenzene	ug/L	<5.0	50	50	45.4	47.9	91	96	70-130	5	20		
1,2-Dichloroethane	ug/L	<1.7	50	50	63.8	64.1	128	128	70-130	0	20		
1,2-Dichloropropane	ug/L	<2.3	50	50	60.2	61.8	120	124	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<5.0	50	50	44.1	47.4	88	95	70-131	7	20		
1,4-Dichlorobenzene	ug/L	<5.0	50	50	45.5	46.9	91	94	70-130	3	20		
Benzene	ug/L	<5.0	50	50	61.4	64.2	123	128	57-138	5	20		
Bromodichloromethane	ug/L	<5.0	50	50	61.1	61.9	122	124	70-130	1	20		
Bromoform	ug/L	<5.0	50	50	45.4	45.2	91	90	70-130	0	20		
Bromomethane	ug/L	<24.3	50	50	37.5	35.6	75	71	33-130	5	27		
Carbon tetrachloride	ug/L	<5.0	50	50	56.2	57.4	112	115	70-138	2	20		
Chlorobenzene	ug/L	<5.0	50	50	49.0	50.4	98	101	70-130	3	20		
Chloroethane	ug/L	<3.7	50	50	47.7	48.9	95	98	51-130	3	20		
Chloroform	ug/L	<25.0	50	50	60.2	62.2	120	124	70-130	3	20		
Chloromethane	ug/L	<5.0	50	50	43.0	46.4	86	93	25-132	8	20		
cis-1,2-Dichloroethene	ug/L	<2.6	50	50	51.4	51.3	103	103	61-140	0	20		
cis-1,3-Dichloropropene	ug/L	<5.0	50	50	57.5	59.2	115	118	70-130	3	20		
Dibromochloromethane	ug/L	<5.0	50	50	48.6	50.0	97	100	70-130	3	20		
Dichlorodifluoromethane	ug/L	<2.2	50	50	49.3	51.1	99	102	23-130	4	20		
Ethylbenzene	ug/L	<5.0	50	50	51.2	53.1	102	106	70-138	4	20		
Isopropylbenzene (Cumene)	ug/L	<1.4	50	50	54.3	55.9	109	112	70-152	3	20		
m&p-Xylene	ug/L	<10.0	100	100	106	108	106	108	70-140	2	20		
Methyl-tert-butyl ether	ug/L	<1.7	50	50	53.7	54.1	107	108	66-139	1	20		
Methylene Chloride	ug/L	<2.3	50	50	45.2	47.1	90	94	70-130	4	20		
o-Xylene	ug/L	<5.0	50	50	50.4	51.6	101	103	70-134	2	20		
Styrene	ug/L	<5.0	50	50	54.3	54.9	109	110	70-138	1	20		
Tetrachloroethene	ug/L	<5.0	50	50	42.3	43.8	85	88	70-148	4	20		
Toluene	ug/L	<5.0	50	50	49.6	50.5	99	101	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<2.6	50	50	43.2	44.5	86	89	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<2.3	50	50	52.4	52.2	105	104	69-130	0	20		
Trichloroethene	ug/L	<3.3	50	50	55.0	57.4	110	115	70-131	4	20		
Trichlorofluoromethane	ug/L	<1.8	50	50	48.1	51.9	96	104	50-150	8	20		
Vinyl chloride	ug/L	<1.8	50	50	51.7	54.1	103	108	49-133	4	20		
Xylene (Total)	ug/L	<15.0	150	150	157	160	104	106	70-135	2	20		
4-Bromofluorobenzene (S)	%						105	106	70-130				
Dibromofluoromethane (S)	%						109	112	70-130				
Toluene-d8 (S)	%						96	95	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40138917

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

- 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 may be biased high.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40138917

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138917001	GP-75 72.5-76.5'	EPA 8260	236878		
40138917002	GP-75 66-70'	EPA 8260	236097		
40138917003	GP-75 59-63'	EPA 8260	236097		
40138917004	GP-75 52-56'	EPA 8260	236097		
40138917005	GP-80	EPA 8260	236878		
40138917006	GP-81	EPA 8260	236878		
40138917007	GP-82	EPA 8260	236097		
40138917008	GP-83	EPA 8260	236097		
40138917009	MP-1	EPA 8260	236097		
40138917010	TRIP BLANK	EPA 8260	236097		
40138917011	GP-84	EPA 8260	236097		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison
 Project Contact: Anthony Miller
 Phone: 608-836-1500
 Project Number: 55929.005
 Project Name: WRR
 Project State: WI
 Sampled By (Print): Marcus Musser
 Sampled By (Sign): *[Signature]*

PO #: _____ Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40138917

Page 40 of 41

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Y/N	Pick Letter	Analyses Requested	DATE	TIME	MATRIX
	B	NOCS 8260	9/21	12:40	GW
				13:05	
				13:30	
				13:50	
			9/22	8:45	GW
				16:10	
				10:50	
				11:50	
				10:51	
			9/22	13:25	GW

Quote #:	
Mail To Contact:	awmiller@gfnet.com
Mail To Company:	
Mail To Address:	8025 Excelsior Dr Madison, WI 53717
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
	3-40mlVB
	2-40mlVB
	3-40mlVB
Profile #	

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	GP-75 72.5-76.5	9/21	12:40	GW
002	GP-75 66-70		13:05	
003	GP-75 59-63		13:30	
004	GP-75 52-56		13:50	
005	GP-80	9/22	8:45	GW
006	GP-81		16:10	
007	GP-82		10:50	
008	GP-83		11:50	
009	MP-1		10:51	
010	Trip Blank			
011	GP-84	9/22	13:25	GW

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Marcus Musser</i> Date/Time: 9/22, 13:00	Received By: _____ Date/Time: _____	PACE Project No. 40138917
	Transmit Prelim Rush Results by (complete what you want): Sunham 92316 0730	Received By: <i>Marcus Musser</i> Date/Time: 9/23/07 0730	
Email #1:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH OK / Adjusted
Email #2:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present / Not Present Intact / Not Intact
Telephone:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Fax:	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #

WO#: 40138917

Client Name: Gannett Fleming

Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #:



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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: na

Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: ROI /Corr:

Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

no

Person examining contents:
Date: 9-23-16
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Containers Intact.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [Signature]

Date: 9/23/16

October 03, 2016

The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/05/16.

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40138618

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40138618

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40138618

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138618001	GP-71	Water	09/19/16 13:15	09/21/16 07:10
40138618002	GP-72	Water	09/19/16 13:25	09/21/16 07:10
40138618003	GP-73	Water	09/19/16 15:00	09/21/16 07:10
40138618004	GP-74	Water	09/16/16 15:30	09/21/16 07:10
40138618005	GP-71 2.5-5	Solid	09/19/16 13:35	09/21/16 07:10
40138618006	GP-71 5-7.5	Solid	09/19/16 13:50	09/21/16 07:10
40138618007	GP-72 2.5-5	Solid	09/19/16 14:30	09/21/16 07:10
40138618008	GP-72 5-7.5	Solid	09/19/16 14:20	09/21/16 07:10
40138618009	GP-73 2.5-5	Solid	09/19/16 15:10	09/21/16 07:10
40138618010	GP-73 7.5-10	Solid	09/19/16 15:15	09/21/16 07:10
40138618011	GP-74 2.5-5	Solid	09/19/16 15:45	09/21/16 07:10
40138618012	GP-74 7.5-10	Solid	09/19/16 15:55	09/21/16 07:10
40138618013	TRIP BLANK	Water	09/19/16 00:00	09/21/16 07:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40138618

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138618001	GP-71	EPA 8260	KRM	69
40138618002	GP-72	EPA 8260	KRM	69
40138618003	GP-73	EPA 8260	KRM	69
40138618004	GP-74	EPA 8260	HNW	69
40138618005	GP-71 2.5-5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618006	GP-71 5-7.5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618007	GP-72 2.5-5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618008	GP-72 5-7.5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618009	GP-73 2.5-5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618010	GP-73 7.5-10	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618011	GP-74 2.5-5	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618012	GP-74 7.5-10	EPA 8260	SMT	68
		ASTM D2974-87	TEL	1
40138618013	TRIP BLANK	EPA 8260	HNW	69

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138618

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138618001	GP-71					
EPA 8260	1,1,1-Trichloroethane	2910	ug/L	100	09/30/16 13:40	
EPA 8260	1,1-Dichloroethane	3520	ug/L	100	09/30/16 13:40	
EPA 8260	1,1-Dichloroethene	54.6J	ug/L	100	09/30/16 13:40	
EPA 8260	1,2,4-Trimethylbenzene	354	ug/L	100	09/30/16 13:40	
EPA 8260	1,2-Dichloroethane	26.2J	ug/L	100	09/30/16 13:40	
EPA 8260	1,3,5-Trimethylbenzene	109	ug/L	100	09/30/16 13:40	
EPA 8260	4-Methyl-2-pentanone (MIBK)	431J	ug/L	500	09/30/16 13:40	
EPA 8260	Acetone	579J	ug/L	2000	09/30/16 13:40	
EPA 8260	Chloroethane	299	ug/L	100	09/30/16 13:40	
EPA 8260	Ethylbenzene	574	ug/L	100	09/30/16 13:40	
EPA 8260	Isopropylbenzene (Cumene)	31.3J	ug/L	100	09/30/16 13:40	
EPA 8260	Methylene Chloride	2250	ug/L	100	09/30/16 13:40	
EPA 8260	Toluene	983	ug/L	100	09/30/16 13:40	
EPA 8260	Vinyl chloride	332	ug/L	100	09/30/16 13:40	
EPA 8260	Xylene (Total)	2850	ug/L	300	09/30/16 13:40	
EPA 8260	cis-1,2-Dichloroethene	15600	ug/L	100	09/30/16 13:40	
EPA 8260	m&p-Xylene	1890	ug/L	200	09/30/16 13:40	
EPA 8260	o-Xylene	964	ug/L	100	09/30/16 13:40	
40138618002	GP-72					
EPA 8260	1,1,1-Trichloroethane	1160	ug/L	20.0	09/30/16 12:56	
EPA 8260	1,1,2-Trichloroethane	6.9J	ug/L	20.0	09/30/16 12:56	
EPA 8260	1,1-Dichloroethane	155	ug/L	20.0	09/30/16 12:56	
EPA 8260	1,1-Dichloroethene	10.8J	ug/L	20.0	09/30/16 12:56	
EPA 8260	Tetrachloroethene	2230	ug/L	20.0	09/30/16 12:56	M1
EPA 8260	Trichloroethene	751	ug/L	20.0	09/30/16 12:56	
EPA 8260	cis-1,2-Dichloroethene	1600	ug/L	20.0	09/30/16 12:56	
40138618003	GP-73					
EPA 8260	1,1,1-Trichloroethane	179	ug/L	20.0	09/30/16 13:18	
EPA 8260	1,1,2-Trichloroethane	4.8J	ug/L	20.0	09/30/16 13:18	
EPA 8260	1,1-Dichloroethane	413	ug/L	20.0	09/30/16 13:18	
EPA 8260	1,2,4-Trimethylbenzene	28.6	ug/L	20.0	09/30/16 13:18	
EPA 8260	1,2-Dichlorobenzene	21.0	ug/L	20.0	09/30/16 13:18	
EPA 8260	1,2-Dichloropropane	5.0J	ug/L	20.0	09/30/16 13:18	
EPA 8260	Chloroethane	158	ug/L	20.0	09/30/16 13:18	
EPA 8260	Ethylbenzene	245	ug/L	20.0	09/30/16 13:18	
EPA 8260	Isopropylbenzene (Cumene)	7.6J	ug/L	20.0	09/30/16 13:18	
EPA 8260	Methylene Chloride	21.5	ug/L	20.0	09/30/16 13:18	
EPA 8260	Tetrachloroethene	31.6	ug/L	20.0	09/30/16 13:18	
EPA 8260	Toluene	523	ug/L	20.0	09/30/16 13:18	
EPA 8260	Trichloroethene	7.2J	ug/L	20.0	09/30/16 13:18	
EPA 8260	Vinyl chloride	486	ug/L	20.0	09/30/16 13:18	
EPA 8260	Xylene (Total)	882	ug/L	60.0	09/30/16 13:18	
EPA 8260	cis-1,2-Dichloroethene	1530	ug/L	20.0	09/30/16 13:18	
EPA 8260	m&p-Xylene	651	ug/L	40.0	09/30/16 13:18	
EPA 8260	o-Xylene	231	ug/L	20.0	09/30/16 13:18	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138618

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138618004	GP-74					
EPA 8260	1,1,1-Trichloroethane	63.5	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,1,2-Trichloroethane	13.0J	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,1-Dichloroethane	478	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,2,4-Trimethylbenzene	86.1	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,2-Dichlorobenzene	30.5	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,2-Dichloroethane	3.5J	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,2-Dichloropropane	11.6J	ug/L	20.0	09/30/16 06:39	
EPA 8260	1,3,5-Trimethylbenzene	25.7	ug/L	20.0	09/30/16 06:39	
EPA 8260	Chloroethane	393	ug/L	20.0	09/30/16 06:39	
EPA 8260	Dichlorodifluoromethane	9.1J	ug/L	20.0	09/30/16 06:39	
EPA 8260	Ethylbenzene	901	ug/L	20.0	09/30/16 06:39	
EPA 8260	Isopropylbenzene (Cumene)	10.6J	ug/L	20.0	09/30/16 06:39	
EPA 8260	Methylene Chloride	31.4	ug/L	20.0	09/30/16 06:39	
EPA 8260	Toluene	2850	ug/L	20.0	09/30/16 06:39	
EPA 8260	Vinyl chloride	613	ug/L	20.0	09/30/16 06:39	
EPA 8260	Xylene (Total)	3970	ug/L	60.0	09/30/16 06:39	
EPA 8260	cis-1,2-Dichloroethene	1700	ug/L	20.0	09/30/16 06:39	
EPA 8260	m&p-Xylene	2930	ug/L	40.0	09/30/16 06:39	
EPA 8260	n-Propylbenzene	14.7J	ug/L	20.0	09/30/16 06:39	
EPA 8260	o-Xylene	1040	ug/L	20.0	09/30/16 06:39	
EPA 8260	trans-1,2-Dichloroethene	13.5J	ug/L	20.0	09/30/16 06:39	
40138618005	GP-71 2.5-5					
EPA 8260	1,1,1-Trichloroethane	1730	ug/kg	75.6	09/23/16 16:11	M1
EPA 8260	1,1-Dichloroethane	200	ug/kg	75.6	09/23/16 16:11	M1
EPA 8260	1,2,4-Trimethylbenzene	227	ug/kg	75.6	09/23/16 16:11	
EPA 8260	1,2-Dichlorobenzene	830	ug/kg	75.6	09/23/16 16:11	
EPA 8260	1,3,5-Trimethylbenzene	1340	ug/kg	75.6	09/23/16 16:11	
EPA 8260	1,3-Dichlorobenzene	123	ug/kg	75.6	09/23/16 16:11	
EPA 8260	1,4-Dichlorobenzene	390	ug/kg	75.6	09/23/16 16:11	
EPA 8260	2-Chlorotoluene	219	ug/kg	75.6	09/23/16 16:11	
EPA 8260	Ethylbenzene	174	ug/kg	75.6	09/23/16 16:11	
EPA 8260	Isopropylbenzene (Cumene)	38.4J	ug/kg	75.6	09/23/16 16:11	
EPA 8260	Methylene Chloride	33.0J	ug/kg	75.6	09/23/16 16:11	B
EPA 8260	Naphthalene	189J	ug/kg	315	09/23/16 16:11	
EPA 8260	Tetrachloroethene	1180	ug/kg	75.6	09/23/16 16:11	M1
EPA 8260	Toluene	105	ug/kg	75.6	09/23/16 16:11	
EPA 8260	Trichloroethene	89.6	ug/kg	75.6	09/23/16 16:11	
EPA 8260	cis-1,2-Dichloroethene	2680	ug/kg	75.6	09/23/16 16:11	M1
EPA 8260	m&p-Xylene	184	ug/kg	151	09/23/16 16:11	
EPA 8260	n-Propylbenzene	59.0J	ug/kg	75.6	09/23/16 16:11	
EPA 8260	o-Xylene	1260	ug/kg	75.6	09/23/16 16:11	M1
EPA 8260	p-Isopropyltoluene	145	ug/kg	75.6	09/23/16 16:11	
EPA 8260	sec-Butylbenzene	57.1J	ug/kg	75.6	09/23/16 16:11	
ASTM D2974-87	Percent Moisture	20.6	%	0.10	09/27/16 15:16	
40138618006	GP-71 5-7.5					
EPA 8260	Methylene Chloride	28.0J	ug/kg	65.1	09/23/16 16:34	B

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138618

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138618006	GP-71 5-7.5					
EPA 8260	cis-1,2-Dichloroethene	42.5J	ug/kg	65.1	09/23/16 16:34	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	09/27/16 15:16	
40138618007	GP-72 2.5-5					
EPA 8260	1,1,1-Trichloroethane	64400	ug/kg	1250	09/23/16 22:13	
EPA 8260	1,1,2-Trichloroethane	2430	ug/kg	1250	09/23/16 22:13	
EPA 8260	1,1-Dichloroethane	1440	ug/kg	1250	09/23/16 22:13	
EPA 8260	1,2,4-Trimethylbenzene	552J	ug/kg	1250	09/23/16 22:13	
EPA 8260	Ethylbenzene	1040J	ug/kg	1250	09/23/16 22:13	
EPA 8260	Methylene Chloride	566J	ug/kg	1250	09/23/16 22:13	B
EPA 8260	Tetrachloroethene	88100	ug/kg	1250	09/23/16 22:13	
EPA 8260	Toluene	1240J	ug/kg	1250	09/23/16 22:13	
EPA 8260	Trichloroethene	11700	ug/kg	1250	09/23/16 22:13	
EPA 8260	cis-1,2-Dichloroethene	10600	ug/kg	1250	09/23/16 22:13	
EPA 8260	m&p-Xylene	2050J	ug/kg	2500	09/23/16 22:13	
EPA 8260	o-Xylene	2370	ug/kg	1250	09/23/16 22:13	
ASTM D2974-87	Percent Moisture	4.0	%	0.10	09/27/16 15:16	
40138618008	GP-72 5-7.5					
EPA 8260	1,1,1-Trichloroethane	23300	ug/kg	534	09/23/16 22:35	
EPA 8260	1,1,2-Trichloroethane	1290	ug/kg	534	09/23/16 22:35	
EPA 8260	1,1-Dichloroethane	414J	ug/kg	534	09/23/16 22:35	
EPA 8260	1,2,4-Trimethylbenzene	422J	ug/kg	534	09/23/16 22:35	
EPA 8260	1,2-Dichlorobenzene	370J	ug/kg	534	09/23/16 22:35	
EPA 8260	1,3,5-Trimethylbenzene	381J	ug/kg	534	09/23/16 22:35	
EPA 8260	Ethylbenzene	791	ug/kg	534	09/23/16 22:35	
EPA 8260	Tetrachloroethene	35900	ug/kg	534	09/23/16 22:35	
EPA 8260	Toluene	871	ug/kg	534	09/23/16 22:35	
EPA 8260	Trichloroethene	4880	ug/kg	534	09/23/16 22:35	
EPA 8260	cis-1,2-Dichloroethene	3470	ug/kg	534	09/23/16 22:35	
EPA 8260	m&p-Xylene	1810	ug/kg	1070	09/23/16 22:35	
EPA 8260	o-Xylene	1520	ug/kg	534	09/23/16 22:35	
EPA 8260	p-Isopropyltoluene	233J	ug/kg	534	09/23/16 22:35	
ASTM D2974-87	Percent Moisture	10.1	%	0.10	09/27/16 15:16	
40138618009	GP-73 2.5-5					
EPA 8260	1,1,1-Trichloroethane	185000	ug/kg	1750	09/26/16 09:04	
EPA 8260	1,1-Dichloroethane	3630	ug/kg	1750	09/26/16 09:04	
EPA 8260	1,2,4-Trimethylbenzene	3630	ug/kg	1750	09/26/16 09:04	
EPA 8260	1,3,5-Trimethylbenzene	2840	ug/kg	1750	09/26/16 09:04	
EPA 8260	Ethylbenzene	18900	ug/kg	1750	09/26/16 09:04	
EPA 8260	Methylene Chloride	1220J	ug/kg	1750	09/26/16 09:04	B
EPA 8260	Naphthalene	1610J	ug/kg	7310	09/26/16 09:04	
EPA 8260	Tetrachloroethene	13700	ug/kg	1750	09/26/16 09:04	
EPA 8260	Toluene	146000	ug/kg	1750	09/26/16 09:04	
EPA 8260	Trichloroethene	2570	ug/kg	1750	09/26/16 09:04	
EPA 8260	cis-1,2-Dichloroethene	103000	ug/kg	1750	09/26/16 09:04	
EPA 8260	m&p-Xylene	93200	ug/kg	3510	09/26/16 09:04	
EPA 8260	o-Xylene	42600	ug/kg	1750	09/26/16 09:04	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138618

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138618009	GP-73 2.5-5					
ASTM D2974-87	Percent Moisture	31.6	%	0.10	09/27/16 15:16	
40138618010	GP-73 7.5-10					
EPA 8260	1,1,1-Trichloroethane	33.4J	ug/kg	74.5	09/23/16 16:57	
EPA 8260	Methylene Chloride	31.5J	ug/kg	74.5	09/23/16 16:57	B
EPA 8260	cis-1,2-Dichloroethene	61.2J	ug/kg	74.5	09/23/16 16:57	
ASTM D2974-87	Percent Moisture	19.4	%	0.10	09/27/16 15:16	
40138618011	GP-74 2.5-5					
EPA 8260	1,1,1-Trichloroethane	70.6J	ug/kg	74.5	09/23/16 17:19	
EPA 8260	1,2-Dichlorobenzene	459	ug/kg	74.5	09/23/16 17:19	
EPA 8260	1,3-Dichlorobenzene	195	ug/kg	74.5	09/23/16 17:19	
EPA 8260	1,4-Dichlorobenzene	146	ug/kg	74.5	09/23/16 17:19	
EPA 8260	Tetrachloroethene	142	ug/kg	74.5	09/23/16 17:19	
EPA 8260	cis-1,2-Dichloroethene	40.0J	ug/kg	74.5	09/23/16 17:19	
ASTM D2974-87	Percent Moisture	19.5	%	0.10	09/27/16 16:33	
40138618012	GP-74 7.5-10					
EPA 8260	1,1-Dichloroethane	38.7J	ug/kg	67.5	09/23/16 17:42	
EPA 8260	Methylene Chloride	31.2J	ug/kg	67.5	09/23/16 17:42	B
EPA 8260	cis-1,2-Dichloroethene	145	ug/kg	67.5	09/23/16 17:42	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	09/27/16 16:33	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 **Lab ID: 40138618001** Collected: 09/19/16 13:15 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		09/30/16 13:40	630-20-6	
1,1,1-Trichloroethane	2910	ug/L	100	50.0	100		09/30/16 13:40	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		09/30/16 13:40	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/L	100	19.7	100		09/30/16 13:40	79-00-5	
1,1-Dichloroethane	3520	ug/L	100	24.2	100		09/30/16 13:40	75-34-3	
1,1-Dichloroethene	54.6J	ug/L	100	41.0	100		09/30/16 13:40	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		09/30/16 13:40	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		09/30/16 13:40	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		09/30/16 13:40	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		09/30/16 13:40	120-82-1	
1,2,4-Trimethylbenzene	354	ug/L	100	50.0	100		09/30/16 13:40	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		09/30/16 13:40	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		09/30/16 13:40	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	95-50-1	
1,2-Dichloroethane	26.2J	ug/L	100	16.8	100		09/30/16 13:40	107-06-2	
1,2-Dichloropropane	<23.3	ug/L	100	23.3	100		09/30/16 13:40	78-87-5	
1,3,5-Trimethylbenzene	109	ug/L	100	50.0	100		09/30/16 13:40	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		09/30/16 13:40	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		09/30/16 13:40	594-20-7	
2-Butanone (MEK)	<298	ug/L	2000	298	100		09/30/16 13:40	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	95-49-8	
2-Propanol	<2430	ug/L	25000	2430	100		09/30/16 13:40	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		09/30/16 13:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	431J	ug/L	500	214	100		09/30/16 13:40	108-10-1	
Acetone	579J	ug/L	2000	295	100		09/30/16 13:40	67-64-1	
Benzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		09/30/16 13:40	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		09/30/16 13:40	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		09/30/16 13:40	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		09/30/16 13:40	75-25-2	
Bromomethane	<243	ug/L	500	243	100		09/30/16 13:40	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		09/30/16 13:40	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	108-90-7	
Chloroethane	299	ug/L	100	37.5	100		09/30/16 13:40	75-00-3	
Chloroform	<250	ug/L	500	250	100		09/30/16 13:40	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		09/30/16 13:40	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		09/30/16 13:40	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		09/30/16 13:40	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		09/30/16 13:40	75-71-8	
Diisopropyl ether	<50.0	ug/L	100	50.0	100		09/30/16 13:40	108-20-3	
Ethylbenzene	574	ug/L	100	50.0	100		09/30/16 13:40	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		09/30/16 13:40	87-68-3	
Isopropylbenzene (Cumene)	31.3J	ug/L	100	14.3	100		09/30/16 13:40	98-82-8	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		09/30/16 13:40	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 **Lab ID: 40138618001** Collected: 09/19/16 13:15 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	2250	ug/L	100	23.3	100		09/30/16 13:40	75-09-2	
Naphthalene	<250	ug/L	500	250	100		09/30/16 13:40	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	100-42-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	127-18-4	
Toluene	983	ug/L	100	50.0	100		09/30/16 13:40	108-88-3	
Trichloroethene	<33.1	ug/L	100	33.1	100		09/30/16 13:40	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		09/30/16 13:40	75-69-4	
Vinyl chloride	332	ug/L	100	17.6	100		09/30/16 13:40	75-01-4	
Xylene (Total)	2850	ug/L	300	150	100		09/30/16 13:40	1330-20-7	
cis-1,2-Dichloroethene	15600	ug/L	100	25.6	100		09/30/16 13:40	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	10061-01-5	
m&p-Xylene	1890	ug/L	200	100	100		09/30/16 13:40	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	103-65-1	
o-Xylene	964	ug/L	100	50.0	100		09/30/16 13:40	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		09/30/16 13:40	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		09/30/16 13:40	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		09/30/16 13:40	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		09/30/16 13:40	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		09/30/16 13:40	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		100		09/30/16 13:40	1868-53-7	
Toluene-d8 (S)	83	%	70-130		100		09/30/16 13:40	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		100		09/30/16 13:40	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 **Lab ID: 40138618002** Collected: 09/19/16 13:25 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		09/30/16 12:56	630-20-6	
1,1,1-Trichloroethane	1160	ug/L	20.0	10.0	20		09/30/16 12:56	71-55-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		09/30/16 12:56	79-34-5	
1,1,2-Trichloroethane	6.9J	ug/L	20.0	3.9	20		09/30/16 12:56	79-00-5	
1,1-Dichloroethane	155	ug/L	20.0	4.8	20		09/30/16 12:56	75-34-3	
1,1-Dichloroethene	10.8J	ug/L	20.0	8.2	20		09/30/16 12:56	75-35-4	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		09/30/16 12:56	563-58-6	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		09/30/16 12:56	87-61-6	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	96-18-4	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		09/30/16 12:56	120-82-1	
1,2,4-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	95-63-6	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		09/30/16 12:56	96-12-8	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		09/30/16 12:56	106-93-4	
1,2-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	95-50-1	
1,2-Dichloroethane	<3.4	ug/L	20.0	3.4	20		09/30/16 12:56	107-06-2	
1,2-Dichloropropane	<4.7	ug/L	20.0	4.7	20		09/30/16 12:56	78-87-5	
1,3,5-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	108-67-8	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	541-73-1	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	142-28-9	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	106-46-7	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		09/30/16 12:56	594-20-7	
2-Butanone (MEK)	<59.6	ug/L	400	59.6	20		09/30/16 12:56	78-93-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	95-49-8	
2-Propanol	<487	ug/L	5000	487	20		09/30/16 12:56	67-63-0	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		09/30/16 12:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	<42.8	ug/L	100	42.8	20		09/30/16 12:56	108-10-1	
Acetone	<59.1	ug/L	400	59.1	20		09/30/16 12:56	67-64-1	
Benzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		09/30/16 12:56	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		09/30/16 12:56	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		09/30/16 12:56	74-83-9	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	108-90-7	
Chloroethane	<7.5	ug/L	20.0	7.5	20		09/30/16 12:56	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		09/30/16 12:56	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	74-87-3	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	124-48-1	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		09/30/16 12:56	74-95-3	
Dichlorodifluoromethane	<4.5	ug/L	20.0	4.5	20		09/30/16 12:56	75-71-8	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	108-20-3	
Ethylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		09/30/16 12:56	87-68-3	
Isopropylbenzene (Cumene)	<2.9	ug/L	20.0	2.9	20		09/30/16 12:56	98-82-8	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		09/30/16 12:56	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 **Lab ID: 40138618002** Collected: 09/19/16 13:25 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<4.7	ug/L	20.0	4.7	20		09/30/16 12:56	75-09-2	
Naphthalene	<50.0	ug/L	100	50.0	20		09/30/16 12:56	91-20-3	
Styrene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	100-42-5	
Tetrachloroethene	2230	ug/L	20.0	10.0	20		09/30/16 12:56	127-18-4	M1
Toluene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	108-88-3	
Trichloroethene	751	ug/L	20.0	6.6	20		09/30/16 12:56	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		09/30/16 12:56	75-69-4	
Vinyl chloride	<3.5	ug/L	20.0	3.5	20		09/30/16 12:56	75-01-4	
Xylene (Total)	<30.0	ug/L	60.0	30.0	20		09/30/16 12:56	1330-20-7	
cis-1,2-Dichloroethene	1600	ug/L	20.0	5.1	20		09/30/16 12:56	156-59-2	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	10061-01-5	
m&p-Xylene	<20.0	ug/L	40.0	20.0	20		09/30/16 12:56	179601-23-1	
n-Butylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	104-51-8	
n-Propylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	103-65-1	
o-Xylene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	95-47-6	
p-Isopropyltoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 12:56	99-87-6	
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		09/30/16 12:56	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		09/30/16 12:56	98-06-6	
trans-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		09/30/16 12:56	156-60-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		09/30/16 12:56	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		20		09/30/16 12:56	1868-53-7	
Toluene-d8 (S)	86	%	70-130		20		09/30/16 12:56	2037-26-5	
4-Bromofluorobenzene (S)	81	%	70-130		20		09/30/16 12:56	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 **Lab ID: 40138618003** Collected: 09/19/16 15:00 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		09/30/16 13:18	630-20-6	
1,1,1-Trichloroethane	179	ug/L	20.0	10.0	20		09/30/16 13:18	71-55-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		09/30/16 13:18	79-34-5	
1,1,2-Trichloroethane	4.8J	ug/L	20.0	3.9	20		09/30/16 13:18	79-00-5	
1,1-Dichloroethane	413	ug/L	20.0	4.8	20		09/30/16 13:18	75-34-3	
1,1-Dichloroethene	<8.2	ug/L	20.0	8.2	20		09/30/16 13:18	75-35-4	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		09/30/16 13:18	563-58-6	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		09/30/16 13:18	87-61-6	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	96-18-4	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		09/30/16 13:18	120-82-1	
1,2,4-Trimethylbenzene	28.6	ug/L	20.0	10.0	20		09/30/16 13:18	95-63-6	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		09/30/16 13:18	96-12-8	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		09/30/16 13:18	106-93-4	
1,2-Dichlorobenzene	21.0	ug/L	20.0	10.0	20		09/30/16 13:18	95-50-1	
1,2-Dichloroethane	<3.4	ug/L	20.0	3.4	20		09/30/16 13:18	107-06-2	
1,2-Dichloropropane	5.0J	ug/L	20.0	4.7	20		09/30/16 13:18	78-87-5	
1,3,5-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	108-67-8	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	541-73-1	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	142-28-9	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	106-46-7	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		09/30/16 13:18	594-20-7	
2-Butanone (MEK)	<59.6	ug/L	400	59.6	20		09/30/16 13:18	78-93-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	95-49-8	
2-Propanol	<487	ug/L	5000	487	20		09/30/16 13:18	67-63-0	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		09/30/16 13:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	<42.8	ug/L	100	42.8	20		09/30/16 13:18	108-10-1	
Acetone	<59.1	ug/L	400	59.1	20		09/30/16 13:18	67-64-1	
Benzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		09/30/16 13:18	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		09/30/16 13:18	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		09/30/16 13:18	74-83-9	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	108-90-7	
Chloroethane	158	ug/L	20.0	7.5	20		09/30/16 13:18	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		09/30/16 13:18	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	74-87-3	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	124-48-1	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		09/30/16 13:18	74-95-3	
Dichlorodifluoromethane	<4.5	ug/L	20.0	4.5	20		09/30/16 13:18	75-71-8	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	108-20-3	
Ethylbenzene	245	ug/L	20.0	10.0	20		09/30/16 13:18	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		09/30/16 13:18	87-68-3	
Isopropylbenzene (Cumene)	7.6J	ug/L	20.0	2.9	20		09/30/16 13:18	98-82-8	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		09/30/16 13:18	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 **Lab ID: 40138618003** Collected: 09/19/16 15:00 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	21.5	ug/L	20.0	4.7	20		09/30/16 13:18	75-09-2	
Naphthalene	<50.0	ug/L	100	50.0	20		09/30/16 13:18	91-20-3	
Styrene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	100-42-5	
Tetrachloroethene	31.6	ug/L	20.0	10.0	20		09/30/16 13:18	127-18-4	
Toluene	523	ug/L	20.0	10.0	20		09/30/16 13:18	108-88-3	
Trichloroethene	7.2J	ug/L	20.0	6.6	20		09/30/16 13:18	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		09/30/16 13:18	75-69-4	
Vinyl chloride	486	ug/L	20.0	3.5	20		09/30/16 13:18	75-01-4	
Xylene (Total)	882	ug/L	60.0	30.0	20		09/30/16 13:18	1330-20-7	
cis-1,2-Dichloroethene	1530	ug/L	20.0	5.1	20		09/30/16 13:18	156-59-2	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	10061-01-5	
m&p-Xylene	651	ug/L	40.0	20.0	20		09/30/16 13:18	179601-23-1	
n-Butylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	104-51-8	
n-Propylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	103-65-1	
o-Xylene	231	ug/L	20.0	10.0	20		09/30/16 13:18	95-47-6	
p-Isopropyltoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 13:18	99-87-6	
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		09/30/16 13:18	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		09/30/16 13:18	98-06-6	
trans-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		09/30/16 13:18	156-60-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		09/30/16 13:18	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		20		09/30/16 13:18	1868-53-7	
Toluene-d8 (S)	85	%	70-130		20		09/30/16 13:18	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		20		09/30/16 13:18	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40138618

Sample: GP-74 Lab ID: 40138618004 Collected: 09/16/16 15:30 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		09/30/16 06:39	630-20-6	
1,1,1-Trichloroethane	63.5	ug/L	20.0	10.0	20		09/30/16 06:39	71-55-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		09/30/16 06:39	79-34-5	
1,1,2-Trichloroethane	13.0J	ug/L	20.0	3.9	20		09/30/16 06:39	79-00-5	
1,1-Dichloroethane	478	ug/L	20.0	4.8	20		09/30/16 06:39	75-34-3	
1,1-Dichloroethene	<8.2	ug/L	20.0	8.2	20		09/30/16 06:39	75-35-4	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		09/30/16 06:39	563-58-6	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		09/30/16 06:39	87-61-6	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	96-18-4	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		09/30/16 06:39	120-82-1	
1,2,4-Trimethylbenzene	86.1	ug/L	20.0	10.0	20		09/30/16 06:39	95-63-6	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		09/30/16 06:39	96-12-8	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		09/30/16 06:39	106-93-4	
1,2-Dichlorobenzene	30.5	ug/L	20.0	10.0	20		09/30/16 06:39	95-50-1	
1,2-Dichloroethane	3.5J	ug/L	20.0	3.4	20		09/30/16 06:39	107-06-2	
1,2-Dichloropropane	11.6J	ug/L	20.0	4.7	20		09/30/16 06:39	78-87-5	
1,3,5-Trimethylbenzene	25.7	ug/L	20.0	10.0	20		09/30/16 06:39	108-67-8	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	541-73-1	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	142-28-9	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	106-46-7	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		09/30/16 06:39	594-20-7	
2-Butanone (MEK)	<59.6	ug/L	400	59.6	20		09/30/16 06:39	78-93-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	95-49-8	
2-Propanol	<487	ug/L	5000	487	20		09/30/16 06:39	67-63-0	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		09/30/16 06:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	<42.8	ug/L	100	42.8	20		09/30/16 06:39	108-10-1	
Acetone	<59.1	ug/L	400	59.1	20		09/30/16 06:39	67-64-1	
Benzene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		09/30/16 06:39	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		09/30/16 06:39	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		09/30/16 06:39	74-83-9	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	108-90-7	
Chloroethane	393	ug/L	20.0	7.5	20		09/30/16 06:39	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		09/30/16 06:39	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	74-87-3	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	124-48-1	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		09/30/16 06:39	74-95-3	
Dichlorodifluoromethane	9.1J	ug/L	20.0	4.5	20		09/30/16 06:39	75-71-8	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	108-20-3	
Ethylbenzene	901	ug/L	20.0	10.0	20		09/30/16 06:39	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		09/30/16 06:39	87-68-3	
Isopropylbenzene (Cumene)	10.6J	ug/L	20.0	2.9	20		09/30/16 06:39	98-82-8	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		09/30/16 06:39	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-74 **Lab ID: 40138618004** Collected: 09/16/16 15:30 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	31.4	ug/L	20.0	4.7	20		09/30/16 06:39	75-09-2	
Naphthalene	<50.0	ug/L	100	50.0	20		09/30/16 06:39	91-20-3	
Styrene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	100-42-5	
Tetrachloroethene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	127-18-4	
Toluene	2850	ug/L	20.0	10.0	20		09/30/16 06:39	108-88-3	
Trichloroethene	<6.6	ug/L	20.0	6.6	20		09/30/16 06:39	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		09/30/16 06:39	75-69-4	
Vinyl chloride	613	ug/L	20.0	3.5	20		09/30/16 06:39	75-01-4	
Xylene (Total)	3970	ug/L	60.0	30.0	20		09/30/16 06:39	1330-20-7	
cis-1,2-Dichloroethene	1700	ug/L	20.0	5.1	20		09/30/16 06:39	156-59-2	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	10061-01-5	
m&p-Xylene	2930	ug/L	40.0	20.0	20		09/30/16 06:39	179601-23-1	
n-Butylbenzene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	104-51-8	
n-Propylbenzene	14.7J	ug/L	20.0	10.0	20		09/30/16 06:39	103-65-1	
o-Xylene	1040	ug/L	20.0	10.0	20		09/30/16 06:39	95-47-6	
p-Isopropyltoluene	<10.0	ug/L	20.0	10.0	20		09/30/16 06:39	99-87-6	
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		09/30/16 06:39	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		09/30/16 06:39	98-06-6	
trans-1,2-Dichloroethene	13.5J	ug/L	20.0	5.1	20		09/30/16 06:39	156-60-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		09/30/16 06:39	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	129	%	70-130		20		09/30/16 06:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		09/30/16 06:39	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		20		09/30/16 06:39	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 2.5-5 Lab ID: 40138618005 Collected: 09/19/16 13:35 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	630-20-6	W
1,1,1-Trichloroethane	1730	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	71-55-6	M1
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	79-00-5	W
1,1-Dichloroethane	200	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	75-34-3	M1
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/22/16 13:00	09/23/16 16:11	120-82-1	W
1,2,4-Trimethylbenzene	227	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	95-63-6	
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/22/16 13:00	09/23/16 16:11	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	106-93-4	W
1,2-Dichlorobenzene	830	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	95-50-1	
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	78-87-5	W
1,3,5-Trimethylbenzene	1340	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	108-67-8	
1,3-Dichlorobenzene	123	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	541-73-1	
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	142-28-9	W
1,4-Dichlorobenzene	390	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	106-46-7	
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/22/16 13:00	09/23/16 16:11	78-93-3	W
2-Chlorotoluene	219	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	95-49-8	
2-Propanol	<767	ug/kg	12500	767	1	09/22/16 13:00	09/23/16 16:11	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/22/16 13:00	09/23/16 16:11	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/22/16 13:00	09/23/16 16:11	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/22/16 13:00	09/23/16 16:11	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/22/16 13:00	09/23/16 16:11	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/22/16 13:00	09/23/16 16:11	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	108-20-3	W
Ethylbenzene	174	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	87-68-3	W
Isopropylbenzene (Cumene)	38.4J	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 2.5-5 **Lab ID: 40138618005** Collected: 09/19/16 13:35 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	1634-04-4	W
Methylene Chloride	33.0J	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	75-09-2	B
Naphthalene	189J	ug/kg	315	50.4	1	09/22/16 13:00	09/23/16 16:11	91-20-3	
Styrene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	100-42-5	W
Tetrachloroethene	1180	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	127-18-4	M1
Toluene	105	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	108-88-3	
Trichloroethene	89.6	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	75-01-4	W
cis-1,2-Dichloroethene	2680	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	156-59-2	M1
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	10061-01-5	W
m&p-Xylene	184	ug/kg	151	63.0	1	09/22/16 13:00	09/23/16 16:11	179601-23-1	
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	104-51-8	W
n-Propylbenzene	59.0J	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	103-65-1	
o-Xylene	1260	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	95-47-6	M1
p-Isopropyltoluene	145	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	99-87-6	
sec-Butylbenzene	57.1J	ug/kg	75.6	31.5	1	09/22/16 13:00	09/23/16 16:11	135-98-8	
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:11	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	120	%	53-165		1	09/22/16 13:00	09/23/16 16:11	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	09/22/16 13:00	09/23/16 16:11	2037-26-5	
4-Bromofluorobenzene (S)	103	%	48-138		1	09/22/16 13:00	09/23/16 16:11	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	20.6	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 5-7.5 **Lab ID: 40138618006** Collected: 09/19/16 13:50 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/22/16 13:00	09/23/16 16:34	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/22/16 13:00	09/23/16 16:34	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/22/16 13:00	09/23/16 16:34	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/22/16 13:00	09/23/16 16:34	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/22/16 13:00	09/23/16 16:34	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/22/16 13:00	09/23/16 16:34	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/22/16 13:00	09/23/16 16:34	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/22/16 13:00	09/23/16 16:34	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/22/16 13:00	09/23/16 16:34	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-71 5-7.5 **Lab ID: 40138618006** Collected: 09/19/16 13:50 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	1634-04-4	W
Methylene Chloride	28.0J	ug/kg	65.1	27.1	1	09/22/16 13:00	09/23/16 16:34	75-09-2	B
Naphthalene	<40.0	ug/kg	250	40.0	1	09/22/16 13:00	09/23/16 16:34	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	75-01-4	W
cis-1,2-Dichloroethene	42.5J	ug/kg	65.1	27.1	1	09/22/16 13:00	09/23/16 16:34	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/22/16 13:00	09/23/16 16:34	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:34	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	53-165		1	09/22/16 13:00	09/23/16 16:34	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	09/22/16 13:00	09/23/16 16:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	09/22/16 13:00	09/23/16 16:34	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	7.8	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 2.5-5 Lab ID: 40138618007 Collected: 09/19/16 14:30 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	630-20-6	W
1,1,1-Trichloroethane	64400	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	71-55-6	
1,1,2,2-Tetrachloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	79-34-5	W
1,1,2-Trichloroethane	2430	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	79-00-5	
1,1-Dichloroethane	1440	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	75-34-3	
1,1-Dichloroethene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-35-4	W
1,1-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	563-58-6	W
1,2,3-Trichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	87-61-6	W
1,2,3-Trichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	96-18-4	W
1,2,4-Trichlorobenzene	<951	ug/kg	5000	951	20	09/22/16 13:00	09/23/16 22:13	120-82-1	W
1,2,4-Trimethylbenzene	552J	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	95-63-6	
1,2-Dibromo-3-chloropropane	<1820	ug/kg	5000	1820	20	09/22/16 13:00	09/23/16 22:13	96-12-8	W
1,2-Dibromoethane (EDB)	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	106-93-4	W
1,2-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	95-50-1	W
1,2-Dichloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	107-06-2	W
1,2-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	78-87-5	W
1,3,5-Trimethylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	108-67-8	W
1,3-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	541-73-1	W
1,3-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	142-28-9	W
1,4-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	106-46-7	W
2,2-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	594-20-7	W
2-Butanone (MEK)	<2130	ug/kg	5000	2130	20	09/22/16 13:00	09/23/16 22:13	78-93-3	W
2-Chlorotoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	95-49-8	W
2-Propanol	<15300	ug/kg	250000	15300	20	09/22/16 13:00	09/23/16 22:13	67-63-0	W
4-Chlorotoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<822	ug/kg	5000	822	20	09/22/16 13:00	09/23/16 22:13	108-10-1	W
Acetone	<1560	ug/kg	5000	1560	20	09/22/16 13:00	09/23/16 22:13	67-64-1	W
Benzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	71-43-2	W
Bromobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	108-86-1	W
Bromochloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	74-97-5	W
Bromodichloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-27-4	W
Bromoform	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-25-2	W
Bromomethane	<1400	ug/kg	5000	1400	20	09/22/16 13:00	09/23/16 22:13	74-83-9	W
Carbon tetrachloride	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	56-23-5	W
Chlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	108-90-7	W
Chloroethane	<1340	ug/kg	5000	1340	20	09/22/16 13:00	09/23/16 22:13	75-00-3	W
Chloroform	<929	ug/kg	5000	929	20	09/22/16 13:00	09/23/16 22:13	67-66-3	W
Chloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	74-87-3	W
Dibromochloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	124-48-1	W
Dibromomethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	74-95-3	W
Dichlorodifluoromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-71-8	W
Diisopropyl ether	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	108-20-3	W
Ethylbenzene	1040J	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	100-41-4	
Hexachloro-1,3-butadiene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	87-68-3	W
Isopropylbenzene (Cumene)	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 2.5-5 **Lab ID: 40138618007** Collected: 09/19/16 14:30 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	1634-04-4	W
Methylene Chloride	566J	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	75-09-2	B
Naphthalene	<801	ug/kg	5000	801	20	09/22/16 13:00	09/23/16 22:13	91-20-3	W
Styrene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	100-42-5	W
Tetrachloroethene	88100	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	127-18-4	
Toluene	1240J	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	108-88-3	
Trichloroethene	11700	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	79-01-6	
Trichlorofluoromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-69-4	W
Vinyl chloride	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	75-01-4	W
cis-1,2-Dichloroethene	10600	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	156-59-2	
cis-1,3-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	10061-01-5	W
m&p-Xylene	2050J	ug/kg	2500	1040	20	09/22/16 13:00	09/23/16 22:13	179601-23-1	
n-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	104-51-8	W
n-Propylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	103-65-1	W
o-Xylene	2370	ug/kg	1250	521	20	09/22/16 13:00	09/23/16 22:13	95-47-6	
p-Isopropyltoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	99-87-6	W
sec-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	135-98-8	W
tert-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	98-06-6	W
trans-1,2-Dichloroethene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	156-60-5	W
trans-1,3-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/23/16 22:13	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	53-165		20	09/22/16 13:00	09/23/16 22:13	1868-53-7	S4
Toluene-d8 (S)	0	%	54-163		20	09/22/16 13:00	09/23/16 22:13	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-138		20	09/22/16 13:00	09/23/16 22:13	460-00-4	S4
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.0	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 5-7.5 Lab ID: 40138618008 Collected: 09/19/16 14:20 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	630-20-6	W
1,1,1-Trichloroethane	23300	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	71-55-6	
1,1,2,2-Tetrachloroethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	79-34-5	W
1,1,2-Trichloroethane	1290	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	79-00-5	
1,1-Dichloroethane	414J	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	75-34-3	
1,1-Dichloroethene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-35-4	W
1,1-Dichloropropene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	563-58-6	W
1,2,3-Trichlorobenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	87-61-6	W
1,2,3-Trichloropropane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	96-18-4	W
1,2,4-Trichlorobenzene	<380	ug/kg	2000	380	8	09/22/16 13:00	09/23/16 22:35	120-82-1	W
1,2,4-Trimethylbenzene	422J	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	95-63-6	
1,2-Dibromo-3-chloropropane	<730	ug/kg	2000	730	8	09/22/16 13:00	09/23/16 22:35	96-12-8	W
1,2-Dibromoethane (EDB)	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	106-93-4	W
1,2-Dichlorobenzene	370J	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	95-50-1	
1,2-Dichloroethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	107-06-2	W
1,2-Dichloropropane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	78-87-5	W
1,3,5-Trimethylbenzene	381J	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	108-67-8	
1,3-Dichlorobenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	541-73-1	W
1,3-Dichloropropane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	142-28-9	W
1,4-Dichlorobenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	106-46-7	W
2,2-Dichloropropane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	594-20-7	W
2-Butanone (MEK)	<853	ug/kg	2000	853	8	09/22/16 13:00	09/23/16 22:35	78-93-3	W
2-Chlorotoluene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	95-49-8	W
2-Propanol	<6140	ug/kg	100000	6140	8	09/22/16 13:00	09/23/16 22:35	67-63-0	W
4-Chlorotoluene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<329	ug/kg	2000	329	8	09/22/16 13:00	09/23/16 22:35	108-10-1	W
Acetone	<622	ug/kg	2000	622	8	09/22/16 13:00	09/23/16 22:35	67-64-1	W
Benzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	71-43-2	W
Bromobenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	108-86-1	W
Bromochloromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	74-97-5	W
Bromodichloromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-27-4	W
Bromoform	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-25-2	W
Bromomethane	<559	ug/kg	2000	559	8	09/22/16 13:00	09/23/16 22:35	74-83-9	W
Carbon tetrachloride	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	56-23-5	W
Chlorobenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	108-90-7	W
Chloroethane	<536	ug/kg	2000	536	8	09/22/16 13:00	09/23/16 22:35	75-00-3	W
Chloroform	<372	ug/kg	2000	372	8	09/22/16 13:00	09/23/16 22:35	67-66-3	W
Chloromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	74-87-3	W
Dibromochloromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	124-48-1	W
Dibromomethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	74-95-3	W
Dichlorodifluoromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-71-8	W
Diisopropyl ether	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	108-20-3	W
Ethylbenzene	791	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	100-41-4	
Hexachloro-1,3-butadiene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	87-68-3	W
Isopropylbenzene (Cumene)	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-72 5-7.5 **Lab ID:** 40138618008 Collected: 09/19/16 14:20 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	1634-04-4	W
Methylene Chloride	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-09-2	W
Naphthalene	<320	ug/kg	2000	320	8	09/22/16 13:00	09/23/16 22:35	91-20-3	W
Styrene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	100-42-5	W
Tetrachloroethene	35900	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	127-18-4	
Toluene	871	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	108-88-3	
Trichloroethene	4880	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	79-01-6	
Trichlorofluoromethane	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-69-4	W
Vinyl chloride	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	75-01-4	W
cis-1,2-Dichloroethene	3470	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	156-59-2	
cis-1,3-Dichloropropene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	10061-01-5	W
m&p-Xylene	1810	ug/kg	1070	445	8	09/22/16 13:00	09/23/16 22:35	179601-23-1	
n-Butylbenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	104-51-8	W
n-Propylbenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	103-65-1	W
o-Xylene	1520	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	95-47-6	
p-Isopropyltoluene	233J	ug/kg	534	222	8	09/22/16 13:00	09/23/16 22:35	99-87-6	
sec-Butylbenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	135-98-8	W
tert-Butylbenzene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	98-06-6	W
trans-1,2-Dichloroethene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	156-60-5	W
trans-1,3-Dichloropropene	<200	ug/kg	480	200	8	09/22/16 13:00	09/23/16 22:35	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	53-165		8	09/22/16 13:00	09/23/16 22:35	1868-53-7	
Toluene-d8 (S)	98	%	54-163		8	09/22/16 13:00	09/23/16 22:35	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		8	09/22/16 13:00	09/23/16 22:35	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.1	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 2.5-5 Lab ID: 40138618009 Collected: 09/19/16 15:10 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	630-20-6	W
1,1,1-Trichloroethane	185000	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	71-55-6	
1,1,2,2-Tetrachloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	79-34-5	W
1,1,2-Trichloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	79-00-5	W
1,1-Dichloroethane	3630	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	75-34-3	
1,1-Dichloroethene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-35-4	W
1,1-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	563-58-6	W
1,2,3-Trichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	87-61-6	W
1,2,3-Trichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	96-18-4	W
1,2,4-Trichlorobenzene	<951	ug/kg	5000	951	20	09/22/16 13:00	09/26/16 09:04	120-82-1	W
1,2,4-Trimethylbenzene	3630	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	95-63-6	
1,2-Dibromo-3-chloropropane	<1820	ug/kg	5000	1820	20	09/22/16 13:00	09/26/16 09:04	96-12-8	W
1,2-Dibromoethane (EDB)	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	106-93-4	W
1,2-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	95-50-1	W
1,2-Dichloroethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	107-06-2	W
1,2-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	78-87-5	W
1,3,5-Trimethylbenzene	2840	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	108-67-8	
1,3-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	541-73-1	W
1,3-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	142-28-9	W
1,4-Dichlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	106-46-7	W
2,2-Dichloropropane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	594-20-7	W
2-Butanone (MEK)	<2130	ug/kg	5000	2130	20	09/22/16 13:00	09/26/16 09:04	78-93-3	W
2-Chlorotoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	95-49-8	W
2-Propanol	<15300	ug/kg	250000	15300	20	09/22/16 13:00	09/26/16 09:04	67-63-0	W
4-Chlorotoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<822	ug/kg	5000	822	20	09/22/16 13:00	09/26/16 09:04	108-10-1	W
Acetone	<1560	ug/kg	5000	1560	20	09/22/16 13:00	09/26/16 09:04	67-64-1	W
Benzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	71-43-2	W
Bromobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	108-86-1	W
Bromochloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	74-97-5	W
Bromodichloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-27-4	W
Bromoform	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-25-2	W
Bromomethane	<1400	ug/kg	5000	1400	20	09/22/16 13:00	09/26/16 09:04	74-83-9	W
Carbon tetrachloride	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	56-23-5	W
Chlorobenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	108-90-7	W
Chloroethane	<1340	ug/kg	5000	1340	20	09/22/16 13:00	09/26/16 09:04	75-00-3	W
Chloroform	<929	ug/kg	5000	929	20	09/22/16 13:00	09/26/16 09:04	67-66-3	W
Chloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	74-87-3	W
Dibromochloromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	124-48-1	W
Dibromomethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	74-95-3	W
Dichlorodifluoromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-71-8	W
Diisopropyl ether	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	108-20-3	W
Ethylbenzene	18900	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	100-41-4	
Hexachloro-1,3-butadiene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	87-68-3	W
Isopropylbenzene (Cumene)	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 2.5-5 **Lab ID: 40138618009** Collected: 09/19/16 15:10 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	1634-04-4	W
Methylene Chloride	1220J	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	75-09-2	B
Naphthalene	1610J	ug/kg	7310	1170	20	09/22/16 13:00	09/26/16 09:04	91-20-3	
Styrene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	100-42-5	W
Tetrachloroethene	13700	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	127-18-4	
Toluene	146000	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	108-88-3	
Trichloroethene	2570	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	79-01-6	
Trichlorofluoromethane	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-69-4	W
Vinyl chloride	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	75-01-4	W
cis-1,2-Dichloroethene	103000	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	156-59-2	
cis-1,3-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	10061-01-5	W
m&p-Xylene	93200	ug/kg	3510	1460	20	09/22/16 13:00	09/26/16 09:04	179601-23-1	
n-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	104-51-8	W
n-Propylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	103-65-1	W
o-Xylene	42600	ug/kg	1750	731	20	09/22/16 13:00	09/26/16 09:04	95-47-6	
p-Isopropyltoluene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	99-87-6	W
sec-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	135-98-8	W
tert-Butylbenzene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	98-06-6	W
trans-1,2-Dichloroethene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	156-60-5	W
trans-1,3-Dichloropropene	<500	ug/kg	1200	500	20	09/22/16 13:00	09/26/16 09:04	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	53-165		20	09/22/16 13:00	09/26/16 09:04	1868-53-7	S4
Toluene-d8 (S)	0	%	54-163		20	09/22/16 13:00	09/26/16 09:04	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-138		20	09/22/16 13:00	09/26/16 09:04	460-00-4	S4
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	31.6	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 7.5-10 Lab ID: 40138618010 Collected: 09/19/16 15:15 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	630-20-6	W
1,1,1-Trichloroethane	33.4J	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 16:57	71-55-6	
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/22/16 13:00	09/23/16 16:57	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/22/16 13:00	09/23/16 16:57	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/22/16 13:00	09/23/16 16:57	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/22/16 13:00	09/23/16 16:57	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/22/16 13:00	09/23/16 16:57	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/22/16 13:00	09/23/16 16:57	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/22/16 13:00	09/23/16 16:57	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/22/16 13:00	09/23/16 16:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/22/16 13:00	09/23/16 16:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-73 7.5-10 **Lab ID: 40138618010** Collected: 09/19/16 15:15 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	1634-04-4	W
Methylene Chloride	31.5J	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 16:57	75-09-2	B
Naphthalene	<40.0	ug/kg	250	40.0	1	09/22/16 13:00	09/23/16 16:57	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	75-01-4	W
cis-1,2-Dichloroethene	61.2J	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 16:57	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/22/16 13:00	09/23/16 16:57	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 16:57	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	120	%	53-165		1	09/22/16 13:00	09/23/16 16:57	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	09/22/16 13:00	09/23/16 16:57	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	09/22/16 13:00	09/23/16 16:57	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.4	%	0.10	0.10	1		09/27/16 15:16		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-74 2.5-5 **Lab ID: 40138618011** Collected: 09/19/16 15:45 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	630-20-6	W
1,1,1-Trichloroethane	70.6J	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/22/16 13:00	09/23/16 17:19	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/22/16 13:00	09/23/16 17:19	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	106-93-4	W
1,2-Dichlorobenzene	459	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	95-50-1	
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	108-67-8	W
1,3-Dichlorobenzene	195	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	541-73-1	
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	142-28-9	W
1,4-Dichlorobenzene	146	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	106-46-7	
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/22/16 13:00	09/23/16 17:19	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/22/16 13:00	09/23/16 17:19	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/22/16 13:00	09/23/16 17:19	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/22/16 13:00	09/23/16 17:19	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/22/16 13:00	09/23/16 17:19	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/22/16 13:00	09/23/16 17:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/22/16 13:00	09/23/16 17:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-74 2.5-5 **Lab ID:** 40138618011 Collected: 09/19/16 15:45 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/22/16 13:00	09/23/16 17:19	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	100-42-5	W
Tetrachloroethene	142	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	75-01-4	W
cis-1,2-Dichloroethene	40.0J	ug/kg	74.5	31.0	1	09/22/16 13:00	09/23/16 17:19	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/22/16 13:00	09/23/16 17:19	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:19	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	53-165		1	09/22/16 13:00	09/23/16 17:19	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	09/22/16 13:00	09/23/16 17:19	2037-26-5	
4-Bromofluorobenzene (S)	99	%	48-138		1	09/22/16 13:00	09/23/16 17:19	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.5	%	0.10	0.10	1		09/27/16 16:33		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-74 7.5-10 **Lab ID: 40138618012** Collected: 09/19/16 15:55 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	79-00-5	W
1,1-Dichloroethane	38.7J	ug/kg	67.5	28.1	1	09/22/16 13:00	09/23/16 17:42	75-34-3	
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/22/16 13:00	09/23/16 17:42	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/22/16 13:00	09/23/16 17:42	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/22/16 13:00	09/23/16 17:42	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/22/16 13:00	09/23/16 17:42	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/22/16 13:00	09/23/16 17:42	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/22/16 13:00	09/23/16 17:42	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/22/16 13:00	09/23/16 17:42	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/22/16 13:00	09/23/16 17:42	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/22/16 13:00	09/23/16 17:42	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: GP-74 7.5-10 **Lab ID: 40138618012** Collected: 09/19/16 15:55 Received: 09/21/16 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	1634-04-4	W
Methylene Chloride	31.2J	ug/kg	67.5	28.1	1	09/22/16 13:00	09/23/16 17:42	75-09-2	B
Naphthalene	<40.0	ug/kg	250	40.0	1	09/22/16 13:00	09/23/16 17:42	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	75-01-4	W
cis-1,2-Dichloroethene	145	ug/kg	67.5	28.1	1	09/22/16 13:00	09/23/16 17:42	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/22/16 13:00	09/23/16 17:42	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/22/16 13:00	09/23/16 17:42	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	53-165		1	09/22/16 13:00	09/23/16 17:42	1868-53-7	
Toluene-d8 (S)	101	%	54-163		1	09/22/16 13:00	09/23/16 17:42	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-138		1	09/22/16 13:00	09/23/16 17:42	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	11.1	%	0.10	0.10	1		09/27/16 16:33		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: TRIP BLANK **Lab ID: 40138618013** Collected: 09/19/16 00:00 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/29/16 18:13	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/29/16 18:13	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/29/16 18:13	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/29/16 18:13	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/29/16 18:13	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/29/16 18:13	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/29/16 18:13	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/29/16 18:13	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/29/16 18:13	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/29/16 18:13	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/29/16 18:13	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/29/16 18:13	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/29/16 18:13	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/29/16 18:13	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/29/16 18:13	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/29/16 18:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/29/16 18:13	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		09/29/16 18:13	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/29/16 18:13	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/29/16 18:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/29/16 18:13	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/29/16 18:13	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/29/16 18:13	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/29/16 18:13	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/29/16 18:13	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/29/16 18:13	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/29/16 18:13	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/29/16 18:13	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138618

Sample: TRIP BLANK **Lab ID: 40138618013** Collected: 09/19/16 00:00 Received: 09/21/16 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/29/16 18:13	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/29/16 18:13	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/29/16 18:13	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/29/16 18:13	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/29/16 18:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		09/29/16 18:13	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/29/16 18:13	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/29/16 18:13	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/29/16 18:13	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/29/16 18:13	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/29/16 18:13	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/29/16 18:13	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/29/16 18:13	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	129	%	70-130		1		09/29/16 18:13	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/29/16 18:13	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		09/29/16 18:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

QC Batch: 235828 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
 Associated Lab Samples: 40138618005, 40138618006, 40138618007, 40138618008, 40138618009, 40138618010, 40138618011, 40138618012

METHOD BLANK: 1398126 Matrix: Solid
 Associated Lab Samples: 40138618005, 40138618006, 40138618007, 40138618008, 40138618009, 40138618010, 40138618011, 40138618012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/23/16 14:18	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/23/16 14:18	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/23/16 14:18	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/23/16 14:18	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/23/16 14:18	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/23/16 14:18	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/23/16 14:18	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/23/16 14:18	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/23/16 14:18	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/23/16 14:18	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/23/16 14:18	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/23/16 14:18	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/23/16 14:18	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/23/16 14:18	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/23/16 14:18	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/23/16 14:18	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/23/16 14:18	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/23/16 14:18	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/23/16 14:18	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/23/16 14:18	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/23/16 14:18	
2-Butanone (MEK)	ug/kg	<124	250	09/23/16 14:18	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/23/16 14:18	
2-Propanol	ug/kg	<767	12500	09/23/16 14:18	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/23/16 14:18	
4-Methyl-2-pentanone (MIBK)	ug/kg	<41.1	250	09/23/16 14:18	
Acetone	ug/kg	<98.6	250	09/23/16 14:18	
Benzene	ug/kg	<9.2	20.0	09/23/16 14:18	
Bromobenzene	ug/kg	<20.6	50.0	09/23/16 14:18	
Bromochloromethane	ug/kg	<21.4	50.0	09/23/16 14:18	
Bromodichloromethane	ug/kg	<9.8	50.0	09/23/16 14:18	
Bromoform	ug/kg	<19.8	50.0	09/23/16 14:18	
Bromomethane	ug/kg	<69.9	250	09/23/16 14:18	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/23/16 14:18	
Chlorobenzene	ug/kg	<14.8	50.0	09/23/16 14:18	
Chloroethane	ug/kg	<67.0	250	09/23/16 14:18	
Chloroform	ug/kg	<46.4	250	09/23/16 14:18	
Chloromethane	ug/kg	<20.4	50.0	09/23/16 14:18	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/23/16 14:18	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/23/16 14:18	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

METHOD BLANK: 1398126

Matrix: Solid

Associated Lab Samples: 40138618005, 40138618006, 40138618007, 40138618008, 40138618009, 40138618010, 40138618011, 40138618012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<17.9	50.0	09/23/16 14:18	
Dibromomethane	ug/kg	<19.3	50.0	09/23/16 14:18	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/23/16 14:18	
Diisopropyl ether	ug/kg	<17.7	50.0	09/23/16 14:18	
Ethylbenzene	ug/kg	<12.4	50.0	09/23/16 14:18	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/23/16 14:18	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/23/16 14:18	
m&p-Xylene	ug/kg	<34.4	100	09/23/16 14:18	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/23/16 14:18	
Methylene Chloride	ug/kg	32.9J	50.0	09/23/16 14:18	
n-Butylbenzene	ug/kg	<10.5	50.0	09/23/16 14:18	
n-Propylbenzene	ug/kg	<11.6	50.0	09/23/16 14:18	
Naphthalene	ug/kg	<40.0	250	09/23/16 14:18	
o-Xylene	ug/kg	<14.0	50.0	09/23/16 14:18	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/23/16 14:18	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/23/16 14:18	
Styrene	ug/kg	<9.0	50.0	09/23/16 14:18	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/23/16 14:18	
Tetrachloroethene	ug/kg	<12.9	50.0	09/23/16 14:18	
Toluene	ug/kg	<11.2	50.0	09/23/16 14:18	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/23/16 14:18	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/23/16 14:18	
Trichloroethene	ug/kg	<23.6	50.0	09/23/16 14:18	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/23/16 14:18	
Vinyl chloride	ug/kg	<21.1	50.0	09/23/16 14:18	
4-Bromofluorobenzene (S)	%	82	48-138	09/23/16 14:18	
Dibromofluoromethane (S)	%	119	53-165	09/23/16 14:18	
Toluene-d8 (S)	%	98	54-163	09/23/16 14:18	

LABORATORY CONTROL SAMPLE: 1398127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2500	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2350	94	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2640	106	70-130	
1,1-Dichloroethane	ug/kg	2500	2800	112	70-133	
1,1-Dichloroethene	ug/kg	2500	2440	98	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2170	87	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	95	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2510	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
1,2-Dichloroethane	ug/kg	2500	2660	106	70-138	
1,2-Dichloropropane	ug/kg	2500	3000	120	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

LABORATORY CONTROL SAMPLE: 1398127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2680	107	70-130	
Bromodichloromethane	ug/kg	2500	2890	116	70-130	
Bromoform	ug/kg	2500	2290	92	68-130	
Bromomethane	ug/kg	2500	2010	80	25-163	
Carbon tetrachloride	ug/kg	2500	2740	110	70-130	
Chlorobenzene	ug/kg	2500	2690	108	70-130	
Chloroethane	ug/kg	2500	2940	118	34-151	
Chloroform	ug/kg	2500	2650	106	70-130	
Chloromethane	ug/kg	2500	1850	74	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2460	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2490	100	70-130	
Dibromochloromethane	ug/kg	2500	2450	98	70-130	
Dichlorodifluoromethane	ug/kg	2500	1090	44	27-150	
Ethylbenzene	ug/kg	2500	2570	103	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2740	109	70-130	
m&p-Xylene	ug/kg	5000	5270	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2310	92	70-130	
Methylene Chloride	ug/kg	2500	2780	111	70-131	
o-Xylene	ug/kg	2500	2460	98	70-130	
Styrene	ug/kg	2500	2610	105	70-130	
Tetrachloroethene	ug/kg	2500	2440	98	70-130	
Toluene	ug/kg	2500	2640	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2470	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2490	99	70-130	
Trichloroethene	ug/kg	2500	2710	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2190	88	50-150	
Vinyl chloride	ug/kg	2500	2040	82	57-130	
4-Bromofluorobenzene (S)	%			100	48-138	
Dibromofluoromethane (S)	%			111	53-165	
Toluene-d8 (S)	%			105	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398128 1398129

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138618005 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	1730	1570	1570	4710	5280	189	225	70-130	11	20	M1	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1570	1570	1500	1480	96	94	70-130	2	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1570	1570	1590	1650	101	105	70-130	4	20		
1,1-Dichloroethane	ug/kg	200	1570	1570	2250	2400	130	140	64-133	7	20	M1	
1,1-Dichloroethene	ug/kg	<25.0	1570	1570	1570	1780	100	113	56-130	12	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1570	1570	1850	1760	114	108	70-130	5	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1570	1570	1820	1960	116	124	50-150	7	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138618

Parameter	Units	1398128		1398129		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40138618005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1570	1570	1540	1610	98	102	70-130	5	20		
1,2-Dichlorobenzene	ug/kg	830	1570	1570	2780	2850	124	129	70-130	3	20		
1,2-Dichloroethane	ug/kg	<25.0	1570	1570	1730	1800	110	114	70-138	4	20		
1,2-Dichloropropane	ug/kg	<25.0	1570	1570	1950	1870	124	119	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	123	1570	1570	1820	1760	108	104	70-130	3	20		
1,4-Dichlorobenzene	ug/kg	390	1570	1570	2160	2190	113	115	70-130	1	20		
Benzene	ug/kg	<25.0	1570	1570	1710	1790	108	114	70-130	5	20		
Bromodichloromethane	ug/kg	<25.0	1570	1570	1910	1840	121	117	70-130	4	20		
Bromoform	ug/kg	<25.0	1570	1570	1560	1540	99	98	65-130	1	20		
Bromomethane	ug/kg	<69.9	1570	1570	1340	1290	85	82	11-163	4	21		
Carbon tetrachloride	ug/kg	<25.0	1570	1570	1810	1900	115	121	70-130	5	20		
Chlorobenzene	ug/kg	<25.0	1570	1570	1720	1670	109	106	70-130	3	20		
Chloroethane	ug/kg	<67.0	1570	1570	1870	1910	119	121	17-151	2	20		
Chloroform	ug/kg	<46.4	1570	1570	1750	1830	111	116	70-130	5	20		
Chloromethane	ug/kg	<25.0	1570	1570	1140	1210	73	77	13-130	6	20		
cis-1,2-Dichloroethene	ug/kg	2680	1570	1570	6520	7780	244	324	70-130	18	20	M1	
cis-1,3-Dichloropropene	ug/kg	<25.0	1570	1570	1590	1520	101	96	70-130	4	20		
Dibromochloromethane	ug/kg	<25.0	1570	1570	1560	1590	99	101	70-130	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1570	1570	618	625	39	40	10-150	1	21		
Ethylbenzene	ug/kg	174	1570	1570	1910	1920	110	111	70-130	1	20		
Isopropylbenzene (Cumene)	ug/kg	38.4J	1570	1570	1920	1850	120	115	70-130	4	20		
m&p-Xylene	ug/kg	184	3150	3150	3660	3530	110	106	70-130	4	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1570	1570	1430	1520	91	96	70-130	6	20		
Methylene Chloride	ug/kg	33.0J	1570	1570	1860	1940	116	121	70-131	4	20		
o-Xylene	ug/kg	1260	1570	1570	3580	3630	147	150	70-130	1	20	M1	
Styrene	ug/kg	<25.0	1570	1570	1770	1660	113	105	70-130	7	20		
Tetrachloroethene	ug/kg	1180	1570	1570	3410	3540	142	150	70-130	4	20	M1	
Toluene	ug/kg	105	1570	1570	1800	1800	108	107	70-130	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1570	1570	1570	1640	99	103	70-130	4	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1570	1570	1390	1410	88	90	70-130	2	20		
Trichloroethene	ug/kg	89.6	1570	1570	1910	1870	115	113	70-130	2	20		
Trichlorofluoromethane	ug/kg	<25.0	1570	1570	1510	1500	96	95	40-150	1	31		
Vinyl chloride	ug/kg	<25.0	1570	1570	1300	1360	83	86	26-130	4	20		
4-Bromofluorobenzene (S)	%						106	106	48-138				
Dibromofluoromethane (S)	%						117	124	53-165				
Toluene-d8 (S)	%						107	106	54-163				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138618

QC Batch: 236446 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138618001, 40138618002, 40138618003

METHOD BLANK: 1401562 Matrix: Water
Associated Lab Samples: 40138618001, 40138618002, 40138618003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/30/16 11:03	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/30/16 11:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/30/16 11:03	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/30/16 11:03	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/30/16 11:03	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/30/16 11:03	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/30/16 11:03	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/30/16 11:03	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/30/16 11:03	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/30/16 11:03	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 11:03	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/30/16 11:03	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/30/16 11:03	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 11:03	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/30/16 11:03	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/30/16 11:03	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 11:03	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 11:03	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/30/16 11:03	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 11:03	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/30/16 11:03	
2-Butanone (MEK)	ug/L	<3.0	20.0	09/30/16 11:03	
2-Chlorotoluene	ug/L	<0.50	1.0	09/30/16 11:03	
2-Propanol	ug/L	<24.3	250	09/30/16 11:03	
4-Chlorotoluene	ug/L	<0.21	1.0	09/30/16 11:03	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	09/30/16 11:03	
Acetone	ug/L	<3.0	20.0	09/30/16 11:03	
Benzene	ug/L	<0.50	1.0	09/30/16 11:03	
Bromobenzene	ug/L	<0.23	1.0	09/30/16 11:03	
Bromochloromethane	ug/L	<0.34	1.0	09/30/16 11:03	
Bromodichloromethane	ug/L	<0.50	1.0	09/30/16 11:03	
Bromoform	ug/L	<0.50	1.0	09/30/16 11:03	
Bromomethane	ug/L	<2.4	5.0	09/30/16 11:03	
Carbon tetrachloride	ug/L	<0.50	1.0	09/30/16 11:03	
Chlorobenzene	ug/L	<0.50	1.0	09/30/16 11:03	
Chloroethane	ug/L	<0.37	1.0	09/30/16 11:03	
Chloroform	ug/L	<2.5	5.0	09/30/16 11:03	
Chloromethane	ug/L	<0.50	1.0	09/30/16 11:03	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 11:03	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/30/16 11:03	
Dibromochloromethane	ug/L	<0.50	1.0	09/30/16 11:03	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

METHOD BLANK: 1401562

Matrix: Water

Associated Lab Samples: 40138618001, 40138618002, 40138618003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	09/30/16 11:03	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/30/16 11:03	
Diisopropyl ether	ug/L	<0.50	1.0	09/30/16 11:03	
Ethylbenzene	ug/L	<0.50	1.0	09/30/16 11:03	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/30/16 11:03	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/30/16 11:03	
m&p-Xylene	ug/L	<1.0	2.0	09/30/16 11:03	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/30/16 11:03	
Methylene Chloride	ug/L	<0.23	1.0	09/30/16 11:03	
n-Butylbenzene	ug/L	<0.50	1.0	09/30/16 11:03	
n-Propylbenzene	ug/L	<0.50	1.0	09/30/16 11:03	
Naphthalene	ug/L	<2.5	5.0	09/30/16 11:03	
o-Xylene	ug/L	<0.50	1.0	09/30/16 11:03	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/30/16 11:03	
sec-Butylbenzene	ug/L	<2.2	5.0	09/30/16 11:03	
Styrene	ug/L	<0.50	1.0	09/30/16 11:03	
tert-Butylbenzene	ug/L	<0.18	1.0	09/30/16 11:03	
Tetrachloroethene	ug/L	<0.50	1.0	09/30/16 11:03	
Toluene	ug/L	<0.50	1.0	09/30/16 11:03	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 11:03	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/30/16 11:03	
Trichloroethene	ug/L	<0.33	1.0	09/30/16 11:03	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/30/16 11:03	
Vinyl chloride	ug/L	<0.18	1.0	09/30/16 11:03	
Xylene (Total)	ug/L	<1.5	3.0	09/30/16 11:03	
4-Bromofluorobenzene (S)	%	82	70-130	09/30/16 11:03	
Dibromofluoromethane (S)	%	95	70-130	09/30/16 11:03	
Toluene-d8 (S)	%	88	70-130	09/30/16 11:03	

LABORATORY CONTROL SAMPLE: 1401563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.8	90	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	67-130	
1,1,2-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1-Dichloroethane	ug/L	50	50.8	102	70-133	
1,1-Dichloroethene	ug/L	50	41.7	83	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.1	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.1	80	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,2-Dichloroethane	ug/L	50	44.1	88	70-130	
1,2-Dichloropropane	ug/L	50	51.9	104	70-130	
1,3-Dichlorobenzene	ug/L	50	52.0	104	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

LABORATORY CONTROL SAMPLE: 1401563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	53.0	106	70-130	
Benzene	ug/L	50	50.2	100	60-135	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	45.2	90	70-130	
Bromomethane	ug/L	50	26.8	54	33-130	
Carbon tetrachloride	ug/L	50	47.7	95	70-138	
Chlorobenzene	ug/L	50	51.2	102	70-130	
Chloroethane	ug/L	50	35.7	71	51-130	
Chloroform	ug/L	50	46.8	94	70-130	
Chloromethane	ug/L	50	36.5	73	25-132	
cis-1,2-Dichloroethene	ug/L	50	46.0	92	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.9	94	70-130	
Dibromochloromethane	ug/L	50	45.0	90	70-130	
Dichlorodifluoromethane	ug/L	50	27.0	54	23-130	
Ethylbenzene	ug/L	50	50.9	102	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.7	107	70-140	
m&p-Xylene	ug/L	100	105	105	70-138	
Methyl-tert-butyl ether	ug/L	50	41.2	82	66-138	
Methylene Chloride	ug/L	50	44.2	88	70-130	
o-Xylene	ug/L	50	48.5	97	70-134	
Styrene	ug/L	50	50.7	101	70-133	
Tetrachloroethene	ug/L	50	55.0	110	70-138	
Toluene	ug/L	50	51.0	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	69-130	
Trichloroethene	ug/L	50	51.0	102	70-130	
Trichlorofluoromethane	ug/L	50	43.8	88	50-150	
Vinyl chloride	ug/L	50	44.0	88	49-130	
Xylene (Total)	ug/L	150	154	102	70-135	
4-Bromofluorobenzene (S)	%			91	70-130	
Dibromofluoromethane (S)	%			91	70-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402299 1402300

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138618002 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	1160	1000	1000	2150	2130	98	96	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<5.0	1000	1000	939	932	94	93	67-130	1	20		
1,1,2-Trichloroethane	ug/L	6.9J	1000	1000	894	917	89	91	70-130	3	20		
1,1-Dichloroethane	ug/L	155	1000	1000	1170	1110	102	96	70-134	5	20		
1,1-Dichloroethene	ug/L	10.8J	1000	1000	854	791	84	78	68-136	8	20		
1,2,4-Trichlorobenzene	ug/L	<44.2	1000	1000	1070	1080	106	107	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<43.3	1000	1000	748	758	75	76	50-150	1	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402299		1402300		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138618002 Result	MS Spike Conc.	MSD Spike Conc.									
1,2-Dibromoethane (EDB)	ug/L	<3.6	1000	1000	885	887	88	89	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<10.0	1000	1000	1010	1020	101	102	70-130	1	20		
1,2-Dichloroethane	ug/L	<3.4	1000	1000	864	844	86	84	70-130	2	20		
1,2-Dichloropropane	ug/L	<4.7	1000	1000	1020	1010	102	101	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<10.0	1000	1000	1010	1010	101	101	70-131	0	20		
1,4-Dichlorobenzene	ug/L	<10.0	1000	1000	1020	1050	102	105	70-130	3	20		
Benzene	ug/L	<10.0	1000	1000	974	985	97	98	57-138	1	20		
Bromodichloromethane	ug/L	<10.0	1000	1000	946	907	95	91	70-130	4	20		
Bromoform	ug/L	<10.0	1000	1000	853	805	85	81	70-130	6	20		
Bromomethane	ug/L	<48.7	1000	1000	638	647	64	65	33-130	1	27		
Carbon tetrachloride	ug/L	<10.0	1000	1000	950	933	95	93	70-138	2	20		
Chlorobenzene	ug/L	<10.0	1000	1000	1010	996	101	100	70-130	1	20		
Chloroethane	ug/L	<7.5	1000	1000	769	715	77	72	51-130	7	20		
Chloroform	ug/L	<50.0	1000	1000	942	911	93	90	70-130	3	20		
Chloromethane	ug/L	<10.0	1000	1000	674	636	67	64	25-132	6	20		
cis-1,2-Dichloroethene	ug/L	1600	1000	1000	2600	2440	100	84	61-140	6	20		
cis-1,3-Dichloropropene	ug/L	<10.0	1000	1000	920	909	92	91	70-130	1	20		
Dibromochloromethane	ug/L	<10.0	1000	1000	850	826	85	83	70-130	3	20		
Dichlorodifluoromethane	ug/L	<4.5	1000	1000	524	501	52	50	23-130	5	20		
Ethylbenzene	ug/L	<10.0	1000	1000	965	957	96	96	70-138	1	20		
Isopropylbenzene (Cumene)	ug/L	<2.9	1000	1000	1020	1020	102	102	70-152	0	20		
m&p-Xylene	ug/L	<20.0	2000	2000	2010	1910	100	95	70-140	5	20		
Methyl-tert-butyl ether	ug/L	<3.5	1000	1000	794	809	79	81	66-139	2	20		
Methylene Chloride	ug/L	<4.7	1000	1000	872	830	87	83	70-130	5	20		
o-Xylene	ug/L	<10.0	1000	1000	927	910	93	91	70-134	2	20		
Styrene	ug/L	<10.0	1000	1000	971	929	97	93	70-138	4	20		
Tetrachloroethene	ug/L	2230	1000	1000	3870	3800	165	158	70-148	2	20	M1	
Toluene	ug/L	<10.0	1000	1000	997	985	100	98	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<5.1	1000	1000	926	864	93	86	70-133	7	20		
trans-1,3-Dichloropropene	ug/L	<4.6	1000	1000	803	816	80	82	69-130	1	20		
Trichloroethene	ug/L	751	1000	1000	1900	1870	115	111	70-131	2	20		
Trichlorofluoromethane	ug/L	<3.7	1000	1000	868	806	87	81	50-150	7	20		
Vinyl chloride	ug/L	<3.5	1000	1000	865	781	87	78	49-133	10	20		
Xylene (Total)	ug/L	<30.0	3000	3000	2940	2820	98	94	70-135	4	20		
4-Bromofluorobenzene (S)	%						87	86	70-130				
Dibromofluoromethane (S)	%						91	90	70-130				
Toluene-d8 (S)	%						90	88	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138618

QC Batch: 236677 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138618004, 40138618013

METHOD BLANK: 1402694 Matrix: Water
Associated Lab Samples: 40138618004, 40138618013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/29/16 14:07	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/29/16 14:07	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/29/16 14:07	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/29/16 14:07	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/29/16 14:07	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/29/16 14:07	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/29/16 14:07	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/29/16 14:07	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/29/16 14:07	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/29/16 14:07	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/29/16 14:07	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/29/16 14:07	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/29/16 14:07	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/29/16 14:07	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/29/16 14:07	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/29/16 14:07	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/29/16 14:07	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/29/16 14:07	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/29/16 14:07	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/29/16 14:07	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/29/16 14:07	
2-Butanone (MEK)	ug/L	<3.0	20.0	09/29/16 14:07	
2-Chlorotoluene	ug/L	<0.50	1.0	09/29/16 14:07	
2-Propanol	ug/L	<24.3	250	09/29/16 14:07	
4-Chlorotoluene	ug/L	<0.21	1.0	09/29/16 14:07	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	09/29/16 14:07	
Acetone	ug/L	<3.0	20.0	09/29/16 14:07	
Benzene	ug/L	<0.50	1.0	09/29/16 14:07	
Bromobenzene	ug/L	<0.23	1.0	09/29/16 14:07	
Bromochloromethane	ug/L	<0.34	1.0	09/29/16 14:07	
Bromodichloromethane	ug/L	<0.50	1.0	09/29/16 14:07	
Bromoform	ug/L	<0.50	1.0	09/29/16 14:07	
Bromomethane	ug/L	<2.4	5.0	09/29/16 14:07	
Carbon tetrachloride	ug/L	<0.50	1.0	09/29/16 14:07	
Chlorobenzene	ug/L	<0.50	1.0	09/29/16 14:07	
Chloroethane	ug/L	<0.37	1.0	09/29/16 14:07	
Chloroform	ug/L	<2.5	5.0	09/29/16 14:07	
Chloromethane	ug/L	<0.50	1.0	09/29/16 14:07	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/29/16 14:07	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/29/16 14:07	
Dibromochloromethane	ug/L	<0.50	1.0	09/29/16 14:07	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

METHOD BLANK: 1402694

Matrix: Water

Associated Lab Samples: 40138618004, 40138618013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	09/29/16 14:07	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/29/16 14:07	
Diisopropyl ether	ug/L	<0.50	1.0	09/29/16 14:07	
Ethylbenzene	ug/L	<0.50	1.0	09/29/16 14:07	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/29/16 14:07	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/29/16 14:07	
m&p-Xylene	ug/L	<1.0	2.0	09/29/16 14:07	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/29/16 14:07	
Methylene Chloride	ug/L	<0.23	1.0	09/29/16 14:07	
n-Butylbenzene	ug/L	<0.50	1.0	09/29/16 14:07	
n-Propylbenzene	ug/L	<0.50	1.0	09/29/16 14:07	
Naphthalene	ug/L	<2.5	5.0	09/29/16 14:07	
o-Xylene	ug/L	<0.50	1.0	09/29/16 14:07	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/29/16 14:07	
sec-Butylbenzene	ug/L	<2.2	5.0	09/29/16 14:07	
Styrene	ug/L	<0.50	1.0	09/29/16 14:07	
tert-Butylbenzene	ug/L	<0.18	1.0	09/29/16 14:07	
Tetrachloroethene	ug/L	<0.50	1.0	09/29/16 14:07	
Toluene	ug/L	<0.50	1.0	09/29/16 14:07	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/29/16 14:07	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/29/16 14:07	
Trichloroethene	ug/L	<0.33	1.0	09/29/16 14:07	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/29/16 14:07	
Vinyl chloride	ug/L	<0.18	1.0	09/29/16 14:07	
Xylene (Total)	ug/L	<1.5	3.0	09/29/16 14:07	
4-Bromofluorobenzene (S)	%	89	70-130	09/29/16 14:07	
Dibromofluoromethane (S)	%	127	70-130	09/29/16 14:07	
Toluene-d8 (S)	%	100	70-130	09/29/16 14:07	

LABORATORY CONTROL SAMPLE: 1402695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.4	119	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	53.1	106	67-130	
1,1,2-Trichloroethane	ug/L	50	56.8	114	70-130	
1,1-Dichloroethane	ug/L	50	57.7	115	70-133	
1,1-Dichloroethene	ug/L	50	50.2	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.4	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	55.1	110	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	54.9	110	70-130	
1,2-Dichloropropane	ug/L	50	58.3	117	70-130	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

LABORATORY CONTROL SAMPLE: 1402695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.6	97	70-130	
Benzene	ug/L	50	54.2	108	60-135	
Bromodichloromethane	ug/L	50	55.9	112	70-130	
Bromoform	ug/L	50	48.3	97	70-130	
Bromomethane	ug/L	50	32.7	65	33-130	
Carbon tetrachloride	ug/L	50	54.9	110	70-138	
Chlorobenzene	ug/L	50	53.3	107	70-130	
Chloroethane	ug/L	50	47.3	95	51-130	
Chloroform	ug/L	50	59.0	118	70-130	
Chloromethane	ug/L	50	36.6	73	25-132	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	69-130	
cis-1,3-Dichloropropene	ug/L	50	43.3	87	70-130	
Dibromochloromethane	ug/L	50	54.9	110	70-130	
Dichlorodifluoromethane	ug/L	50	32.3	65	23-130	
Ethylbenzene	ug/L	50	55.2	110	70-136	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	70-140	
m&p-Xylene	ug/L	100	114	114	70-138	
Methyl-tert-butyl ether	ug/L	50	55.7	111	66-138	
Methylene Chloride	ug/L	50	53.4	107	70-130	
o-Xylene	ug/L	50	54.8	110	70-134	
Styrene	ug/L	50	54.4	109	70-133	
Tetrachloroethene	ug/L	50	51.1	102	70-138	
Toluene	ug/L	50	55.3	111	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.3	107	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.9	86	69-130	
Trichloroethene	ug/L	50	55.0	110	70-130	
Trichlorofluoromethane	ug/L	50	49.5	99	50-150	
Vinyl chloride	ug/L	50	48.9	98	49-130	
Xylene (Total)	ug/L	150	169	113	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			125	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138618

QC Batch: 236393

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40138618011, 40138618012

SAMPLE DUPLICATE: 1401372

Parameter	Units	40138626002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.4	16.1	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR
Pace Project No.: 40138618

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40138618

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138618005	GP-71 2.5-5	EPA 5035/5030B	235828	EPA 8260	235831
40138618006	GP-71 5-7.5	EPA 5035/5030B	235828	EPA 8260	235831
40138618007	GP-72 2.5-5	EPA 5035/5030B	235828	EPA 8260	235831
40138618008	GP-72 5-7.5	EPA 5035/5030B	235828	EPA 8260	235831
40138618009	GP-73 2.5-5	EPA 5035/5030B	235828	EPA 8260	235831
40138618010	GP-73 7.5-10	EPA 5035/5030B	235828	EPA 8260	235831
40138618011	GP-74 2.5-5	EPA 5035/5030B	235828	EPA 8260	235831
40138618012	GP-74 7.5-10	EPA 5035/5030B	235828	EPA 8260	235831
40138618001	GP-71	EPA 8260	236446		
40138618002	GP-72	EPA 8260	236446		
40138618003	GP-73	EPA 8260	236446		
40138618004	GP-74	EPA 8260	236677		
40138618013	TRIP BLANK	EPA 8260	236677		
40138618005	GP-71 2.5-5	ASTM D2974-87	236375		
40138618006	GP-71 5-7.5	ASTM D2974-87	236375		
40138618007	GP-72 2.5-5	ASTM D2974-87	236375		
40138618008	GP-72 5-7.5	ASTM D2974-87	236375		
40138618009	GP-73 2.5-5	ASTM D2974-87	236375		
40138618010	GP-73 7.5-10	ASTM D2974-87	236375		
40138618011	GP-74 2.5-5	ASTM D2974-87	236393		
40138618012	GP-74 7.5-10	ASTM D2974-87	236393		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project: **WO# : 40138618**

Client Name: Garnett
 Courier: Fed Ex UPS Client Pace Other: Dunham
 Tracking #: 1214962



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: /Corr: ROI Biological Tissue is Frozen: yes no
 Temp Blank Present: yes no

Person examining contents:
 Date: 9/2/11
 Initials: CA

Temp should be above freezing to 6°C for all sample except Biota.
 Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. no date <u>9/2/11</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W/S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #/ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>3166</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: Date added to COC by lab per samples received 9/2/11

Project Manager Review: [Signature] Date: 9-2-11

October 05, 2016

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/05/16.**

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40138821

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40138821

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138821001	GP-75 17-21	Water	09/20/16 11:00	09/22/16 07:15
40138821002	GP-75 31-35	Water	09/20/16 11:30	09/22/16 07:15
40138821003	GP-75 40-44	Water	09/20/16 12:15	09/22/16 07:15
40138821004	GP-75 46-50	Water	09/20/16 12:30	09/22/16 07:15
40138821005	GP-76	Water	09/20/16 16:30	09/22/16 07:15
40138821006	GP-77	Water	09/21/16 08:04	09/22/16 07:15
40138821007	GP-78	Water	09/21/16 09:20	09/22/16 07:15
40138821008	GP-79	Water	09/21/16 10:25	09/22/16 07:15
40138821009	TRIP BLANK	Water	09/21/16 00:00	09/22/16 07:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138821001	GP-75 17-21	EPA 8260	HNW	69
40138821002	GP-75 31-35	EPA 8260	HNW	69
40138821003	GP-75 40-44	EPA 8260	HNW	69
40138821004	GP-75 46-50	EPA 8260	HNW	69
40138821005	GP-76	EPA 8260	HNW	69
40138821006	GP-77	EPA 8260	HNW	69
40138821007	GP-78	EPA 8260	HNW	69
40138821008	GP-79	EPA 8260	HNW	69
40138821009	TRIP BLANK	EPA 8260	HNW	69

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138821001	GP-75 17-21					
EPA 8260	1,1-Dichloroethane	1.1	ug/L	1.0	09/30/16 11:06	
EPA 8260	1,2,4-Trimethylbenzene	0.60J	ug/L	1.0	09/30/16 11:06	
EPA 8260	Chloroethane	1.3	ug/L	1.0	09/30/16 11:06	
EPA 8260	Dichlorodifluoromethane	0.30J	ug/L	1.0	09/30/16 11:06	
EPA 8260	Ethylbenzene	1.0	ug/L	1.0	09/30/16 11:06	
EPA 8260	Toluene	2.2	ug/L	1.0	09/30/16 11:06	
EPA 8260	Vinyl chloride	0.50J	ug/L	1.0	09/30/16 11:06	
EPA 8260	Xylene (Total)	4.0	ug/L	3.0	09/30/16 11:06	
EPA 8260	cis-1,2-Dichloroethene	1.8	ug/L	1.0	09/30/16 11:06	
EPA 8260	m&p-Xylene	2.5	ug/L	2.0	09/30/16 11:06	
EPA 8260	o-Xylene	1.5	ug/L	1.0	09/30/16 11:06	
40138821002	GP-75 31-35					
EPA 8260	1,1-Dichloroethane	4.1J	ug/L	5.0	10/03/16 11:02	
EPA 8260	1,2,4-Trimethylbenzene	3.7J	ug/L	5.0	10/03/16 11:02	
EPA 8260	Ethylbenzene	322	ug/L	5.0	10/03/16 11:02	
EPA 8260	Isopropylbenzene (Cumene)	1.8J	ug/L	5.0	10/03/16 11:02	
EPA 8260	Toluene	10.8	ug/L	5.0	10/03/16 11:02	
EPA 8260	Xylene (Total)	1140	ug/L	15.0	10/03/16 11:02	
EPA 8260	cis-1,2-Dichloroethene	4.9J	ug/L	5.0	10/03/16 11:02	
EPA 8260	m&p-Xylene	863	ug/L	10.0	10/03/16 11:02	
EPA 8260	o-Xylene	279	ug/L	5.0	10/03/16 11:02	
40138821003	GP-75 40-44					
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,1-Dichloroethane	174	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,2,4-Trimethylbenzene	5.7	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,2-Dichlorobenzene	33.2	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,2-Dichloroethane	1.4	ug/L	1.0	09/30/16 17:11	L1
EPA 8260	1,2-Dichloropropane	0.59J	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,3,5-Trimethylbenzene	15.1	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,3-Dichlorobenzene	0.95J	ug/L	1.0	09/30/16 17:11	
EPA 8260	1,4-Dichlorobenzene	3.0	ug/L	1.0	09/30/16 17:11	
EPA 8260	2-Chlorotoluene	2.7	ug/L	1.0	09/30/16 17:11	
EPA 8260	Acetone	9.9J	ug/L	20.0	09/30/16 17:11	
EPA 8260	Benzene	2.1	ug/L	1.0	09/30/16 17:11	
EPA 8260	Chlorobenzene	3.1	ug/L	1.0	09/30/16 17:11	
EPA 8260	Chloroethane	1.7	ug/L	1.0	09/30/16 17:11	
EPA 8260	Ethylbenzene	19.1	ug/L	1.0	09/30/16 17:11	
EPA 8260	Isopropylbenzene (Cumene)	0.24J	ug/L	1.0	09/30/16 17:11	
EPA 8260	Methyl-tert-butyl ether	0.18J	ug/L	1.0	09/30/16 17:11	
EPA 8260	Naphthalene	2.5J	ug/L	5.0	09/30/16 17:11	
EPA 8260	Toluene	29.5	ug/L	1.0	09/30/16 17:11	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	09/30/16 17:11	
EPA 8260	Vinyl chloride	7.3	ug/L	1.0	09/30/16 17:11	
EPA 8260	Xylene (Total)	44.9	ug/L	3.0	09/30/16 17:11	
EPA 8260	cis-1,2-Dichloroethene	6.2	ug/L	1.0	09/30/16 17:11	
EPA 8260	m&p-Xylene	27.3	ug/L	2.0	09/30/16 17:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40138821003	GP-75 40-44					
EPA 8260	o-Xylene	17.6	ug/L	1.0	09/30/16 17:11	
EPA 8260	trans-1,2-Dichloroethene	1.7	ug/L	1.0	09/30/16 17:11	
40138821004	GP-75 46-50					
EPA 8260	1,1-Dichloroethane	872	ug/L	125	09/30/16 11:28	
EPA 8260	1,2,4-Trimethylbenzene	69.6J	ug/L	125	09/30/16 11:28	
EPA 8260	Benzene	70.6J	ug/L	125	09/30/16 11:28	
EPA 8260	Chloroethane	450	ug/L	125	09/30/16 11:28	
EPA 8260	Ethylbenzene	1880	ug/L	125	09/30/16 11:28	
EPA 8260	Toluene	20400	ug/L	125	09/30/16 11:28	
EPA 8260	Vinyl chloride	210	ug/L	125	09/30/16 11:28	
EPA 8260	Xylene (Total)	3050	ug/L	375	09/30/16 11:28	
EPA 8260	cis-1,2-Dichloroethene	548	ug/L	125	09/30/16 11:28	
EPA 8260	m&p-Xylene	2310	ug/L	250	09/30/16 11:28	
EPA 8260	o-Xylene	730	ug/L	125	09/30/16 11:28	
40138821005	GP-76					
EPA 8260	Acetone	15.6J	ug/L	20.0	09/30/16 17:33	
EPA 8260	Tetrachloroethene	14.3	ug/L	1.0	09/30/16 17:33	
EPA 8260	Toluene	0.56J	ug/L	1.0	09/30/16 17:33	
40138821006	GP-77					
EPA 8260	1,1,1-Trichloroethane	34900	ug/L	250	09/30/16 18:39	
EPA 8260	1,1,2-Trichloroethane	746	ug/L	25.0	09/30/16 11:50	
EPA 8260	1,1-Dichloroethane	979	ug/L	25.0	09/30/16 11:50	
EPA 8260	1,1-Dichloroethene	1240	ug/L	25.0	09/30/16 11:50	
EPA 8260	1,2-Dichlorobenzene	25.9	ug/L	25.0	09/30/16 11:50	
EPA 8260	1,2-Dichloroethane	127	ug/L	25.0	09/30/16 11:50	L1
EPA 8260	1,2-Dichloropropane	336	ug/L	25.0	09/30/16 11:50	
EPA 8260	Chloroform	118J	ug/L	125	09/30/16 11:50	
EPA 8260	Methyl-tert-butyl ether	8.0J	ug/L	25.0	09/30/16 11:50	
EPA 8260	Methylene Chloride	25.5	ug/L	25.0	09/30/16 11:50	
EPA 8260	Tetrachloroethene	2960	ug/L	25.0	09/30/16 11:50	
EPA 8260	Trichloroethene	25200	ug/L	250	09/30/16 18:39	
EPA 8260	cis-1,2-Dichloroethene	14600	ug/L	250	09/30/16 18:39	
EPA 8260	trans-1,2-Dichloroethene	75.9	ug/L	25.0	09/30/16 11:50	
40138821007	GP-78					
EPA 8260	1,1,1-Trichloroethane	365	ug/L	4.0	10/03/16 11:24	
EPA 8260	1,1,2-Trichloroethane	3.7J	ug/L	4.0	10/03/16 11:24	
EPA 8260	1,1-Dichloroethane	10.8	ug/L	4.0	10/03/16 11:24	
EPA 8260	1,1-Dichloroethene	15.7	ug/L	4.0	10/03/16 11:24	
EPA 8260	1,2-Dichloropropane	1.7J	ug/L	4.0	10/03/16 11:24	
EPA 8260	Methylene Chloride	1.5J	ug/L	4.0	10/03/16 11:24	
EPA 8260	Tetrachloroethene	45.2	ug/L	4.0	10/03/16 11:24	
EPA 8260	Trichloroethene	243	ug/L	4.0	10/03/16 11:24	
EPA 8260	cis-1,2-Dichloroethene	117	ug/L	4.0	10/03/16 11:24	
EPA 8260	trans-1,2-Dichloroethene	1.8J	ug/L	4.0	10/03/16 11:24	

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138821008	GP-79					
EPA 8260	1,1,1-Trichloroethane	951	ug/L	25.0	10/04/16 08:54	
EPA 8260	1,1,2-Trichloroethane	18.1J	ug/L	25.0	10/04/16 08:54	
EPA 8260	1,1-Dichloroethane	46.2	ug/L	25.0	10/04/16 08:54	
EPA 8260	1,1-Dichloroethene	26.3	ug/L	25.0	10/04/16 08:54	
EPA 8260	Tetrachloroethene	1700	ug/L	25.0	10/04/16 08:54	
EPA 8260	Trichloroethene	794	ug/L	25.0	10/04/16 08:54	
EPA 8260	cis-1,2-Dichloroethene	167	ug/L	25.0	10/04/16 08:54	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 17-21 Lab ID: 40138821001 Collected: 09/20/16 11:00 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 11:06	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 11:06	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 11:06	79-00-5	
1,1-Dichloroethane	1.1	ug/L	1.0	0.24	1		09/30/16 11:06	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 11:06	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 11:06	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 11:06	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 11:06	120-82-1	
1,2,4-Trimethylbenzene	0.60J	ug/L	1.0	0.50	1		09/30/16 11:06	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 11:06	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 11:06	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 11:06	107-06-2	L3,M0
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 11:06	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 11:06	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 11:06	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 11:06	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 11:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 11:06	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		09/30/16 11:06	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 11:06	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 11:06	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 11:06	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	108-90-7	
Chloroethane	1.3	ug/L	1.0	0.37	1		09/30/16 11:06	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 11:06	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 11:06	74-95-3	
Dichlorodifluoromethane	0.30J	ug/L	1.0	0.22	1		09/30/16 11:06	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	108-20-3	
Ethylbenzene	1.0	ug/L	1.0	0.50	1		09/30/16 11:06	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 11:06	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 11:06	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 11:06	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 17-21 **Lab ID: 40138821001** Collected: 09/20/16 11:00 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 11:06	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 11:06	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	127-18-4	
Toluene	2.2	ug/L	1.0	0.50	1		09/30/16 11:06	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/30/16 11:06	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 11:06	75-69-4	
Vinyl chloride	0.50J	ug/L	1.0	0.18	1		09/30/16 11:06	75-01-4	
Xylene (Total)	4.0	ug/L	3.0	1.5	1		09/30/16 11:06	1330-20-7	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.26	1		09/30/16 11:06	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	10061-01-5	
m&p-Xylene	2.5	ug/L	2.0	1.0	1		09/30/16 11:06	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	103-65-1	
o-Xylene	1.5	ug/L	1.0	0.50	1		09/30/16 11:06	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 11:06	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 11:06	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 11:06	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 11:06	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 11:06	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		1		09/30/16 11:06	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/30/16 11:06	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		09/30/16 11:06	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 31-35 **Lab ID:** 40138821002 Collected: 09/20/16 11:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		10/03/16 11:02	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		10/03/16 11:02	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		10/03/16 11:02	79-00-5	
1,1-Dichloroethane	4.1J	ug/L	5.0	1.2	5		10/03/16 11:02	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		10/03/16 11:02	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		10/03/16 11:02	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		10/03/16 11:02	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		10/03/16 11:02	120-82-1	
1,2,4-Trimethylbenzene	3.7J	ug/L	5.0	2.5	5		10/03/16 11:02	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		10/03/16 11:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		10/03/16 11:02	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		10/03/16 11:02	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		10/03/16 11:02	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		10/03/16 11:02	594-20-7	
2-Butanone (MEK)	<14.9	ug/L	100	14.9	5		10/03/16 11:02	78-93-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	95-49-8	
2-Propanol	<122	ug/L	1250	122	5		10/03/16 11:02	67-63-0	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		10/03/16 11:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	<10.7	ug/L	25.0	10.7	5		10/03/16 11:02	108-10-1	
Acetone	<14.8	ug/L	100	14.8	5		10/03/16 11:02	67-64-1	
Benzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		10/03/16 11:02	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		10/03/16 11:02	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		10/03/16 11:02	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		10/03/16 11:02	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		10/03/16 11:02	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		10/03/16 11:02	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		10/03/16 11:02	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	108-20-3	
Ethylbenzene	322	ug/L	5.0	2.5	5		10/03/16 11:02	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		10/03/16 11:02	87-68-3	
Isopropylbenzene (Cumene)	1.8J	ug/L	5.0	0.72	5		10/03/16 11:02	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		10/03/16 11:02	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 31-35 **Lab ID: 40138821002** Collected: 09/20/16 11:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		10/03/16 11:02	75-09-2	
Naphthalene	<12.5	ug/L	25.0	12.5	5		10/03/16 11:02	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	127-18-4	
Toluene	10.8	ug/L	5.0	2.5	5		10/03/16 11:02	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		10/03/16 11:02	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		10/03/16 11:02	75-69-4	
Vinyl chloride	<0.88	ug/L	5.0	0.88	5		10/03/16 11:02	75-01-4	
Xylene (Total)	1140	ug/L	15.0	7.5	5		10/03/16 11:02	1330-20-7	
cis-1,2-Dichloroethene	4.9J	ug/L	5.0	1.3	5		10/03/16 11:02	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	10061-01-5	
m&p-Xylene	863	ug/L	10.0	5.0	5		10/03/16 11:02	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	104-51-8	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	103-65-1	
o-Xylene	279	ug/L	5.0	2.5	5		10/03/16 11:02	95-47-6	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		10/03/16 11:02	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		10/03/16 11:02	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		10/03/16 11:02	98-06-6	
trans-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		10/03/16 11:02	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		10/03/16 11:02	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		5		10/03/16 11:02	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		10/03/16 11:02	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		5		10/03/16 11:02	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 40-44 **Lab ID: 40138821003** Collected: 09/20/16 12:15 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 17:11	630-20-6	
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.50	1		09/30/16 17:11	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 17:11	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 17:11	79-00-5	
1,1-Dichloroethane	174	ug/L	1.0	0.24	1		09/30/16 17:11	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 17:11	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 17:11	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 17:11	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 17:11	120-82-1	
1,2,4-Trimethylbenzene	5.7	ug/L	1.0	0.50	1		09/30/16 17:11	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 17:11	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 17:11	106-93-4	
1,2-Dichlorobenzene	33.2	ug/L	1.0	0.50	1		09/30/16 17:11	95-50-1	
1,2-Dichloroethane	1.4	ug/L	1.0	0.17	1		09/30/16 17:11	107-06-2	L1
1,2-Dichloropropane	0.59J	ug/L	1.0	0.23	1		09/30/16 17:11	78-87-5	
1,3,5-Trimethylbenzene	15.1	ug/L	1.0	0.50	1		09/30/16 17:11	108-67-8	
1,3-Dichlorobenzene	0.95J	ug/L	1.0	0.50	1		09/30/16 17:11	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	142-28-9	
1,4-Dichlorobenzene	3.0	ug/L	1.0	0.50	1		09/30/16 17:11	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 17:11	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 17:11	78-93-3	
2-Chlorotoluene	2.7	ug/L	1.0	0.50	1		09/30/16 17:11	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 17:11	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 17:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 17:11	108-10-1	
Acetone	9.9J	ug/L	20.0	3.0	1		09/30/16 17:11	67-64-1	
Benzene	2.1	ug/L	1.0	0.50	1		09/30/16 17:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 17:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 17:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 17:11	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	56-23-5	
Chlorobenzene	3.1	ug/L	1.0	0.50	1		09/30/16 17:11	108-90-7	
Chloroethane	1.7	ug/L	1.0	0.37	1		09/30/16 17:11	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 17:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 17:11	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 17:11	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	108-20-3	
Ethylbenzene	19.1	ug/L	1.0	0.50	1		09/30/16 17:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 17:11	87-68-3	
Isopropylbenzene (Cumene)	0.24J	ug/L	1.0	0.14	1		09/30/16 17:11	98-82-8	
Methyl-tert-butyl ether	0.18J	ug/L	1.0	0.17	1		09/30/16 17:11	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 40-44 **Lab ID: 40138821003** Collected: 09/20/16 12:15 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 17:11	75-09-2	
Naphthalene	2.5J	ug/L	5.0	2.5	1		09/30/16 17:11	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	127-18-4	
Toluene	29.5	ug/L	1.0	0.50	1		09/30/16 17:11	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.33	1		09/30/16 17:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 17:11	75-69-4	
Vinyl chloride	7.3	ug/L	1.0	0.18	1		09/30/16 17:11	75-01-4	
Xylene (Total)	44.9	ug/L	3.0	1.5	1		09/30/16 17:11	1330-20-7	
cis-1,2-Dichloroethene	6.2	ug/L	1.0	0.26	1		09/30/16 17:11	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	10061-01-5	
m&p-Xylene	27.3	ug/L	2.0	1.0	1		09/30/16 17:11	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	103-65-1	
o-Xylene	17.6	ug/L	1.0	0.50	1		09/30/16 17:11	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:11	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 17:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 17:11	98-06-6	
trans-1,2-Dichloroethene	1.7	ug/L	1.0	0.26	1		09/30/16 17:11	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 17:11	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		1		09/30/16 17:11	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/30/16 17:11	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		09/30/16 17:11	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 46-50 **Lab ID: 40138821004** Collected: 09/20/16 12:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<22.6	ug/L	125	22.6	125		09/30/16 11:28	630-20-6	
1,1,1-Trichloroethane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	71-55-6	
1,1,2,2-Tetrachloroethane	<31.2	ug/L	125	31.2	125		09/30/16 11:28	79-34-5	
1,1,2-Trichloroethane	<24.7	ug/L	125	24.7	125		09/30/16 11:28	79-00-5	
1,1-Dichloroethane	872	ug/L	125	30.2	125		09/30/16 11:28	75-34-3	
1,1-Dichloroethene	<51.3	ug/L	125	51.3	125		09/30/16 11:28	75-35-4	
1,1-Dichloropropene	<55.1	ug/L	125	55.1	125		09/30/16 11:28	563-58-6	
1,2,3-Trichlorobenzene	<267	ug/L	625	267	125		09/30/16 11:28	87-61-6	
1,2,3-Trichloropropane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	96-18-4	
1,2,4-Trichlorobenzene	<276	ug/L	625	276	125		09/30/16 11:28	120-82-1	
1,2,4-Trimethylbenzene	69.6J	ug/L	125	62.5	125		09/30/16 11:28	95-63-6	
1,2-Dibromo-3-chloropropane	<271	ug/L	625	271	125		09/30/16 11:28	96-12-8	
1,2-Dibromoethane (EDB)	<22.2	ug/L	125	22.2	125		09/30/16 11:28	106-93-4	
1,2-Dichlorobenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	95-50-1	
1,2-Dichloroethane	<21.0	ug/L	125	21.0	125		09/30/16 11:28	107-06-2	L3
1,2-Dichloropropane	<29.1	ug/L	125	29.1	125		09/30/16 11:28	78-87-5	
1,3,5-Trimethylbenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	108-67-8	
1,3-Dichlorobenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	541-73-1	
1,3-Dichloropropane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	142-28-9	
1,4-Dichlorobenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	106-46-7	
2,2-Dichloropropane	<60.5	ug/L	125	60.5	125		09/30/16 11:28	594-20-7	
2-Butanone (MEK)	<372	ug/L	2500	372	125		09/30/16 11:28	78-93-3	
2-Chlorotoluene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	95-49-8	
2-Propanol	<3040	ug/L	31200	3040	125		09/30/16 11:28	67-63-0	
4-Chlorotoluene	<26.7	ug/L	125	26.7	125		09/30/16 11:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	<268	ug/L	625	268	125		09/30/16 11:28	108-10-1	
Acetone	<369	ug/L	2500	369	125		09/30/16 11:28	67-64-1	
Benzene	70.6J	ug/L	125	62.5	125		09/30/16 11:28	71-43-2	
Bromobenzene	<28.8	ug/L	125	28.8	125		09/30/16 11:28	108-86-1	
Bromochloromethane	<42.5	ug/L	125	42.5	125		09/30/16 11:28	74-97-5	
Bromodichloromethane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	75-27-4	
Bromoform	<62.5	ug/L	125	62.5	125		09/30/16 11:28	75-25-2	
Bromomethane	<304	ug/L	625	304	125		09/30/16 11:28	74-83-9	
Carbon tetrachloride	<62.5	ug/L	125	62.5	125		09/30/16 11:28	56-23-5	
Chlorobenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	108-90-7	
Chloroethane	450	ug/L	125	46.8	125		09/30/16 11:28	75-00-3	
Chloroform	<312	ug/L	625	312	125		09/30/16 11:28	67-66-3	
Chloromethane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	74-87-3	
Dibromochloromethane	<62.5	ug/L	125	62.5	125		09/30/16 11:28	124-48-1	
Dibromomethane	<53.3	ug/L	125	53.3	125		09/30/16 11:28	74-95-3	
Dichlorodifluoromethane	<28.0	ug/L	125	28.0	125		09/30/16 11:28	75-71-8	
Diisopropyl ether	<62.5	ug/L	125	62.5	125		09/30/16 11:28	108-20-3	
Ethylbenzene	1880	ug/L	125	62.5	125		09/30/16 11:28	100-41-4	
Hexachloro-1,3-butadiene	<263	ug/L	625	263	125		09/30/16 11:28	87-68-3	
Isopropylbenzene (Cumene)	<17.9	ug/L	125	17.9	125		09/30/16 11:28	98-82-8	
Methyl-tert-butyl ether	<21.8	ug/L	125	21.8	125		09/30/16 11:28	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-75 46-50 **Lab ID: 40138821004** Collected: 09/20/16 12:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<29.1	ug/L	125	29.1	125		09/30/16 11:28	75-09-2	
Naphthalene	<312	ug/L	625	312	125		09/30/16 11:28	91-20-3	
Styrene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	100-42-5	
Tetrachloroethene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	127-18-4	
Toluene	20400	ug/L	125	62.5	125		09/30/16 11:28	108-88-3	
Trichloroethene	<41.3	ug/L	125	41.3	125		09/30/16 11:28	79-01-6	
Trichlorofluoromethane	<23.1	ug/L	125	23.1	125		09/30/16 11:28	75-69-4	
Vinyl chloride	210	ug/L	125	21.9	125		09/30/16 11:28	75-01-4	
Xylene (Total)	3050	ug/L	375	188	125		09/30/16 11:28	1330-20-7	
cis-1,2-Dichloroethene	548	ug/L	125	32.0	125		09/30/16 11:28	156-59-2	
cis-1,3-Dichloropropene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	10061-01-5	
m&p-Xylene	2310	ug/L	250	125	125		09/30/16 11:28	179601-23-1	
n-Butylbenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	104-51-8	
n-Propylbenzene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	103-65-1	
o-Xylene	730	ug/L	125	62.5	125		09/30/16 11:28	95-47-6	
p-Isopropyltoluene	<62.5	ug/L	125	62.5	125		09/30/16 11:28	99-87-6	
sec-Butylbenzene	<273	ug/L	625	273	125		09/30/16 11:28	135-98-8	
tert-Butylbenzene	<22.5	ug/L	125	22.5	125		09/30/16 11:28	98-06-6	
trans-1,2-Dichloroethene	<32.1	ug/L	125	32.1	125		09/30/16 11:28	156-60-5	
trans-1,3-Dichloropropene	<28.7	ug/L	125	28.7	125		09/30/16 11:28	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		125		09/30/16 11:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		125		09/30/16 11:28	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		125		09/30/16 11:28	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-76 **Lab ID: 40138821005** Collected: 09/20/16 16:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 17:33	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 17:33	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 17:33	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/30/16 17:33	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 17:33	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 17:33	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 17:33	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 17:33	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 17:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 17:33	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 17:33	107-06-2	L3
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 17:33	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 17:33	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 17:33	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 17:33	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 17:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 17:33	108-10-1	
Acetone	15.6J	ug/L	20.0	3.0	1		09/30/16 17:33	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 17:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 17:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 17:33	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 17:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 17:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 17:33	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 17:33	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 17:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 17:33	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 17:33	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-76 **Lab ID: 40138821005** Collected: 09/20/16 16:30 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 17:33	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 17:33	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	100-42-5	
Tetrachloroethene	14.3	ug/L	1.0	0.50	1		09/30/16 17:33	127-18-4	
Toluene	0.56J	ug/L	1.0	0.50	1		09/30/16 17:33	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/30/16 17:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 17:33	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/30/16 17:33	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		09/30/16 17:33	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 17:33	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/30/16 17:33	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 17:33	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 17:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 17:33	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 17:33	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 17:33	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		1		09/30/16 17:33	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/30/16 17:33	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		09/30/16 17:33	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-77 **Lab ID: 40138821006** Collected: 09/21/16 08:04 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<4.5	ug/L	25.0	4.5	25		09/30/16 11:50	630-20-6	
1,1,1-Trichloroethane	34900	ug/L	250	125	250		09/30/16 18:39	71-55-6	
1,1,2,2-Tetrachloroethane	<6.2	ug/L	25.0	6.2	25		09/30/16 11:50	79-34-5	
1,1,2-Trichloroethane	746	ug/L	25.0	4.9	25		09/30/16 11:50	79-00-5	
1,1-Dichloroethane	979	ug/L	25.0	6.0	25		09/30/16 11:50	75-34-3	
1,1-Dichloroethene	1240	ug/L	25.0	10.3	25		09/30/16 11:50	75-35-4	
1,1-Dichloropropene	<11.0	ug/L	25.0	11.0	25		09/30/16 11:50	563-58-6	
1,2,3-Trichlorobenzene	<53.3	ug/L	125	53.3	25		09/30/16 11:50	87-61-6	
1,2,3-Trichloropropane	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	96-18-4	
1,2,4-Trichlorobenzene	<55.2	ug/L	125	55.2	25		09/30/16 11:50	120-82-1	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	95-63-6	
1,2-Dibromo-3-chloropropane	<54.1	ug/L	125	54.1	25		09/30/16 11:50	96-12-8	
1,2-Dibromoethane (EDB)	<4.4	ug/L	25.0	4.4	25		09/30/16 11:50	106-93-4	
1,2-Dichlorobenzene	25.9	ug/L	25.0	12.5	25		09/30/16 11:50	95-50-1	
1,2-Dichloroethane	127	ug/L	25.0	4.2	25		09/30/16 11:50	107-06-2	L1
1,2-Dichloropropane	336	ug/L	25.0	5.8	25		09/30/16 11:50	78-87-5	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	108-67-8	
1,3-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	541-73-1	
1,3-Dichloropropane	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	142-28-9	
1,4-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	106-46-7	
2,2-Dichloropropane	<12.1	ug/L	25.0	12.1	25		09/30/16 11:50	594-20-7	
2-Butanone (MEK)	<74.5	ug/L	500	74.5	25		09/30/16 11:50	78-93-3	
2-Chlorotoluene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	95-49-8	
2-Propanol	<609	ug/L	6250	609	25		09/30/16 11:50	67-63-0	
4-Chlorotoluene	<5.3	ug/L	25.0	5.3	25		09/30/16 11:50	106-43-4	
4-Methyl-2-pentanone (MIBK)	<53.5	ug/L	125	53.5	25		09/30/16 11:50	108-10-1	
Acetone	<73.8	ug/L	500	73.8	25		09/30/16 11:50	67-64-1	
Benzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	71-43-2	
Bromobenzene	<5.8	ug/L	25.0	5.8	25		09/30/16 11:50	108-86-1	
Bromochloromethane	<8.5	ug/L	25.0	8.5	25		09/30/16 11:50	74-97-5	
Bromodichloromethane	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	75-27-4	
Bromoform	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	75-25-2	
Bromomethane	<60.9	ug/L	125	60.9	25		09/30/16 11:50	74-83-9	
Carbon tetrachloride	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	56-23-5	
Chlorobenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	108-90-7	
Chloroethane	<9.4	ug/L	25.0	9.4	25		09/30/16 11:50	75-00-3	
Chloroform	118J	ug/L	125	62.5	25		09/30/16 11:50	67-66-3	
Chloromethane	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	74-87-3	
Dibromochloromethane	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	124-48-1	
Dibromomethane	<10.7	ug/L	25.0	10.7	25		09/30/16 11:50	74-95-3	
Dichlorodifluoromethane	<5.6	ug/L	25.0	5.6	25		09/30/16 11:50	75-71-8	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	100-41-4	
Hexachloro-1,3-butadiene	<52.6	ug/L	125	52.6	25		09/30/16 11:50	87-68-3	
Isopropylbenzene (Cumene)	<3.6	ug/L	25.0	3.6	25		09/30/16 11:50	98-82-8	
Methyl-tert-butyl ether	8.0J	ug/L	25.0	4.4	25		09/30/16 11:50	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-77 **Lab ID: 40138821006** Collected: 09/21/16 08:04 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	25.5	ug/L	25.0	5.8	25		09/30/16 11:50	75-09-2	
Naphthalene	<62.5	ug/L	125	62.5	25		09/30/16 11:50	91-20-3	
Styrene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	100-42-5	
Tetrachloroethene	2960	ug/L	25.0	12.5	25		09/30/16 11:50	127-18-4	
Toluene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	108-88-3	
Trichloroethene	25200	ug/L	250	82.7	250		09/30/16 18:39	79-01-6	
Trichlorofluoromethane	<4.6	ug/L	25.0	4.6	25		09/30/16 11:50	75-69-4	
Vinyl chloride	<4.4	ug/L	25.0	4.4	25		09/30/16 11:50	75-01-4	
Xylene (Total)	<37.5	ug/L	75.0	37.5	25		09/30/16 11:50	1330-20-7	
cis-1,2-Dichloroethene	14600	ug/L	250	64.0	250		09/30/16 18:39	156-59-2	
cis-1,3-Dichloropropene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	10061-01-5	
m&p-Xylene	<25.0	ug/L	50.0	25.0	25		09/30/16 11:50	179601-23-1	
n-Butylbenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	104-51-8	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	103-65-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	95-47-6	
p-Isopropyltoluene	<12.5	ug/L	25.0	12.5	25		09/30/16 11:50	99-87-6	
sec-Butylbenzene	<54.7	ug/L	125	54.7	25		09/30/16 11:50	135-98-8	
tert-Butylbenzene	<4.5	ug/L	25.0	4.5	25		09/30/16 11:50	98-06-6	
trans-1,2-Dichloroethene	75.9	ug/L	25.0	6.4	25		09/30/16 11:50	156-60-5	
trans-1,3-Dichloropropene	<5.7	ug/L	25.0	5.7	25		09/30/16 11:50	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	119	%	70-130		25		09/30/16 11:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		25		09/30/16 11:50	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		25		09/30/16 11:50	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-78 **Lab ID: 40138821007** Collected: 09/21/16 09:20 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		10/03/16 11:24	630-20-6	
1,1,1-Trichloroethane	365	ug/L	4.0	2.0	4		10/03/16 11:24	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		10/03/16 11:24	79-34-5	
1,1,2-Trichloroethane	3.7J	ug/L	4.0	0.79	4		10/03/16 11:24	79-00-5	
1,1-Dichloroethane	10.8	ug/L	4.0	0.97	4		10/03/16 11:24	75-34-3	
1,1-Dichloroethene	15.7	ug/L	4.0	1.6	4		10/03/16 11:24	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		10/03/16 11:24	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		10/03/16 11:24	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		10/03/16 11:24	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		10/03/16 11:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		10/03/16 11:24	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	95-50-1	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		10/03/16 11:24	107-06-2	
1,2-Dichloropropane	1.7J	ug/L	4.0	0.93	4		10/03/16 11:24	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		10/03/16 11:24	594-20-7	
2-Butanone (MEK)	<11.9	ug/L	80.0	11.9	4		10/03/16 11:24	78-93-3	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	95-49-8	
2-Propanol	<97.4	ug/L	1000	97.4	4		10/03/16 11:24	67-63-0	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		10/03/16 11:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<8.6	ug/L	20.0	8.6	4		10/03/16 11:24	108-10-1	
Acetone	<11.8	ug/L	80.0	11.8	4		10/03/16 11:24	67-64-1	
Benzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		10/03/16 11:24	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		10/03/16 11:24	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		10/03/16 11:24	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	108-90-7	
Chloroethane	<1.5	ug/L	4.0	1.5	4		10/03/16 11:24	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		10/03/16 11:24	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		10/03/16 11:24	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		10/03/16 11:24	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		10/03/16 11:24	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		10/03/16 11:24	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		10/03/16 11:24	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-78 **Lab ID: 40138821007** Collected: 09/21/16 09:20 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	1.5J	ug/L	4.0	0.93	4		10/03/16 11:24	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		10/03/16 11:24	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	100-42-5	
Tetrachloroethene	45.2	ug/L	4.0	2.0	4		10/03/16 11:24	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	108-88-3	
Trichloroethene	243	ug/L	4.0	1.3	4		10/03/16 11:24	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		10/03/16 11:24	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		10/03/16 11:24	75-01-4	
Xylene (Total)	<6.0	ug/L	12.0	6.0	4		10/03/16 11:24	1330-20-7	
cis-1,2-Dichloroethene	117	ug/L	4.0	1.0	4		10/03/16 11:24	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		10/03/16 11:24	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		10/03/16 11:24	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		10/03/16 11:24	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		10/03/16 11:24	98-06-6	
trans-1,2-Dichloroethene	1.8J	ug/L	4.0	1.0	4		10/03/16 11:24	156-60-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		10/03/16 11:24	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		4		10/03/16 11:24	1868-53-7	
Toluene-d8 (S)	97	%	70-130		4		10/03/16 11:24	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		4		10/03/16 11:24	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-79 **Lab ID: 40138821008** Collected: 09/21/16 10:25 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<4.5	ug/L	25.0	4.5	25		10/04/16 08:54	630-20-6	
1,1,1-Trichloroethane	951	ug/L	25.0	12.5	25		10/04/16 08:54	71-55-6	
1,1,2,2-Tetrachloroethane	<6.2	ug/L	25.0	6.2	25		10/04/16 08:54	79-34-5	
1,1,2-Trichloroethane	18.1J	ug/L	25.0	4.9	25		10/04/16 08:54	79-00-5	
1,1-Dichloroethane	46.2	ug/L	25.0	6.0	25		10/04/16 08:54	75-34-3	
1,1-Dichloroethene	26.3	ug/L	25.0	10.3	25		10/04/16 08:54	75-35-4	
1,1-Dichloropropene	<11.0	ug/L	25.0	11.0	25		10/04/16 08:54	563-58-6	
1,2,3-Trichlorobenzene	<53.3	ug/L	125	53.3	25		10/04/16 08:54	87-61-6	
1,2,3-Trichloropropane	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	96-18-4	
1,2,4-Trichlorobenzene	<55.2	ug/L	125	55.2	25		10/04/16 08:54	120-82-1	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	95-63-6	
1,2-Dibromo-3-chloropropane	<54.1	ug/L	125	54.1	25		10/04/16 08:54	96-12-8	
1,2-Dibromoethane (EDB)	<4.4	ug/L	25.0	4.4	25		10/04/16 08:54	106-93-4	
1,2-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	95-50-1	
1,2-Dichloroethane	<4.2	ug/L	25.0	4.2	25		10/04/16 08:54	107-06-2	L3
1,2-Dichloropropane	<5.8	ug/L	25.0	5.8	25		10/04/16 08:54	78-87-5	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	108-67-8	
1,3-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	541-73-1	
1,3-Dichloropropane	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	142-28-9	
1,4-Dichlorobenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	106-46-7	
2,2-Dichloropropane	<12.1	ug/L	25.0	12.1	25		10/04/16 08:54	594-20-7	
2-Butanone (MEK)	<74.5	ug/L	500	74.5	25		10/04/16 08:54	78-93-3	
2-Chlorotoluene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	95-49-8	
2-Propanol	<609	ug/L	6250	609	25		10/04/16 08:54	67-63-0	
4-Chlorotoluene	<5.3	ug/L	25.0	5.3	25		10/04/16 08:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	<53.5	ug/L	125	53.5	25		10/04/16 08:54	108-10-1	
Acetone	<73.8	ug/L	500	73.8	25		10/04/16 08:54	67-64-1	
Benzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	71-43-2	
Bromobenzene	<5.8	ug/L	25.0	5.8	25		10/04/16 08:54	108-86-1	
Bromochloromethane	<8.5	ug/L	25.0	8.5	25		10/04/16 08:54	74-97-5	
Bromodichloromethane	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	75-27-4	
Bromoform	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	75-25-2	
Bromomethane	<60.9	ug/L	125	60.9	25		10/04/16 08:54	74-83-9	
Carbon tetrachloride	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	56-23-5	
Chlorobenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	108-90-7	
Chloroethane	<9.4	ug/L	25.0	9.4	25		10/04/16 08:54	75-00-3	
Chloroform	<62.5	ug/L	125	62.5	25		10/04/16 08:54	67-66-3	
Chloromethane	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	74-87-3	
Dibromochloromethane	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	124-48-1	
Dibromomethane	<10.7	ug/L	25.0	10.7	25		10/04/16 08:54	74-95-3	
Dichlorodifluoromethane	<5.6	ug/L	25.0	5.6	25		10/04/16 08:54	75-71-8	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	100-41-4	
Hexachloro-1,3-butadiene	<52.6	ug/L	125	52.6	25		10/04/16 08:54	87-68-3	
Isopropylbenzene (Cumene)	<3.6	ug/L	25.0	3.6	25		10/04/16 08:54	98-82-8	
Methyl-tert-butyl ether	<4.4	ug/L	25.0	4.4	25		10/04/16 08:54	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: GP-79 **Lab ID: 40138821008** Collected: 09/21/16 10:25 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<5.8	ug/L	25.0	5.8	25		10/04/16 08:54	75-09-2	
Naphthalene	<62.5	ug/L	125	62.5	25		10/04/16 08:54	91-20-3	
Styrene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	100-42-5	
Tetrachloroethene	1700	ug/L	25.0	12.5	25		10/04/16 08:54	127-18-4	
Toluene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	108-88-3	
Trichloroethene	794	ug/L	25.0	8.3	25		10/04/16 08:54	79-01-6	
Trichlorofluoromethane	<4.6	ug/L	25.0	4.6	25		10/04/16 08:54	75-69-4	
Vinyl chloride	<4.4	ug/L	25.0	4.4	25		10/04/16 08:54	75-01-4	
Xylene (Total)	<37.5	ug/L	75.0	37.5	25		10/04/16 08:54	1330-20-7	
cis-1,2-Dichloroethene	167	ug/L	25.0	6.4	25		10/04/16 08:54	156-59-2	
cis-1,3-Dichloropropene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	10061-01-5	
m&p-Xylene	<25.0	ug/L	50.0	25.0	25		10/04/16 08:54	179601-23-1	
n-Butylbenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	104-51-8	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	103-65-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	95-47-6	
p-Isopropyltoluene	<12.5	ug/L	25.0	12.5	25		10/04/16 08:54	99-87-6	
sec-Butylbenzene	<54.7	ug/L	125	54.7	25		10/04/16 08:54	135-98-8	
tert-Butylbenzene	<4.5	ug/L	25.0	4.5	25		10/04/16 08:54	98-06-6	
trans-1,2-Dichloroethene	<6.4	ug/L	25.0	6.4	25		10/04/16 08:54	156-60-5	
trans-1,3-Dichloropropene	<5.7	ug/L	25.0	5.7	25		10/04/16 08:54	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		25		10/04/16 08:54	1868-53-7	
Toluene-d8 (S)	96	%	70-130		25		10/04/16 08:54	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		25		10/04/16 08:54	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: TRIP BLANK **Lab ID: 40138821009** Collected: 09/21/16 00:00 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/30/16 10:44	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/30/16 10:44	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/30/16 10:44	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/30/16 10:44	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/30/16 10:44	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/30/16 10:44	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/30/16 10:44	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 10:44	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/30/16 10:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/30/16 10:44	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/30/16 10:44	107-06-2	L3
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/30/16 10:44	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/30/16 10:44	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		09/30/16 10:44	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		09/30/16 10:44	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/30/16 10:44	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		09/30/16 10:44	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		09/30/16 10:44	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/30/16 10:44	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/30/16 10:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/30/16 10:44	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/30/16 10:44	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/30/16 10:44	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/30/16 10:44	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/30/16 10:44	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/30/16 10:44	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/30/16 10:44	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/30/16 10:44	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138821

Sample: TRIP BLANK **Lab ID: 40138821009** Collected: 09/21/16 00:00 Received: 09/22/16 07:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/30/16 10:44	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/30/16 10:44	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/30/16 10:44	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/30/16 10:44	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/30/16 10:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		09/30/16 10:44	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 10:44	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/30/16 10:44	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/30/16 10:44	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/30/16 10:44	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/30/16 10:44	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/30/16 10:44	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/30/16 10:44	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		1		09/30/16 10:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/30/16 10:44	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		09/30/16 10:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

QC Batch: 236097 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138821001, 40138821003, 40138821004, 40138821005, 40138821006, 40138821009

METHOD BLANK: 1400247 Matrix: Water
Associated Lab Samples: 40138821001, 40138821003, 40138821004, 40138821005, 40138821006, 40138821009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/30/16 06:20	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/30/16 06:20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/30/16 06:20	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/30/16 06:20	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/30/16 06:20	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/30/16 06:20	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/30/16 06:20	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/30/16 06:20	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/30/16 06:20	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/30/16 06:20	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/30/16 06:20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/30/16 06:20	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/30/16 06:20	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/30/16 06:20	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/30/16 06:20	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/30/16 06:20	
2-Butanone (MEK)	ug/L	<3.0	20.0	09/30/16 06:20	
2-Chlorotoluene	ug/L	<0.50	1.0	09/30/16 06:20	
2-Propanol	ug/L	<24.3	250	09/30/16 06:20	
4-Chlorotoluene	ug/L	<0.21	1.0	09/30/16 06:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	09/30/16 06:20	
Acetone	ug/L	<3.0	20.0	09/30/16 06:20	
Benzene	ug/L	<0.50	1.0	09/30/16 06:20	
Bromobenzene	ug/L	<0.23	1.0	09/30/16 06:20	
Bromochloromethane	ug/L	<0.34	1.0	09/30/16 06:20	
Bromodichloromethane	ug/L	<0.50	1.0	09/30/16 06:20	
Bromoform	ug/L	<0.50	1.0	09/30/16 06:20	
Bromomethane	ug/L	<2.4	5.0	09/30/16 06:20	
Carbon tetrachloride	ug/L	<0.50	1.0	09/30/16 06:20	
Chlorobenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Chloroethane	ug/L	<0.37	1.0	09/30/16 06:20	
Chloroform	ug/L	<2.5	5.0	09/30/16 06:20	
Chloromethane	ug/L	<0.50	1.0	09/30/16 06:20	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 06:20	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/30/16 06:20	
Dibromochloromethane	ug/L	<0.50	1.0	09/30/16 06:20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

METHOD BLANK: 1400247

Matrix: Water

Associated Lab Samples: 40138821001, 40138821003, 40138821004, 40138821005, 40138821006, 40138821009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	09/30/16 06:20	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/30/16 06:20	
Diisopropyl ether	ug/L	<0.50	1.0	09/30/16 06:20	
Ethylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/30/16 06:20	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/30/16 06:20	
m&p-Xylene	ug/L	<1.0	2.0	09/30/16 06:20	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/30/16 06:20	
Methylene Chloride	ug/L	<0.23	1.0	09/30/16 06:20	
n-Butylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
n-Propylbenzene	ug/L	<0.50	1.0	09/30/16 06:20	
Naphthalene	ug/L	<2.5	5.0	09/30/16 06:20	
o-Xylene	ug/L	<0.50	1.0	09/30/16 06:20	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/30/16 06:20	
sec-Butylbenzene	ug/L	<2.2	5.0	09/30/16 06:20	
Styrene	ug/L	<0.50	1.0	09/30/16 06:20	
tert-Butylbenzene	ug/L	<0.18	1.0	09/30/16 06:20	
Tetrachloroethene	ug/L	<0.50	1.0	09/30/16 06:20	
Toluene	ug/L	<0.50	1.0	09/30/16 06:20	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 06:20	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/30/16 06:20	
Trichloroethene	ug/L	<0.33	1.0	09/30/16 06:20	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/30/16 06:20	
Vinyl chloride	ug/L	<0.18	1.0	09/30/16 06:20	
Xylene (Total)	ug/L	<1.5	3.0	09/30/16 06:20	
4-Bromofluorobenzene (S)	%	91	70-130	09/30/16 06:20	
Dibromofluoromethane (S)	%	112	70-130	09/30/16 06:20	
Toluene-d8 (S)	%	100	70-130	09/30/16 06:20	

LABORATORY CONTROL SAMPLE: 1400248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.7	107	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	67-130	
1,1,2-Trichloroethane	ug/L	50	56.8	114	70-130	
1,1-Dichloroethane	ug/L	50	57.8	116	70-133	
1,1-Dichloroethene	ug/L	50	40.4	81	70-130	
1,2,4-Trichlorobenzene	ug/L	50	39.1	78	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	66.7	133	70-130	L0
1,2-Dichloropropane	ug/L	50	62.2	124	70-130	
1,3-Dichlorobenzene	ug/L	50	46.9	94	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138821

LABORATORY CONTROL SAMPLE: 1400248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	47.3	95	70-130	
Benzene	ug/L	50	61.4	123	60-135	
Bromodichloromethane	ug/L	50	62.1	124	70-130	
Bromoform	ug/L	50	47.3	95	70-130	
Bromomethane	ug/L	50	31.5	63	33-130	
Carbon tetrachloride	ug/L	50	53.0	106	70-138	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	40.2	80	51-130	
Chloroform	ug/L	50	59.3	119	70-130	
Chloromethane	ug/L	50	33.1	66	25-132	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	69-130	
cis-1,3-Dichloropropene	ug/L	50	57.0	114	70-130	
Dibromochloromethane	ug/L	50	49.6	99	70-130	
Dichlorodifluoromethane	ug/L	50	34.7	69	23-130	
Ethylbenzene	ug/L	50	55.5	111	70-136	
Isopropylbenzene (Cumene)	ug/L	50	57.3	115	70-140	
m&p-Xylene	ug/L	100	115	115	70-138	
Methyl-tert-butyl ether	ug/L	50	53.5	107	66-138	
Methylene Chloride	ug/L	50	49.8	100	70-130	
o-Xylene	ug/L	50	53.5	107	70-134	
Styrene	ug/L	50	56.1	112	70-133	
Tetrachloroethene	ug/L	50	46.6	93	70-138	
Toluene	ug/L	50	51.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.7	93	70-131	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	69-130	
Trichloroethene	ug/L	50	57.2	114	70-130	
Trichlorofluoromethane	ug/L	50	47.0	94	50-150	
Vinyl chloride	ug/L	50	42.7	85	49-130	
Xylene (Total)	ug/L	150	169	113	70-135	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402297 1402298

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40138821001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	58.3	57.4	116	114	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	53.9	54.3	108	109	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.8	54.4	108	109	70-130	1	20	
1,1-Dichloroethane	ug/L	1.1	50	50	63.2	59.5	124	117	70-134	6	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	43.0	41.9	86	84	68-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	42.1	41.8	84	84	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.5	50.0	93	100	50-150	7	20	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1402297		1402298									
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40138821001	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.0	52.8	102	106	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.1	103	102	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	68.5	68.3	137	137	70-130	0	20	MO	
1,2-Dichloropropane	ug/L	<0.23	50	50	60.1	63.1	120	126	70-130	5	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.4	47.0	99	94	70-131	5	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.9	48.0	102	96	70-130	6	20		
Benzene	ug/L	<0.50	50	50	63.8	62.5	128	125	57-138	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	60.9	62.2	122	124	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	45.2	48.9	90	98	70-130	8	20		
Bromomethane	ug/L	<2.4	50	50	36.7	38.9	73	78	33-130	6	27		
Carbon tetrachloride	ug/L	<0.50	50	50	55.0	55.6	110	111	70-138	1	20		
Chlorobenzene	ug/L	<0.50	50	50	51.3	52.4	103	105	70-130	2	20		
Chloroethane	ug/L	1.3	50	50	42.9	43.0	83	83	51-130	0	20		
Chloroform	ug/L	<2.5	50	50	63.0	63.0	126	126	70-130	0	20		
Chloromethane	ug/L	<0.50	50	50	35.7	33.7	71	67	25-132	6	20		
cis-1,2-Dichloroethene	ug/L	1.8	50	50	55.9	53.9	108	104	61-140	4	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	57.5	59.2	115	118	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	50.4	51.0	101	102	70-130	1	20		
Dichlorodifluoromethane	ug/L	0.30J	50	50	37.0	36.1	73	72	23-130	3	20		
Ethylbenzene	ug/L	1.0	50	50	54.6	56.1	107	110	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.3	59.4	113	119	70-152	5	20		
m&p-Xylene	ug/L	2.5	100	100	114	120	112	117	70-140	5	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	56.0	55.7	112	111	66-139	0	20		
Methylene Chloride	ug/L	<0.23	50	50	51.1	48.5	102	97	70-130	5	20		
o-Xylene	ug/L	1.5	50	50	53.3	56.8	104	111	70-134	6	20		
Styrene	ug/L	<0.50	50	50	55.7	58.1	111	116	70-138	4	20		
Tetrachloroethene	ug/L	<0.50	50	50	44.2	46.7	88	93	70-148	6	20		
Toluene	ug/L	2.2	50	50	53.9	56.1	103	108	70-130	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.4	46.9	95	94	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	52.2	53.7	104	107	69-130	3	20		
Trichloroethene	ug/L	<0.33	50	50	53.9	55.4	108	111	70-131	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	49.2	50.1	98	100	50-150	2	20		
Vinyl chloride	ug/L	0.50J	50	50	44.5	44.2	88	87	49-133	1	20		
Xylene (Total)	ug/L	4.0	150	150	167	176	109	115	70-135	5	20		
4-Bromofluorobenzene (S)	%						99	103	70-130				
Dibromofluoromethane (S)	%						112	110	70-130				
Toluene-d8 (S)	%						95	98	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138821

QC Batch: 236878 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138821008

METHOD BLANK: 1404387 Matrix: Water
Associated Lab Samples: 40138821008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/04/16 05:58	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/04/16 05:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/04/16 05:58	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/04/16 05:58	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/04/16 05:58	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/04/16 05:58	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/04/16 05:58	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/04/16 05:58	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/04/16 05:58	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/04/16 05:58	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/04/16 05:58	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/04/16 05:58	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/04/16 05:58	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/04/16 05:58	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/04/16 05:58	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/04/16 05:58	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/04/16 05:58	
2-Chlorotoluene	ug/L	<0.50	1.0	10/04/16 05:58	
2-Propanol	ug/L	<24.3	250	10/04/16 05:58	
4-Chlorotoluene	ug/L	<0.21	1.0	10/04/16 05:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/04/16 05:58	
Acetone	ug/L	<3.0	20.0	10/04/16 05:58	
Benzene	ug/L	<0.50	1.0	10/04/16 05:58	
Bromobenzene	ug/L	<0.23	1.0	10/04/16 05:58	
Bromochloromethane	ug/L	<0.34	1.0	10/04/16 05:58	
Bromodichloromethane	ug/L	<0.50	1.0	10/04/16 05:58	
Bromoform	ug/L	<0.50	1.0	10/04/16 05:58	
Bromomethane	ug/L	<2.4	5.0	10/04/16 05:58	
Carbon tetrachloride	ug/L	<0.50	1.0	10/04/16 05:58	
Chlorobenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Chloroethane	ug/L	<0.37	1.0	10/04/16 05:58	
Chloroform	ug/L	<2.5	5.0	10/04/16 05:58	
Chloromethane	ug/L	<0.50	1.0	10/04/16 05:58	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 05:58	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/04/16 05:58	
Dibromochloromethane	ug/L	<0.50	1.0	10/04/16 05:58	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

METHOD BLANK: 1404387

Matrix: Water

Associated Lab Samples: 40138821008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	10/04/16 05:58	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/04/16 05:58	
Diisopropyl ether	ug/L	<0.50	1.0	10/04/16 05:58	
Ethylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/04/16 05:58	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/04/16 05:58	
m&p-Xylene	ug/L	<1.0	2.0	10/04/16 05:58	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/04/16 05:58	
Methylene Chloride	ug/L	<0.23	1.0	10/04/16 05:58	
n-Butylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
n-Propylbenzene	ug/L	<0.50	1.0	10/04/16 05:58	
Naphthalene	ug/L	<2.5	5.0	10/04/16 05:58	
o-Xylene	ug/L	<0.50	1.0	10/04/16 05:58	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/04/16 05:58	
sec-Butylbenzene	ug/L	<2.2	5.0	10/04/16 05:58	
Styrene	ug/L	<0.50	1.0	10/04/16 05:58	
tert-Butylbenzene	ug/L	<0.18	1.0	10/04/16 05:58	
Tetrachloroethene	ug/L	<0.50	1.0	10/04/16 05:58	
Toluene	ug/L	<0.50	1.0	10/04/16 05:58	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 05:58	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/04/16 05:58	
Trichloroethene	ug/L	<0.33	1.0	10/04/16 05:58	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/04/16 05:58	
Vinyl chloride	ug/L	<0.18	1.0	10/04/16 05:58	
Xylene (Total)	ug/L	<1.5	3.0	10/04/16 05:58	
4-Bromofluorobenzene (S)	%	91	70-130	10/04/16 05:58	
Dibromofluoromethane (S)	%	112	70-130	10/04/16 05:58	
Toluene-d8 (S)	%	96	70-130	10/04/16 05:58	

LABORATORY CONTROL SAMPLE: 1404388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	67-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	70-133	
1,1-Dichloroethene	ug/L	50	38.0	76	70-130	
1,2,4-Trichlorobenzene	ug/L	50	38.3	77	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.4	97	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dichloroethane	ug/L	50	65.6	131	70-130 L0	
1,2-Dichloropropane	ug/L	50	62.6	125	70-130	
1,3-Dichlorobenzene	ug/L	50	45.2	90	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

LABORATORY CONTROL SAMPLE: 1404388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	46.6	93	70-130	
Benzene	ug/L	50	62.0	124	60-135	
Bromodichloromethane	ug/L	50	59.8	120	70-130	
Bromoform	ug/L	50	46.5	93	70-130	
Bromomethane	ug/L	50	30.3	61	33-130	
Carbon tetrachloride	ug/L	50	57.9	116	70-138	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	39.3	79	51-130	
Chloroform	ug/L	50	61.8	124	70-130	
Chloromethane	ug/L	50	30.6	61	25-132	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	69-130	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	70-130	
Dibromochloromethane	ug/L	50	49.1	98	70-130	
Dichlorodifluoromethane	ug/L	50	30.8	62	23-130	
Ethylbenzene	ug/L	50	52.5	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	70-140	
m&p-Xylene	ug/L	100	107	107	70-138	
Methyl-tert-butyl ether	ug/L	50	52.2	104	66-138	
Methylene Chloride	ug/L	50	47.3	95	70-130	
o-Xylene	ug/L	50	51.5	103	70-134	
Styrene	ug/L	50	54.4	109	70-133	
Tetrachloroethene	ug/L	50	43.8	88	70-138	
Toluene	ug/L	50	51.2	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	42.4	85	70-131	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	69-130	
Trichloroethene	ug/L	50	53.5	107	70-130	
Trichlorofluoromethane	ug/L	50	46.5	93	50-150	
Vinyl chloride	ug/L	50	41.2	82	49-130	
Xylene (Total)	ug/L	150	159	106	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1404389 1404390

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139212045	Spike Conc.	Spike Conc.	MSD								
1,1,1-Trichloroethane	ug/L	<5.0	50	50	55.3	59.5	111	119	70-134	7	20		
1,1,2,2-Tetrachloroethane	ug/L	<2.5	50	50	48.7	50.0	97	100	67-130	3	20		
1,1,2-Trichloroethane	ug/L	<2.0	50	50	51.6	50.7	103	101	70-130	2	20		
1,1-Dichloroethane	ug/L	<2.4	50	50	60.5	62.9	121	126	70-134	4	20		
1,1-Dichloroethene	ug/L	<4.1	50	50	41.0	41.8	82	84	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<22.1	50	50	38.7	41.7	77	83	62-139	7	20		
1,2-Dibromo-3-chloropropane	ug/L	<21.6	50	50	45.4	45.5	91	91	50-150	0	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138821

Parameter	Units	40139212045		1404389		1404390		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dibromoethane (EDB)	ug/L	<1.8	50	50	48.9	51.3	98	103	70-130	5	20		
1,2-Dichlorobenzene	ug/L	<5.0	50	50	45.4	47.9	91	96	70-130	5	20		
1,2-Dichloroethane	ug/L	<1.7	50	50	63.8	64.1	128	128	70-130	0	20		
1,2-Dichloropropane	ug/L	<2.3	50	50	60.2	61.8	120	124	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<5.0	50	50	44.1	47.4	88	95	70-131	7	20		
1,4-Dichlorobenzene	ug/L	<5.0	50	50	45.5	46.9	91	94	70-130	3	20		
Benzene	ug/L	<5.0	50	50	61.4	64.2	123	128	57-138	5	20		
Bromodichloromethane	ug/L	<5.0	50	50	61.1	61.9	122	124	70-130	1	20		
Bromoform	ug/L	<5.0	50	50	45.4	45.2	91	90	70-130	0	20		
Bromomethane	ug/L	<24.3	50	50	37.5	35.6	75	71	33-130	5	27		
Carbon tetrachloride	ug/L	<5.0	50	50	56.2	57.4	112	115	70-138	2	20		
Chlorobenzene	ug/L	<5.0	50	50	49.0	50.4	98	101	70-130	3	20		
Chloroethane	ug/L	<3.7	50	50	47.7	48.9	95	98	51-130	3	20		
Chloroform	ug/L	<25.0	50	50	60.2	62.2	120	124	70-130	3	20		
Chloromethane	ug/L	<5.0	50	50	43.0	46.4	86	93	25-132	8	20		
cis-1,2-Dichloroethene	ug/L	<2.6	50	50	51.4	51.3	103	103	61-140	0	20		
cis-1,3-Dichloropropene	ug/L	<5.0	50	50	57.5	59.2	115	118	70-130	3	20		
Dibromochloromethane	ug/L	<5.0	50	50	48.6	50.0	97	100	70-130	3	20		
Dichlorodifluoromethane	ug/L	<2.2	50	50	49.3	51.1	99	102	23-130	4	20		
Ethylbenzene	ug/L	<5.0	50	50	51.2	53.1	102	106	70-138	4	20		
Isopropylbenzene (Cumene)	ug/L	<1.4	50	50	54.3	55.9	109	112	70-152	3	20		
m&p-Xylene	ug/L	<10.0	100	100	106	108	106	108	70-140	2	20		
Methyl-tert-butyl ether	ug/L	<1.7	50	50	53.7	54.1	107	108	66-139	1	20		
Methylene Chloride	ug/L	<2.3	50	50	45.2	47.1	90	94	70-130	4	20		
o-Xylene	ug/L	<5.0	50	50	50.4	51.6	101	103	70-134	2	20		
Styrene	ug/L	<5.0	50	50	54.3	54.9	109	110	70-138	1	20		
Tetrachloroethene	ug/L	<5.0	50	50	42.3	43.8	85	88	70-148	4	20		
Toluene	ug/L	<5.0	50	50	49.6	50.5	99	101	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<2.6	50	50	43.2	44.5	86	89	70-133	3	20		
trans-1,3-Dichloropropene	ug/L	<2.3	50	50	52.4	52.2	105	104	69-130	0	20		
Trichloroethene	ug/L	<3.3	50	50	55.0	57.4	110	115	70-131	4	20		
Trichlorofluoromethane	ug/L	<1.8	50	50	48.1	51.9	96	104	50-150	8	20		
Vinyl chloride	ug/L	<1.8	50	50	51.7	54.1	103	108	49-133	4	20		
Xylene (Total)	ug/L	<15.0	150	150	157	160	104	106	70-135	2	20		
4-Bromofluorobenzene (S)	%						105	106	70-130				
Dibromofluoromethane (S)	%						109	112	70-130				
Toluene-d8 (S)	%						96	95	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138821

QC Batch: 236894 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40138821002, 40138821007

METHOD BLANK: 1404455 Matrix: Water
Associated Lab Samples: 40138821002, 40138821007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/30/16 14:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/30/16 14:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/30/16 14:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/30/16 14:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/30/16 14:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/30/16 14:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/30/16 14:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/30/16 14:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/30/16 14:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/30/16 14:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 14:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/30/16 14:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/30/16 14:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 14:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/30/16 14:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/30/16 14:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/30/16 14:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 14:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/30/16 14:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/30/16 14:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/30/16 14:14	
2-Butanone (MEK)	ug/L	<3.0	20.0	09/30/16 14:14	
2-Chlorotoluene	ug/L	<0.50	1.0	09/30/16 14:14	
2-Propanol	ug/L	<24.3	250	09/30/16 14:14	
4-Chlorotoluene	ug/L	<0.21	1.0	09/30/16 14:14	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	09/30/16 14:14	
Acetone	ug/L	<3.0	20.0	09/30/16 14:14	
Benzene	ug/L	<0.50	1.0	09/30/16 14:14	
Bromobenzene	ug/L	<0.23	1.0	09/30/16 14:14	
Bromochloromethane	ug/L	<0.34	1.0	09/30/16 14:14	
Bromodichloromethane	ug/L	<0.50	1.0	09/30/16 14:14	
Bromoform	ug/L	<0.50	1.0	09/30/16 14:14	
Bromomethane	ug/L	<2.4	5.0	09/30/16 14:14	
Carbon tetrachloride	ug/L	<0.50	1.0	09/30/16 14:14	
Chlorobenzene	ug/L	<0.50	1.0	09/30/16 14:14	
Chloroethane	ug/L	<0.37	1.0	09/30/16 14:14	
Chloroform	ug/L	<2.5	5.0	09/30/16 14:14	
Chloromethane	ug/L	<0.50	1.0	09/30/16 14:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 14:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/30/16 14:14	
Dibromochloromethane	ug/L	<0.50	1.0	09/30/16 14:14	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

METHOD BLANK: 1404455

Matrix: Water

Associated Lab Samples: 40138821002, 40138821007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	09/30/16 14:14	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/30/16 14:14	
Diisopropyl ether	ug/L	<0.50	1.0	09/30/16 14:14	
Ethylbenzene	ug/L	<0.50	1.0	09/30/16 14:14	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/30/16 14:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/30/16 14:14	
m&p-Xylene	ug/L	<1.0	2.0	09/30/16 14:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/30/16 14:14	
Methylene Chloride	ug/L	<0.23	1.0	09/30/16 14:14	
n-Butylbenzene	ug/L	<0.50	1.0	09/30/16 14:14	
n-Propylbenzene	ug/L	<0.50	1.0	09/30/16 14:14	
Naphthalene	ug/L	<2.5	5.0	09/30/16 14:14	
o-Xylene	ug/L	<0.50	1.0	09/30/16 14:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/30/16 14:14	
sec-Butylbenzene	ug/L	<2.2	5.0	09/30/16 14:14	
Styrene	ug/L	<0.50	1.0	09/30/16 14:14	
tert-Butylbenzene	ug/L	<0.18	1.0	09/30/16 14:14	
Tetrachloroethene	ug/L	<0.50	1.0	09/30/16 14:14	
Toluene	ug/L	<0.50	1.0	09/30/16 14:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/30/16 14:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/30/16 14:14	
Trichloroethene	ug/L	<0.33	1.0	09/30/16 14:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/30/16 14:14	
Vinyl chloride	ug/L	<0.18	1.0	09/30/16 14:14	
Xylene (Total)	ug/L	<1.5	3.0	09/30/16 14:14	
4-Bromofluorobenzene (S)	%	86	70-130	09/30/16 14:14	
Dibromofluoromethane (S)	%	113	70-130	09/30/16 14:14	
Toluene-d8 (S)	%	99	70-130	09/30/16 14:14	

LABORATORY CONTROL SAMPLE: 1404456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.4	117	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	67-130	
1,1,2-Trichloroethane	ug/L	50	57.7	115	70-130	
1,1-Dichloroethane	ug/L	50	56.6	113	70-133	
1,1-Dichloroethene	ug/L	50	49.0	98	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.7	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	57.0	114	70-130	
1,2-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dichloroethane	ug/L	50	53.4	107	70-130	
1,2-Dichloropropane	ug/L	50	56.9	114	70-130	
1,3-Dichlorobenzene	ug/L	50	47.2	94	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138821

LABORATORY CONTROL SAMPLE: 1404456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	51.4	103	60-135	
Bromodichloromethane	ug/L	50	56.2	112	70-130	
Bromoform	ug/L	50	50.7	101	70-130	
Bromomethane	ug/L	50	32.4	65	33-130	
Carbon tetrachloride	ug/L	50	54.1	108	70-138	
Chlorobenzene	ug/L	50	56.0	112	70-130	
Chloroethane	ug/L	50	44.9	90	51-130	
Chloroform	ug/L	50	56.2	112	70-130	
Chloromethane	ug/L	50	33.9	68	25-132	
cis-1,2-Dichloroethene	ug/L	50	54.3	109	69-130	
cis-1,3-Dichloropropene	ug/L	50	41.3	83	70-130	
Dibromochloromethane	ug/L	50	56.8	114	70-130	
Dichlorodifluoromethane	ug/L	50	28.1	56	23-130	
Ethylbenzene	ug/L	50	56.6	113	70-136	
Isopropylbenzene (Cumene)	ug/L	50	57.6	115	70-140	
m&p-Xylene	ug/L	100	118	118	70-138	
Methyl-tert-butyl ether	ug/L	50	53.5	107	66-138	
Methylene Chloride	ug/L	50	53.0	106	70-130	
o-Xylene	ug/L	50	57.0	114	70-134	
Styrene	ug/L	50	56.3	113	70-133	
Tetrachloroethene	ug/L	50	52.9	106	70-138	
Toluene	ug/L	50	56.5	113	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.8	104	70-131	
trans-1,3-Dichloropropene	ug/L	50	41.3	83	69-130	
Trichloroethene	ug/L	50	54.8	110	70-130	
Trichlorofluoromethane	ug/L	50	49.5	99	50-150	
Vinyl chloride	ug/L	50	45.1	90	49-130	
Xylene (Total)	ug/L	150	175	117	70-135	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			124	70-130	
Toluene-d8 (S)	%			103	70-130	

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40138821

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

- 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 may be biased high.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40138821

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138821001	GP-75 17-21	EPA 8260	236097		
40138821002	GP-75 31-35	EPA 8260	236894		
40138821003	GP-75 40-44	EPA 8260	236097		
40138821004	GP-75 46-50	EPA 8260	236097		
40138821005	GP-76	EPA 8260	236097		
40138821006	GP-77	EPA 8260	236097		
40138821007	GP-78	EPA 8260	236894		
40138821008	GP-79	EPA 8260	236878		
40138821009	TRIP BLANK	EPA 8260	236097		

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(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 2 of 2

Page 40 of 41



CHAIN OF CUSTODY

***Preservation Codes**

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
N	B	0028 5000
		3
		2

Quote #:		
Mail To Contact:		
Mail To Company:		
Mail To Address:		
Invoice To Contact:		
Invoice To Company:		
Invoice To Address:		
Invoice To Phone:		
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40m/VB	
	2-40m/VB	

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____
 Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
008	GP-79	9/21	10:25	GW
009	Trip Blank			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: _____	Date/Time: 9/21, 11:30
Relinquished By: Dunham 92216	Date/Time: 0715
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____

Received By: _____	Date/Time: _____
Received By: _____	Date/Time: 0715
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

PACE Project No. 40138821

Receipt Temp = RDI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: Gannett Fleming Project #: WO#: 40138821

WO#: 40138821



Courier: Fed Ex UPS Client Pace Other: Dunham

Tracking #: 1215271

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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used na Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: ROI / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 9-22-16
Initials: mm

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>007-2 vials in same bubble bag time 9:50 mm92216</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <u>HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct</u>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>3666</u>		

Client Notification/ Resolution: Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Project Manager Review: J Tr DM Date: 9-22-16

October 05, 2016

The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/05/16.

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40139026

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40139026

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40139026

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139026001	GP-85 41-45'	Water	09/23/16 07:30	09/27/16 07:30
40139026002	GP-85 50-54'	Water	09/23/16 08:10	09/27/16 07:30
40139026003	GP-85 56-60'	Water	09/23/16 10:40	09/27/16 07:30
40139026004	GP-85 70.5-74.5'	Water	09/23/16 10:00	09/27/16 07:30
40139026005	TRIP BLANK	Water	09/23/16 00:00	09/27/16 07:30

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40139026

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40139026001	GP-85 41-45'	EPA 8260	LAP	69
40139026002	GP-85 50-54'	EPA 8260	LAP	69
40139026003	GP-85 56-60'	EPA 8260	LAP	69
40139026004	GP-85 70.5-74.5'	EPA 8260	LAP	69
40139026005	TRIP BLANK	EPA 8260	LAP	69

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139026

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40139026001	GP-85 41-45'					
EPA 8260	1,1,1-Trichloroethane	738	ug/L	100	10/04/16 23:15	
EPA 8260	1,1,2-Trichloroethane	52.7J	ug/L	100	10/04/16 23:15	
EPA 8260	1,1-Dichloroethane	434	ug/L	100	10/04/16 23:15	
EPA 8260	1,1-Dichloroethene	87.9J	ug/L	100	10/04/16 23:15	
EPA 8260	1,2,4-Trimethylbenzene	119	ug/L	100	10/04/16 23:15	
EPA 8260	1,2-Dichloroethane	26.6J	ug/L	100	10/04/16 23:15	
EPA 8260	1,2-Dichloropropane	28.9J	ug/L	100	10/04/16 23:15	
EPA 8260	2-Butanone (MEK)	1240J	ug/L	2000	10/04/16 23:15	
EPA 8260	2-Propanol	9150J	ug/L	25000	10/04/16 23:15	
EPA 8260	4-Methyl-2-pentanone (MIBK)	614	ug/L	500	10/04/16 23:15	
EPA 8260	Acetone	7760	ug/L	2000	10/04/16 23:15	
EPA 8260	Ethylbenzene	2010	ug/L	100	10/04/16 23:15	
EPA 8260	Toluene	24000	ug/L	100	10/04/16 23:15	
EPA 8260	Vinyl chloride	300	ug/L	100	10/04/16 23:15	
EPA 8260	Xylene (Total)	7660	ug/L	300	10/04/16 23:15	
EPA 8260	cis-1,2-Dichloroethene	3620	ug/L	100	10/04/16 23:15	
EPA 8260	m&p-Xylene	5650	ug/L	200	10/04/16 23:15	
EPA 8260	o-Xylene	2000	ug/L	100	10/04/16 23:15	
40139026002	GP-85 50-54'					
EPA 8260	1,1-Dichloroethane	1700J	ug/L	5000	10/05/16 07:47	
EPA 8260	2-Butanone (MEK)	91400J	ug/L	100000	10/05/16 07:47	
EPA 8260	2-Propanol	140000J	ug/L	1250000	10/05/16 07:47	
EPA 8260	4-Methyl-2-pentanone (MIBK)	44900	ug/L	25000	10/05/16 07:47	
EPA 8260	Acetone	520000	ug/L	100000	10/05/16 07:47	
EPA 8260	Methylene Chloride	3320J	ug/L	5000	10/05/16 07:47	1q
EPA 8260	Toluene	56500	ug/L	5000	10/05/16 07:47	
EPA 8260	cis-1,2-Dichloroethene	7710	ug/L	5000	10/05/16 07:47	
40139026003	GP-85 56-60'					
EPA 8260	1,1-Dichloroethane	1720J	ug/L	2500	10/05/16 07:25	
EPA 8260	2-Butanone (MEK)	57700	ug/L	50000	10/05/16 07:25	
EPA 8260	2-Propanol	72400J	ug/L	625000	10/05/16 07:25	
EPA 8260	4-Methyl-2-pentanone (MIBK)	27500	ug/L	12500	10/05/16 07:25	
EPA 8260	Acetone	307000	ug/L	50000	10/05/16 07:25	
EPA 8260	Methylene Chloride	1290J	ug/L	2500	10/05/16 07:25	1q
EPA 8260	Toluene	29500	ug/L	2500	10/05/16 07:25	
EPA 8260	cis-1,2-Dichloroethene	2470J	ug/L	2500	10/05/16 07:25	
40139026004	GP-85 70.5-74.5'					
EPA 8260	1,1-Dichloroethane	14.6J	ug/L	50.0	10/05/16 08:09	
EPA 8260	2-Butanone (MEK)	1100	ug/L	1000	10/05/16 08:09	
EPA 8260	2-Propanol	1570J	ug/L	12500	10/05/16 08:09	
EPA 8260	4-Methyl-2-pentanone (MIBK)	407	ug/L	250	10/05/16 08:09	
EPA 8260	Acetone	6830	ug/L	1000	10/05/16 08:09	
EPA 8260	Ethylbenzene	35.9J	ug/L	50.0	10/05/16 08:09	
EPA 8260	Methylene Chloride	14.3J	ug/L	50.0	10/05/16 08:09	1q
EPA 8260	Toluene	193	ug/L	50.0	10/05/16 08:09	
EPA 8260	Xylene (Total)	145J	ug/L	150	10/05/16 08:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40139026

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40139026004	GP-85 70.5-74.5'					
EPA 8260	cis-1,2-Dichloroethene	43.9J	ug/L	50.0	10/05/16 08:09	
EPA 8260	m&p-Xylene	106	ug/L	100	10/05/16 08:09	
EPA 8260	o-Xylene	39.1J	ug/L	50.0	10/05/16 08:09	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 41-45' Lab ID: 40139026001 Collected: 09/23/16 07:30 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		10/04/16 23:15	630-20-6	
1,1,1-Trichloroethane	738	ug/L	100	50.0	100		10/04/16 23:15	71-55-6	
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		10/04/16 23:15	79-34-5	
1,1,2-Trichloroethane	52.7J	ug/L	100	19.7	100		10/04/16 23:15	79-00-5	
1,1-Dichloroethane	434	ug/L	100	24.2	100		10/04/16 23:15	75-34-3	
1,1-Dichloroethene	87.9J	ug/L	100	41.0	100		10/04/16 23:15	75-35-4	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		10/04/16 23:15	563-58-6	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		10/04/16 23:15	87-61-6	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		10/04/16 23:15	96-18-4	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		10/04/16 23:15	120-82-1	
1,2,4-Trimethylbenzene	119	ug/L	100	50.0	100		10/04/16 23:15	95-63-6	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		10/04/16 23:15	96-12-8	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		10/04/16 23:15	106-93-4	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	95-50-1	
1,2-Dichloroethane	26.6J	ug/L	100	16.8	100		10/04/16 23:15	107-06-2	
1,2-Dichloropropane	28.9J	ug/L	100	23.3	100		10/04/16 23:15	78-87-5	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	541-73-1	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		10/04/16 23:15	142-28-9	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	106-46-7	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		10/04/16 23:15	594-20-7	
2-Butanone (MEK)	1240J	ug/L	2000	298	100		10/04/16 23:15	78-93-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	95-49-8	
2-Propanol	9150J	ug/L	25000	2430	100		10/04/16 23:15	67-63-0	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		10/04/16 23:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	614	ug/L	500	214	100		10/04/16 23:15	108-10-1	
Acetone	7760	ug/L	2000	295	100		10/04/16 23:15	67-64-1	
Benzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		10/04/16 23:15	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		10/04/16 23:15	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		10/04/16 23:15	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		10/04/16 23:15	75-25-2	
Bromomethane	<243	ug/L	500	243	100		10/04/16 23:15	74-83-9	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		10/04/16 23:15	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	108-90-7	
Chloroethane	<37.5	ug/L	100	37.5	100		10/04/16 23:15	75-00-3	
Chloroform	<250	ug/L	500	250	100		10/04/16 23:15	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		10/04/16 23:15	74-87-3	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		10/04/16 23:15	124-48-1	
Dibromomethane	<42.7	ug/L	100	42.7	100		10/04/16 23:15	74-95-3	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		10/04/16 23:15	75-71-8	
Diisopropyl ether	<50.0	ug/L	100	50.0	100		10/04/16 23:15	108-20-3	
Ethylbenzene	2010	ug/L	100	50.0	100		10/04/16 23:15	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		10/04/16 23:15	87-68-3	
Isopropylbenzene (Cumene)	<14.3	ug/L	100	14.3	100		10/04/16 23:15	98-82-8	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		10/04/16 23:15	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 41-45' **Lab ID: 40139026001** Collected: 09/23/16 07:30 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	<23.3	ug/L	100	23.3	100		10/04/16 23:15	75-09-2	
Naphthalene	<250	ug/L	500	250	100		10/04/16 23:15	91-20-3	
Styrene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	100-42-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	127-18-4	
Toluene	24000	ug/L	100	50.0	100		10/04/16 23:15	108-88-3	
Trichloroethene	<33.1	ug/L	100	33.1	100		10/04/16 23:15	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		10/04/16 23:15	75-69-4	
Vinyl chloride	300	ug/L	100	17.6	100		10/04/16 23:15	75-01-4	
Xylene (Total)	7660	ug/L	300	150	100		10/04/16 23:15	1330-20-7	
cis-1,2-Dichloroethene	3620	ug/L	100	25.6	100		10/04/16 23:15	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	10061-01-5	
m&p-Xylene	5650	ug/L	200	100	100		10/04/16 23:15	179601-23-1	
n-Butylbenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	104-51-8	
n-Propylbenzene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	103-65-1	
o-Xylene	2000	ug/L	100	50.0	100		10/04/16 23:15	95-47-6	
p-Isopropyltoluene	<50.0	ug/L	100	50.0	100		10/04/16 23:15	99-87-6	
sec-Butylbenzene	<219	ug/L	500	219	100		10/04/16 23:15	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		10/04/16 23:15	98-06-6	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		10/04/16 23:15	156-60-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		10/04/16 23:15	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		100		10/04/16 23:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		100		10/04/16 23:15	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		100		10/04/16 23:15	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 50-54' Lab ID: 40139026002 Collected: 09/23/16 08:10 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<903	ug/L	5000	903	5000		10/05/16 07:47	630-20-6	
1,1,1-Trichloroethane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	71-55-6	
1,1,2,2-Tetrachloroethane	<1250	ug/L	5000	1250	5000		10/05/16 07:47	79-34-5	
1,1,2-Trichloroethane	<987	ug/L	5000	987	5000		10/05/16 07:47	79-00-5	
1,1-Dichloroethane	1700J	ug/L	5000	1210	5000		10/05/16 07:47	75-34-3	
1,1-Dichloroethene	<2050	ug/L	5000	2050	5000		10/05/16 07:47	75-35-4	
1,1-Dichloropropene	<2210	ug/L	5000	2210	5000		10/05/16 07:47	563-58-6	
1,2,3-Trichlorobenzene	<10700	ug/L	25000	10700	5000		10/05/16 07:47	87-61-6	
1,2,3-Trichloropropane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	96-18-4	
1,2,4-Trichlorobenzene	<11000	ug/L	25000	11000	5000		10/05/16 07:47	120-82-1	
1,2,4-Trimethylbenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	95-63-6	
1,2-Dibromo-3-chloropropane	<10800	ug/L	25000	10800	5000		10/05/16 07:47	96-12-8	
1,2-Dibromoethane (EDB)	<889	ug/L	5000	889	5000		10/05/16 07:47	106-93-4	
1,2-Dichlorobenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	95-50-1	
1,2-Dichloroethane	<840	ug/L	5000	840	5000		10/05/16 07:47	107-06-2	
1,2-Dichloropropane	<1170	ug/L	5000	1170	5000		10/05/16 07:47	78-87-5	
1,3,5-Trimethylbenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	108-67-8	
1,3-Dichlorobenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	541-73-1	
1,3-Dichloropropane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	142-28-9	
1,4-Dichlorobenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	106-46-7	
2,2-Dichloropropane	<2420	ug/L	5000	2420	5000		10/05/16 07:47	594-20-7	
2-Butanone (MEK)	91400J	ug/L	100000	14900	5000		10/05/16 07:47	78-93-3	
2-Chlorotoluene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	95-49-8	
2-Propanol	140000J	ug/L	1250000	122000	5000		10/05/16 07:47	67-63-0	
4-Chlorotoluene	<1070	ug/L	5000	1070	5000		10/05/16 07:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	44900	ug/L	25000	10700	5000		10/05/16 07:47	108-10-1	
Acetone	520000	ug/L	100000	14800	5000		10/05/16 07:47	67-64-1	
Benzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	71-43-2	
Bromobenzene	<1150	ug/L	5000	1150	5000		10/05/16 07:47	108-86-1	
Bromochloromethane	<1700	ug/L	5000	1700	5000		10/05/16 07:47	74-97-5	
Bromodichloromethane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	75-27-4	
Bromoform	<2500	ug/L	5000	2500	5000		10/05/16 07:47	75-25-2	
Bromomethane	<12200	ug/L	25000	12200	5000		10/05/16 07:47	74-83-9	
Carbon tetrachloride	<2500	ug/L	5000	2500	5000		10/05/16 07:47	56-23-5	
Chlorobenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	108-90-7	
Chloroethane	<1870	ug/L	5000	1870	5000		10/05/16 07:47	75-00-3	
Chloroform	<12500	ug/L	25000	12500	5000		10/05/16 07:47	67-66-3	
Chloromethane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	74-87-3	
Dibromochloromethane	<2500	ug/L	5000	2500	5000		10/05/16 07:47	124-48-1	
Dibromomethane	<2130	ug/L	5000	2130	5000		10/05/16 07:47	74-95-3	
Dichlorodifluoromethane	<1120	ug/L	5000	1120	5000		10/05/16 07:47	75-71-8	
Diisopropyl ether	<2500	ug/L	5000	2500	5000		10/05/16 07:47	108-20-3	
Ethylbenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	100-41-4	
Hexachloro-1,3-butadiene	<10500	ug/L	25000	10500	5000		10/05/16 07:47	87-68-3	
Isopropylbenzene (Cumene)	<717	ug/L	5000	717	5000		10/05/16 07:47	98-82-8	
Methyl-tert-butyl ether	<871	ug/L	5000	871	5000		10/05/16 07:47	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 50-54' **Lab ID: 40139026002** Collected: 09/23/16 08:10 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
Methylene Chloride	3320J	ug/L	5000	1160	5000		10/05/16 07:47	75-09-2	1q
Naphthalene	<12500	ug/L	25000	12500	5000		10/05/16 07:47	91-20-3	
Styrene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	100-42-5	
Tetrachloroethene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	127-18-4	
Toluene	56500	ug/L	5000	2500	5000		10/05/16 07:47	108-88-3	
Trichloroethene	<1650	ug/L	5000	1650	5000		10/05/16 07:47	79-01-6	
Trichlorofluoromethane	<925	ug/L	5000	925	5000		10/05/16 07:47	75-69-4	
Vinyl chloride	<878	ug/L	5000	878	5000		10/05/16 07:47	75-01-4	
Xylene (Total)	<7500	ug/L	15000	7500	5000		10/05/16 07:47	1330-20-7	
cis-1,2-Dichloroethene	7710	ug/L	5000	1280	5000		10/05/16 07:47	156-59-2	
cis-1,3-Dichloropropene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	10061-01-5	
m&p-Xylene	<5000	ug/L	10000	5000	5000		10/05/16 07:47	179601-23-1	
n-Butylbenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	104-51-8	
n-Propylbenzene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	103-65-1	
o-Xylene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	95-47-6	
p-Isopropyltoluene	<2500	ug/L	5000	2500	5000		10/05/16 07:47	99-87-6	
sec-Butylbenzene	<10900	ug/L	25000	10900	5000		10/05/16 07:47	135-98-8	
tert-Butylbenzene	<902	ug/L	5000	902	5000		10/05/16 07:47	98-06-6	
trans-1,2-Dichloroethene	<1280	ug/L	5000	1280	5000		10/05/16 07:47	156-60-5	
trans-1,3-Dichloropropene	<1150	ug/L	5000	1150	5000		10/05/16 07:47	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		5000		10/05/16 07:47	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5000		10/05/16 07:47	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		5000		10/05/16 07:47	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 56-60' Lab ID: 40139026003 Collected: 09/23/16 10:40 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<451	ug/L	2500	451	2500		10/05/16 07:25	630-20-6	
1,1,1-Trichloroethane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	71-55-6	
1,1,2,2-Tetrachloroethane	<623	ug/L	2500	623	2500		10/05/16 07:25	79-34-5	
1,1,2-Trichloroethane	<493	ug/L	2500	493	2500		10/05/16 07:25	79-00-5	
1,1-Dichloroethane	1720J	ug/L	2500	604	2500		10/05/16 07:25	75-34-3	
1,1-Dichloroethene	<1030	ug/L	2500	1030	2500		10/05/16 07:25	75-35-4	
1,1-Dichloropropene	<1100	ug/L	2500	1100	2500		10/05/16 07:25	563-58-6	
1,2,3-Trichlorobenzene	<5330	ug/L	12500	5330	2500		10/05/16 07:25	87-61-6	
1,2,3-Trichloropropane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	96-18-4	
1,2,4-Trichlorobenzene	<5520	ug/L	12500	5520	2500		10/05/16 07:25	120-82-1	
1,2,4-Trimethylbenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	95-63-6	
1,2-Dibromo-3-chloropropane	<5410	ug/L	12500	5410	2500		10/05/16 07:25	96-12-8	
1,2-Dibromoethane (EDB)	<444	ug/L	2500	444	2500		10/05/16 07:25	106-93-4	
1,2-Dichlorobenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	95-50-1	
1,2-Dichloroethane	<420	ug/L	2500	420	2500		10/05/16 07:25	107-06-2	
1,2-Dichloropropane	<583	ug/L	2500	583	2500		10/05/16 07:25	78-87-5	
1,3,5-Trimethylbenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	108-67-8	
1,3-Dichlorobenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	541-73-1	
1,3-Dichloropropane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	142-28-9	
1,4-Dichlorobenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	106-46-7	
2,2-Dichloropropane	<1210	ug/L	2500	1210	2500		10/05/16 07:25	594-20-7	
2-Butanone (MEK)	57700	ug/L	50000	7450	2500		10/05/16 07:25	78-93-3	
2-Chlorotoluene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	95-49-8	
2-Propanol	72400J	ug/L	625000	60900	2500		10/05/16 07:25	67-63-0	
4-Chlorotoluene	<534	ug/L	2500	534	2500		10/05/16 07:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	27500	ug/L	12500	5350	2500		10/05/16 07:25	108-10-1	
Acetone	307000	ug/L	50000	7380	2500		10/05/16 07:25	67-64-1	
Benzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	71-43-2	
Bromobenzene	<575	ug/L	2500	575	2500		10/05/16 07:25	108-86-1	
Bromochloromethane	<851	ug/L	2500	851	2500		10/05/16 07:25	74-97-5	
Bromodichloromethane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	75-27-4	
Bromoform	<1250	ug/L	2500	1250	2500		10/05/16 07:25	75-25-2	
Bromomethane	<6090	ug/L	12500	6090	2500		10/05/16 07:25	74-83-9	
Carbon tetrachloride	<1250	ug/L	2500	1250	2500		10/05/16 07:25	56-23-5	
Chlorobenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	108-90-7	
Chloroethane	<936	ug/L	2500	936	2500		10/05/16 07:25	75-00-3	
Chloroform	<6250	ug/L	12500	6250	2500		10/05/16 07:25	67-66-3	
Chloromethane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	74-87-3	
Dibromochloromethane	<1250	ug/L	2500	1250	2500		10/05/16 07:25	124-48-1	
Dibromomethane	<1070	ug/L	2500	1070	2500		10/05/16 07:25	74-95-3	
Dichlorodifluoromethane	<560	ug/L	2500	560	2500		10/05/16 07:25	75-71-8	
Diisopropyl ether	<1250	ug/L	2500	1250	2500		10/05/16 07:25	108-20-3	
Ethylbenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	100-41-4	
Hexachloro-1,3-butadiene	<5260	ug/L	12500	5260	2500		10/05/16 07:25	87-68-3	
Isopropylbenzene (Cumene)	<358	ug/L	2500	358	2500		10/05/16 07:25	98-82-8	
Methyl-tert-butyl ether	<436	ug/L	2500	436	2500		10/05/16 07:25	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 56-60' **Lab ID: 40139026003** Collected: 09/23/16 10:40 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Methylene Chloride	1290J	ug/L	2500	581	2500		10/05/16 07:25	75-09-2	1q
Naphthalene	<6250	ug/L	12500	6250	2500		10/05/16 07:25	91-20-3	
Styrene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	100-42-5	
Tetrachloroethene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	127-18-4	
Toluene	29500	ug/L	2500	1250	2500		10/05/16 07:25	108-88-3	
Trichloroethene	<827	ug/L	2500	827	2500		10/05/16 07:25	79-01-6	
Trichlorofluoromethane	<462	ug/L	2500	462	2500		10/05/16 07:25	75-69-4	
Vinyl chloride	<439	ug/L	2500	439	2500		10/05/16 07:25	75-01-4	
Xylene (Total)	<3750	ug/L	7500	3750	2500		10/05/16 07:25	1330-20-7	
cis-1,2-Dichloroethene	2470J	ug/L	2500	640	2500		10/05/16 07:25	156-59-2	
cis-1,3-Dichloropropene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	10061-01-5	
m&p-Xylene	<2500	ug/L	5000	2500	2500		10/05/16 07:25	179601-23-1	
n-Butylbenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	104-51-8	
n-Propylbenzene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	103-65-1	
o-Xylene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	95-47-6	
p-Isopropyltoluene	<1250	ug/L	2500	1250	2500		10/05/16 07:25	99-87-6	
sec-Butylbenzene	<5470	ug/L	12500	5470	2500		10/05/16 07:25	135-98-8	
tert-Butylbenzene	<451	ug/L	2500	451	2500		10/05/16 07:25	98-06-6	
trans-1,2-Dichloroethene	<641	ug/L	2500	641	2500		10/05/16 07:25	156-60-5	
trans-1,3-Dichloropropene	<574	ug/L	2500	574	2500		10/05/16 07:25	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		2500		10/05/16 07:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2500		10/05/16 07:25	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		2500		10/05/16 07:25	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 70.5-74.5' Lab ID: 40139026004 Collected: 09/23/16 10:00 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		10/05/16 08:09	630-20-6	
1,1,1-Trichloroethane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	71-55-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		10/05/16 08:09	79-34-5	
1,1,2-Trichloroethane	<9.9	ug/L	50.0	9.9	50		10/05/16 08:09	79-00-5	
1,1-Dichloroethane	14.6J	ug/L	50.0	12.1	50		10/05/16 08:09	75-34-3	
1,1-Dichloroethene	<20.5	ug/L	50.0	20.5	50		10/05/16 08:09	75-35-4	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		10/05/16 08:09	563-58-6	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		10/05/16 08:09	87-61-6	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	96-18-4	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		10/05/16 08:09	120-82-1	
1,2,4-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	95-63-6	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		10/05/16 08:09	96-12-8	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		10/05/16 08:09	106-93-4	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	95-50-1	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		10/05/16 08:09	107-06-2	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		10/05/16 08:09	78-87-5	
1,3,5-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	541-73-1	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	142-28-9	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	106-46-7	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		10/05/16 08:09	594-20-7	
2-Butanone (MEK)	1100	ug/L	1000	149	50		10/05/16 08:09	78-93-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	95-49-8	
2-Propanol	1570J	ug/L	12500	1220	50		10/05/16 08:09	67-63-0	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		10/05/16 08:09	106-43-4	
4-Methyl-2-pentanone (MIBK)	407	ug/L	250	107	50		10/05/16 08:09	108-10-1	
Acetone	6830	ug/L	1000	148	50		10/05/16 08:09	67-64-1	
Benzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		10/05/16 08:09	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		10/05/16 08:09	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	75-25-2	
Bromomethane	<122	ug/L	250	122	50		10/05/16 08:09	74-83-9	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		10/05/16 08:09	75-00-3	
Chloroform	<125	ug/L	250	125	50		10/05/16 08:09	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	74-87-3	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	124-48-1	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		10/05/16 08:09	74-95-3	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		10/05/16 08:09	75-71-8	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	108-20-3	
Ethylbenzene	35.9J	ug/L	50.0	25.0	50		10/05/16 08:09	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		10/05/16 08:09	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		10/05/16 08:09	98-82-8	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		10/05/16 08:09	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: GP-85 70.5-74.5' **Lab ID: 40139026004** Collected: 09/23/16 10:00 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	14.3J	ug/L	50.0	11.6	50		10/05/16 08:09	75-09-2	1q
Naphthalene	<125	ug/L	250	125	50		10/05/16 08:09	91-20-3	
Styrene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	100-42-5	
Tetrachloroethene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	127-18-4	
Toluene	193	ug/L	50.0	25.0	50		10/05/16 08:09	108-88-3	
Trichloroethene	<16.5	ug/L	50.0	16.5	50		10/05/16 08:09	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		10/05/16 08:09	75-69-4	
Vinyl chloride	<8.8	ug/L	50.0	8.8	50		10/05/16 08:09	75-01-4	
Xylene (Total)	145J	ug/L	150	75.0	50		10/05/16 08:09	1330-20-7	
cis-1,2-Dichloroethene	43.9J	ug/L	50.0	12.8	50		10/05/16 08:09	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	10061-01-5	
m&p-Xylene	106	ug/L	100	50.0	50		10/05/16 08:09	179601-23-1	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	104-51-8	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	103-65-1	
o-Xylene	39.1J	ug/L	50.0	25.0	50		10/05/16 08:09	95-47-6	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		10/05/16 08:09	99-87-6	
sec-Butylbenzene	<109	ug/L	250	109	50		10/05/16 08:09	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		10/05/16 08:09	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		10/05/16 08:09	156-60-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		10/05/16 08:09	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		50		10/05/16 08:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		50		10/05/16 08:09	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		50		10/05/16 08:09	460-00-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: TRIP BLANK **Lab ID: 40139026005** Collected: 09/23/16 00:00 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/04/16 17:26	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/04/16 17:26	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/04/16 17:26	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/04/16 17:26	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/04/16 17:26	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/04/16 17:26	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/04/16 17:26	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/04/16 17:26	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/04/16 17:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/04/16 17:26	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/04/16 17:26	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/04/16 17:26	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/04/16 17:26	594-20-7	
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		10/04/16 17:26	78-93-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	95-49-8	
2-Propanol	<24.3	ug/L	250	24.3	1		10/04/16 17:26	67-63-0	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/04/16 17:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		10/04/16 17:26	108-10-1	
Acetone	<3.0	ug/L	20.0	3.0	1		10/04/16 17:26	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/04/16 17:26	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/04/16 17:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/04/16 17:26	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/04/16 17:26	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/04/16 17:26	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/04/16 17:26	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/04/16 17:26	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/04/16 17:26	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/04/16 17:26	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/04/16 17:26	1634-04-4	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40139026

Sample: TRIP BLANK **Lab ID: 40139026005** Collected: 09/23/16 00:00 Received: 09/27/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/04/16 17:26	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/04/16 17:26	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/04/16 17:26	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/04/16 17:26	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/04/16 17:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/04/16 17:26	1330-20-7	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/04/16 17:26	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/04/16 17:26	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/04/16 17:26	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/04/16 17:26	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/04/16 17:26	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/04/16 17:26	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/04/16 17:26	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		10/04/16 17:26	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/04/16 17:26	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		10/04/16 17:26	460-00-4	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40139026

QC Batch: 237028 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40139026001, 40139026002, 40139026003, 40139026004, 40139026005

METHOD BLANK: 1404740 Matrix: Water
Associated Lab Samples: 40139026001, 40139026002, 40139026003, 40139026004, 40139026005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/04/16 15:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/04/16 15:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/04/16 15:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/04/16 15:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/04/16 15:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/04/16 15:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/04/16 15:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/04/16 15:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/04/16 15:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/04/16 15:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 15:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/04/16 15:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/04/16 15:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 15:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/04/16 15:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/04/16 15:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/04/16 15:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 15:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/04/16 15:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/04/16 15:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/04/16 15:14	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/04/16 15:14	
2-Chlorotoluene	ug/L	<0.50	1.0	10/04/16 15:14	
2-Propanol	ug/L	<24.3	250	10/04/16 15:14	
4-Chlorotoluene	ug/L	<0.21	1.0	10/04/16 15:14	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/04/16 15:14	
Acetone	ug/L	<3.0	20.0	10/04/16 15:14	
Benzene	ug/L	<0.50	1.0	10/04/16 15:14	
Bromobenzene	ug/L	<0.23	1.0	10/04/16 15:14	
Bromochloromethane	ug/L	<0.34	1.0	10/04/16 15:14	
Bromodichloromethane	ug/L	<0.50	1.0	10/04/16 15:14	
Bromoform	ug/L	<0.50	1.0	10/04/16 15:14	
Bromomethane	ug/L	<2.4	5.0	10/04/16 15:14	
Carbon tetrachloride	ug/L	<0.50	1.0	10/04/16 15:14	
Chlorobenzene	ug/L	<0.50	1.0	10/04/16 15:14	
Chloroethane	ug/L	<0.37	1.0	10/04/16 15:14	
Chloroform	ug/L	<2.5	5.0	10/04/16 15:14	
Chloromethane	ug/L	<0.50	1.0	10/04/16 15:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 15:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/04/16 15:14	
Dibromochloromethane	ug/L	<0.50	1.0	10/04/16 15:14	

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: 55929.005 WRR
Pace Project No.: 40139026

METHOD BLANK: 1404740 Matrix: Water
Associated Lab Samples: 40139026001, 40139026002, 40139026003, 40139026004, 40139026005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.43	1.0	10/04/16 15:14	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/04/16 15:14	
Diisopropyl ether	ug/L	<0.50	1.0	10/04/16 15:14	
Ethylbenzene	ug/L	<0.50	1.0	10/04/16 15:14	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/04/16 15:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/04/16 15:14	
m&p-Xylene	ug/L	<1.0	2.0	10/04/16 15:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/04/16 15:14	
Methylene Chloride	ug/L	0.26J	1.0	10/04/16 15:14	
n-Butylbenzene	ug/L	<0.50	1.0	10/04/16 15:14	
n-Propylbenzene	ug/L	<0.50	1.0	10/04/16 15:14	
Naphthalene	ug/L	<2.5	5.0	10/04/16 15:14	
o-Xylene	ug/L	<0.50	1.0	10/04/16 15:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/04/16 15:14	
sec-Butylbenzene	ug/L	<2.2	5.0	10/04/16 15:14	
Styrene	ug/L	<0.50	1.0	10/04/16 15:14	
tert-Butylbenzene	ug/L	<0.18	1.0	10/04/16 15:14	
Tetrachloroethene	ug/L	<0.50	1.0	10/04/16 15:14	
Toluene	ug/L	<0.50	1.0	10/04/16 15:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/04/16 15:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/04/16 15:14	
Trichloroethene	ug/L	<0.33	1.0	10/04/16 15:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/04/16 15:14	
Vinyl chloride	ug/L	<0.18	1.0	10/04/16 15:14	
Xylene (Total)	ug/L	<1.5	3.0	10/04/16 15:14	
4-Bromofluorobenzene (S)	%	88	70-130	10/04/16 15:14	
Dibromofluoromethane (S)	%	99	70-130	10/04/16 15:14	
Toluene-d8 (S)	%	98	70-130	10/04/16 15:14	

LABORATORY CONTROL SAMPLE: 1404741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.6	99	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	50.2	100	67-130	
1,1,2-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	70-133	
1,1-Dichloroethene	ug/L	50	45.7	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.9	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.1	96	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dichloroethane	ug/L	50	47.9	96	70-130	
1,2-Dichloropropane	ug/L	50	49.5	99	70-130	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139026

LABORATORY CONTROL SAMPLE: 1404741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	51.1	102	60-135	
Bromodichloromethane	ug/L	50	50.8	102	70-130	
Bromoform	ug/L	50	44.3	89	70-130	
Bromomethane	ug/L	50	39.9	80	33-130	
Carbon tetrachloride	ug/L	50	51.8	104	70-138	
Chlorobenzene	ug/L	50	53.5	107	70-130	
Chloroethane	ug/L	50	37.4	75	51-130	
Chloroform	ug/L	50	49.2	98	70-130	
Chloromethane	ug/L	50	35.4	71	25-132	
cis-1,2-Dichloroethene	ug/L	50	43.9	88	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	50.9	102	70-130	
Dichlorodifluoromethane	ug/L	50	42.2	84	23-130	
Ethylbenzene	ug/L	50	54.1	108	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.6	107	70-140	
m&p-Xylene	ug/L	100	109	109	70-138	
Methyl-tert-butyl ether	ug/L	50	44.9	90	66-138	
Methylene Chloride	ug/L	50	45.9	92	70-130	
o-Xylene	ug/L	50	52.3	105	70-134	
Styrene	ug/L	50	48.3	97	70-133	
Tetrachloroethene	ug/L	50	52.7	105	70-138	
Toluene	ug/L	50	52.9	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.6	93	70-131	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	69-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	48.3	97	50-150	
Vinyl chloride	ug/L	50	47.3	95	49-130	
Xylene (Total)	ug/L	150	161	107	70-135	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405058 1405059

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40139212025 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	50.7	48.9	101	98	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.0	49.4	104	99	67-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.0	49.8	100	100	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	46.9	46.5	94	93	70-134	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	45.3	43.7	91	87	68-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.5	49.6	98	98	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	47.7	43.4	95	87	50-150	9	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40139026

Parameter	Units	1405058		1405059		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40139212025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.0	51.8	106	104	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	53.7	51.0	107	102	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	49.5	47.9	99	96	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	50.3	49.4	101	99	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	53.8	51.2	108	102	70-131	5	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.9	49.7	104	99	70-130	4	20	
Benzene	ug/L	<0.50	50	50	53.2	51.1	106	102	57-138	4	20	
Bromodichloromethane	ug/L	<0.50	50	50	52.7	50.9	105	102	70-130	3	20	
Bromoform	ug/L	<0.50	50	50	45.5	45.3	91	91	70-130	1	20	
Bromomethane	ug/L	<2.4	50	50	40.9	40.8	82	82	33-130	0	27	
Carbon tetrachloride	ug/L	<0.50	50	50	53.4	52.1	107	104	70-138	3	20	
Chlorobenzene	ug/L	<0.50	50	50	53.6	53.1	107	106	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	38.6	38.3	77	77	51-130	1	20	
Chloroform	ug/L	<2.5	50	50	50.7	48.9	101	98	70-130	4	20	
Chloromethane	ug/L	<0.50	50	50	36.3	34.1	73	68	25-132	6	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	45.6	43.6	91	87	61-140	5	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.2	48.1	96	96	70-130	0	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.5	51.6	105	103	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	43.6	41.6	87	83	23-130	5	20	
Ethylbenzene	ug/L	<0.50	50	50	55.2	54.2	110	108	70-138	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.2	54.6	110	109	70-152	1	20	
m&p-Xylene	ug/L	<1.0	100	100	111	110	111	110	70-140	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.0	44.8	92	90	66-139	3	20	
Methylene Chloride	ug/L	<0.23	50	50	46.8	45.7	94	91	70-130	2	20	
o-Xylene	ug/L	<0.50	50	50	53.9	53.4	108	107	70-134	1	20	
Styrene	ug/L	<0.50	50	50	51.0	51.3	102	103	70-138	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	54.5	53.2	109	106	70-148	2	20	
Toluene	ug/L	<0.50	50	50	53.7	52.7	107	105	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	48.4	45.8	97	92	70-133	5	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	47.1	47.2	94	94	69-130	0	20	
Trichloroethene	ug/L	<0.33	50	50	53.9	52.9	108	106	70-131	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	50.3	48.6	101	97	50-150	3	20	
Vinyl chloride	ug/L	<0.18	50	50	49.2	47.2	98	94	49-133	4	20	
Xylene (Total)	ug/L	<1.5	150	150	165	163	110	109	70-135	1	20	
4-Bromofluorobenzene (S)	%						100	98	70-130			
Dibromofluoromethane (S)	%						100	98	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40139026

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

1q Analyte was detected in the associated method blank. Sample was re-analyzed with a second method blank that was non-detect. Due to limitations of the LIMS system, only initial method blank results are reported.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40139026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139026001	GP-85 41-45'	EPA 8260	237028		
40139026002	GP-85 50-54'	EPA 8260	237028		
40139026003	GP-85 56-60'	EPA 8260	237028		
40139026004	GP-85 70.5-74.5'	EPA 8260	237028		
40139026005	TRIP BLANK	EPA 8260	237028		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Gannett Fleming
 Branch/Location: Madison, WI
 Project Contact: Anthony Miller
 Phone: 608-836-1500
 Project Number: 55929.005
 Project Name: WRR
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40139026

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
	B	VOCS 826

Quote #: _____
 Mail To Contact: See
 Mail To Company: _____
 Mail To Address: 8025 Excelsior Dr. Madison, WI 53717
 Invoice To Contact: _____
 Invoice To Company: BGS
 Invoice To Address: 1
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	<u>3-40ml vB</u>	
	<u>2-40ml vB</u>	

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	GP-85 41-45'	9/23/16	7:30	GW
002	GP-85 50-54'	↓	8:10	↓
003	GP-85 56-60'	↓	10:40	↓
004	GP-85 70.5-74.5'	↓	10:00	↓
005	Trip Blank	↓		↓

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Chelsea Payne Date/Time: 9-26-16 12:00
 Relinquished By: Nurham Date/Time: 9-27-16 07:30
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: Suzanne White Date/Time: 9-27-16 07:30
 Received By: Pace Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40139026
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: Garrett Fleming Project # WO# : 40139026

Courier: Fed Ex UPS Client Pace Other: Durban
Tracking #: 1217134



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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROTC Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 9-27-16
Initials: SPU

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	<input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
exceptions: <input checked="" type="checkbox"/> VOA coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed	Lab Std #ID of preservative
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.	Date/Time:
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):	<u>366</u>	<u>9-27-16</u>	<u>SPU</u>

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 9-27-16

October 11, 2016

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/11/16.**

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40138918

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40138918

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40138918

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138918001	GP-80 0.5-2.5'	Solid	09/22/16 08:00	09/23/16 07:30
40138918002	GP-80 10-12.5'	Solid	09/22/16 08:30	09/23/16 07:30
40138918003	GP-81 0.5-2.5'	Solid	09/22/16 09:10	09/23/16 07:30
40138918004	GP-81 10-12.5'	Solid	09/22/16 09:40	09/23/16 07:30
40138918005	GP-82 0.5-2.5'	Solid	09/22/16 10:25	09/23/16 07:30
40138918006	GP-82 10-12.5'	Solid	09/22/16 10:50	09/23/16 07:30
40138918007	GP-83 2.5-5.0'	Solid	09/22/16 11:20	09/23/16 07:30
40138918008	GP-83 7.5-10'	Solid	09/22/16 11:32	09/23/16 07:30
40138918009	GP-84 0.5-2.5'	Solid	09/22/16 12:55	09/23/16 07:30
40138918010	GP-84 2.5-5.0'	Solid	09/22/16 13:00	09/23/16 07:30
40138918011	TRIP BLANK	Solid	09/22/16 00:00	09/23/16 07:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40138918

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138918001	GP-80 0.5-2.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918002	GP-80 10-12.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918003	GP-81 0.5-2.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918004	GP-81 10-12.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918005	GP-82 0.5-2.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918006	GP-82 10-12.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918007	GP-83 2.5-5.0'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918008	GP-83 7.5-10'	ASTM D2974-87	KTS	1
40138918009	GP-84 0.5-2.5'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918010	GP-84 2.5-5.0'	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138918011	TRIP BLANK	EPA 8260	SMT	68

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138918

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138918001	GP-80 0.5-2.5'					
EPA 8260	Tetrachloroethene	32.5J	ug/kg	63.4	09/29/16 14:10	
ASTM D2974-87	Percent Moisture	5.4	%	0.10	09/29/16 09:46	
40138918002	GP-80 10-12.5'					
ASTM D2974-87	Percent Moisture	6.7	%	0.10	09/29/16 09:46	
40138918003	GP-81 0.5-2.5'					
EPA 8260	Tetrachloroethene	71.9	ug/kg	62.6	09/29/16 14:33	
ASTM D2974-87	Percent Moisture	4.2	%	0.10	09/29/16 09:46	
40138918004	GP-81 10-12.5'					
EPA 8260	Toluene	42.9J	ug/kg	65.1	10/07/16 18:25	
ASTM D2974-87	Percent Moisture	7.9	%	0.10	09/29/16 09:46	
40138918005	GP-82 0.5-2.5'					
EPA 8260	Tetrachloroethene	65.4	ug/kg	63.0	09/29/16 10:23	
ASTM D2974-87	Percent Moisture	4.7	%	0.10	09/29/16 09:46	
40138918006	GP-82 10-12.5'					
ASTM D2974-87	Percent Moisture	5.3	%	0.10	09/29/16 09:47	
40138918007	GP-83 2.5-5.0'					
ASTM D2974-87	Percent Moisture	9.6	%	0.10	09/29/16 09:47	
40138918008	GP-83 7.5-10'					
ASTM D2974-87	Percent Moisture	5.4	%	0.10	09/29/16 09:47	
40138918009	GP-84 0.5-2.5'					
EPA 8260	1,1,1-Trichloroethane	77500	ug/kg	802	09/30/16 08:53	
EPA 8260	1,1,2-Trichloroethane	1170	ug/kg	802	09/30/16 08:53	
EPA 8260	1,1-Dichloroethane	14900	ug/kg	802	09/30/16 08:53	
EPA 8260	1,2,4-Trimethylbenzene	1530	ug/kg	802	09/30/16 08:53	
EPA 8260	1,2-Dichlorobenzene	1370	ug/kg	802	09/30/16 08:53	
EPA 8260	1,2-Dichloroethane	2980	ug/kg	802	09/30/16 08:53	
EPA 8260	1,3,5-Trimethylbenzene	809	ug/kg	802	09/30/16 08:53	
EPA 8260	Ethylbenzene	7100	ug/kg	802	09/30/16 08:53	
EPA 8260	Isopropylbenzene (Cumene)	462J	ug/kg	802	09/30/16 08:53	
EPA 8260	Methylene Chloride	30200	ug/kg	802	09/30/16 08:53	
EPA 8260	Naphthalene	2140J	ug/kg	3340	09/30/16 08:53	
EPA 8260	Tetrachloroethene	11400	ug/kg	802	09/30/16 08:53	
EPA 8260	Toluene	24900	ug/kg	802	09/30/16 08:53	
EPA 8260	Trichloroethene	6140	ug/kg	802	09/30/16 08:53	
EPA 8260	cis-1,2-Dichloroethene	62000	ug/kg	802	09/30/16 08:53	
EPA 8260	m&p-Xylene	37200	ug/kg	1600	09/30/16 08:53	
EPA 8260	o-Xylene	12200	ug/kg	802	09/30/16 08:53	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	09/29/16 09:47	
40138918010	GP-84 2.5-5.0'					
EPA 8260	1,1,1-Trichloroethane	19200	ug/kg	126	09/29/16 16:25	
EPA 8260	1,1,2-Trichloroethane	401	ug/kg	126	09/29/16 16:25	
EPA 8260	1,1-Dichloroethane	3950	ug/kg	126	09/29/16 16:25	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40138918

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138918010	GP-84 2.5-5.0'					
EPA 8260	1,2,4-Trimethylbenzene	3100	ug/kg	126	09/29/16 16:25	
EPA 8260	1,2-Dichlorobenzene	752	ug/kg	126	09/29/16 16:25	
EPA 8260	1,2-Dichloroethane	470	ug/kg	126	09/29/16 16:25	
EPA 8260	1,2-Dichloropropane	61.2J	ug/kg	126	09/29/16 16:25	
EPA 8260	1,3,5-Trimethylbenzene	1140	ug/kg	126	09/29/16 16:25	
EPA 8260	1,4-Dichlorobenzene	114J	ug/kg	126	09/29/16 16:25	
EPA 8260	Chloroethane	191J	ug/kg	523	09/29/16 16:25	
EPA 8260	Ethylbenzene	5140	ug/kg	126	09/29/16 16:25	
EPA 8260	Isopropylbenzene (Cumene)	583	ug/kg	126	09/29/16 16:25	
EPA 8260	Methylene Chloride	6400	ug/kg	126	09/29/16 16:25	
EPA 8260	Naphthalene	1060	ug/kg	523	09/29/16 16:25	
EPA 8260	Tetrachloroethene	7560	ug/kg	126	09/29/16 16:25	
EPA 8260	Toluene	11800	ug/kg	126	09/29/16 16:25	
EPA 8260	Trichloroethene	4730	ug/kg	126	09/29/16 16:25	
EPA 8260	Vinyl chloride	67.7J	ug/kg	126	09/29/16 16:25	
EPA 8260	cis-1,2-Dichloroethene	13300	ug/kg	126	09/29/16 16:25	
EPA 8260	m&p-Xylene	29800	ug/kg	251	09/29/16 16:25	
EPA 8260	n-Butylbenzene	725	ug/kg	126	09/29/16 16:25	
EPA 8260	n-Propylbenzene	456	ug/kg	126	09/29/16 16:25	
EPA 8260	o-Xylene	11900	ug/kg	126	09/29/16 16:25	
EPA 8260	p-Isopropyltoluene	576	ug/kg	126	09/29/16 16:25	
EPA 8260	sec-Butylbenzene	253	ug/kg	126	09/29/16 16:25	
ASTM D2974-87	Percent Moisture	4.4	%	0.10	09/29/16 09:47	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-80 0.5-2.5' Lab ID: 40138918001 Collected: 09/22/16 08:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 14:10	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 14:10	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 14:10	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 14:10	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 14:10	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 14:10	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 14:10	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 14:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 14:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-80 0.5-2.5' **Lab ID: 40138918001** Collected: 09/22/16 08:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 14:10	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	100-42-5	W
Tetrachloroethene	32.5J	ug/kg	63.4	26.4	1	09/28/16 10:00	09/29/16 14:10	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 14:10	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:10	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	132	%	53-165		1	09/28/16 10:00	09/29/16 14:10	1868-53-7	
Toluene-d8 (S)	109	%	54-163		1	09/28/16 10:00	09/29/16 14:10	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-138		1	09/28/16 10:00	09/29/16 14:10	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.4	%	0.10	0.10	1		09/29/16 09:46		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-80 10-12.5' Lab ID: 40138918002 Collected: 09/22/16 08:30 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/07/16 08:00	10/10/16 09:43	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/07/16 08:00	10/10/16 09:43	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	10/07/16 08:00	10/10/16 09:43	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	10/07/16 08:00	10/10/16 09:43	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	10/07/16 08:00	10/10/16 09:43	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	10/07/16 08:00	10/10/16 09:43	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/07/16 08:00	10/10/16 09:43	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/07/16 08:00	10/10/16 09:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/07/16 08:00	10/10/16 09:43	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-80 10-12.5' **Lab ID: 40138918002** Collected: 09/22/16 08:30 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/07/16 08:00	10/10/16 09:43	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/07/16 08:00	10/10/16 09:43	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/10/16 09:43	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	53-165		1	10/07/16 08:00	10/10/16 09:43	1868-53-7	
Toluene-d8 (S)	101	%	54-163		1	10/07/16 08:00	10/10/16 09:43	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		1	10/07/16 08:00	10/10/16 09:43	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.7	%	0.10	0.10	1		09/29/16 09:46		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-81 0.5-2.5' Lab ID: 40138918003 Collected: 09/22/16 09:10 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 14:33	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 14:33	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 14:33	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 14:33	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 14:33	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 14:33	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 14:33	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 14:33	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 14:33	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-81 0.5-2.5' **Lab ID:** 40138918003 Collected: 09/22/16 09:10 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 14:33	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	100-42-5	W
Tetrachloroethene	71.9	ug/kg	62.6	26.1	1	09/28/16 10:00	09/29/16 14:33	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 14:33	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 14:33	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	53-165		1	09/28/16 10:00	09/29/16 14:33	1868-53-7	
Toluene-d8 (S)	109	%	54-163		1	09/28/16 10:00	09/29/16 14:33	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	09/28/16 10:00	09/29/16 14:33	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.2	%	0.10	0.10	1		09/29/16 09:46		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-81 10-12.5' Lab ID: 40138918004 Collected: 09/22/16 09:40 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/07/16 08:00	10/07/16 18:25	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/07/16 08:00	10/07/16 18:25	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	10/07/16 08:00	10/07/16 18:25	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	10/07/16 08:00	10/07/16 18:25	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	10/07/16 08:00	10/07/16 18:25	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	10/07/16 08:00	10/07/16 18:25	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/07/16 08:00	10/07/16 18:25	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/07/16 08:00	10/07/16 18:25	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/07/16 08:00	10/07/16 18:25	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-81 10-12.5' **Lab ID: 40138918004** Collected: 09/22/16 09:40 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/07/16 08:00	10/07/16 18:25	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	127-18-4	W
Toluene	42.9J	ug/kg	65.1	27.1	1	10/07/16 08:00	10/07/16 18:25	108-88-3	
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/07/16 08:00	10/07/16 18:25	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/07/16 08:00	10/07/16 18:25	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	53-165		1	10/07/16 08:00	10/07/16 18:25	1868-53-7	
Toluene-d8 (S)	109	%	54-163		1	10/07/16 08:00	10/07/16 18:25	2037-26-5	
4-Bromofluorobenzene (S)	106	%	48-138		1	10/07/16 08:00	10/07/16 18:25	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.9	%	0.10	0.10	1		09/29/16 09:46		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-82 0.5-2.5' Lab ID: 40138918005 Collected: 09/22/16 10:25 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 10:23	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 10:23	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 10:23	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 10:23	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 10:23	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 10:23	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 10:23	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 10:23	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 10:23	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-82 0.5-2.5' **Lab ID:** 40138918005 Collected: 09/22/16 10:25 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 10:23	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	100-42-5	W
Tetrachloroethene	65.4	ug/kg	63.0	26.2	1	09/28/16 10:00	09/29/16 10:23	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 10:23	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:23	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	53-165		1	09/28/16 10:00	09/29/16 10:23	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	09/28/16 10:00	09/29/16 10:23	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	09/28/16 10:00	09/29/16 10:23	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.7	%	0.10	0.10	1		09/29/16 09:46		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-82 10-12.5' **Lab ID: 40138918006** Collected: 09/22/16 10:50 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/06/16 07:30	10/06/16 15:58	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/06/16 07:30	10/06/16 15:58	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	10/06/16 07:30	10/06/16 15:58	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	10/06/16 07:30	10/06/16 15:58	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	10/06/16 07:30	10/06/16 15:58	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	10/06/16 07:30	10/06/16 15:58	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/06/16 07:30	10/06/16 15:58	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/06/16 07:30	10/06/16 15:58	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/06/16 07:30	10/06/16 15:58	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-82 10-12.5' **Lab ID: 40138918006** Collected: 09/22/16 10:50 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/06/16 07:30	10/06/16 15:58	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/06/16 07:30	10/06/16 15:58	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/06/16 07:30	10/06/16 15:58	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	53-165		1	10/06/16 07:30	10/06/16 15:58	1868-53-7	
Toluene-d8 (S)	98	%	54-163		1	10/06/16 07:30	10/06/16 15:58	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	10/06/16 07:30	10/06/16 15:58	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.3	%	0.10	0.10	1		09/29/16 09:47		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-83 2.5-5.0' Lab ID: 40138918007 Collected: 09/22/16 11:20 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 10:46	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 10:46	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 10:46	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 10:46	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 10:46	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 10:46	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 10:46	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 10:46	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 10:46	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-83 2.5-5.0' **Lab ID: 40138918007** Collected: 09/22/16 11:20 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 10:46	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 10:46	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:46	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	53-165		1	09/28/16 10:00	09/29/16 10:46	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	09/28/16 10:00	09/29/16 10:46	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-138		1	09/28/16 10:00	09/29/16 10:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.6	%	0.10	0.10	1		09/29/16 09:47		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-83 7.5-10' **Lab ID: 40138918008** Collected: 09/22/16 11:32 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.4	%	0.10	0.10	1		09/29/16 09:47		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-84 0.5-2.5' Lab ID: 40138918009 Collected: 09/22/16 12:55 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	630-20-6	W
1,1,1-Trichloroethane	77500	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	71-55-6	
1,1,2,2-Tetrachloroethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	79-34-5	W
1,1,2-Trichloroethane	1170	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	79-00-5	
1,1-Dichloroethane	14900	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	75-34-3	
1,1-Dichloroethene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-35-4	W
1,1-Dichloropropene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	563-58-6	W
1,2,3-Trichlorobenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	87-61-6	W
1,2,3-Trichloropropane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	96-18-4	W
1,2,4-Trichlorobenzene	<594	ug/kg	3120	594	12.5	09/28/16 10:00	09/30/16 08:53	120-82-1	W
1,2,4-Trimethylbenzene	1530	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	95-63-6	
1,2-Dibromo-3-chloropropane	<1140	ug/kg	3120	1140	12.5	09/28/16 10:00	09/30/16 08:53	96-12-8	W
1,2-Dibromoethane (EDB)	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	106-93-4	W
1,2-Dichlorobenzene	1370	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	95-50-1	
1,2-Dichloroethane	2980	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	107-06-2	
1,2-Dichloropropane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	78-87-5	W
1,3,5-Trimethylbenzene	809	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	108-67-8	
1,3-Dichlorobenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	541-73-1	W
1,3-Dichloropropane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	142-28-9	W
1,4-Dichlorobenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	106-46-7	W
2,2-Dichloropropane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	594-20-7	W
2-Butanone (MEK)	<1330	ug/kg	3120	1330	12.5	09/28/16 10:00	09/30/16 08:53	78-93-3	W
2-Chlorotoluene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	95-49-8	W
2-Propanol	<9590	ug/kg	156000	9590	12.5	09/28/16 10:00	09/30/16 08:53	67-63-0	W
4-Chlorotoluene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<514	ug/kg	3120	514	12.5	09/28/16 10:00	09/30/16 08:53	108-10-1	W
Acetone	<973	ug/kg	3120	973	12.5	09/28/16 10:00	09/30/16 08:53	67-64-1	W
Benzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	71-43-2	W
Bromobenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	108-86-1	W
Bromochloromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	74-97-5	W
Bromodichloromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-27-4	W
Bromoform	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-25-2	W
Bromomethane	<874	ug/kg	3120	874	12.5	09/28/16 10:00	09/30/16 08:53	74-83-9	W
Carbon tetrachloride	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	56-23-5	W
Chlorobenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	108-90-7	W
Chloroethane	<838	ug/kg	3120	838	12.5	09/28/16 10:00	09/30/16 08:53	75-00-3	W
Chloroform	<581	ug/kg	3120	581	12.5	09/28/16 10:00	09/30/16 08:53	67-66-3	W
Chloromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	74-87-3	W
Dibromochloromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	124-48-1	W
Dibromomethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	74-95-3	W
Dichlorodifluoromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-71-8	W
Diisopropyl ether	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	108-20-3	W
Ethylbenzene	7100	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	100-41-4	
Hexachloro-1,3-butadiene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	87-68-3	W
Isopropylbenzene (Cumene)	462J	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-84 0.5-2.5' **Lab ID:** 40138918009 Collected: 09/22/16 12:55 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	1634-04-4	W
Methylene Chloride	30200	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	75-09-2	
Naphthalene	2140J	ug/kg	3340	535	12.5	09/28/16 10:00	09/30/16 08:53	91-20-3	
Styrene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	100-42-5	W
Tetrachloroethene	11400	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	127-18-4	
Toluene	24900	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	108-88-3	
Trichloroethene	6140	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	79-01-6	
Trichlorofluoromethane	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-69-4	W
Vinyl chloride	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	75-01-4	W
cis-1,2-Dichloroethene	62000	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	156-59-2	
cis-1,3-Dichloropropene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	10061-01-5	W
m&p-Xylene	37200	ug/kg	1600	668	12.5	09/28/16 10:00	09/30/16 08:53	179601-23-1	
n-Butylbenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	104-51-8	W
n-Propylbenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	103-65-1	W
o-Xylene	12200	ug/kg	802	334	12.5	09/28/16 10:00	09/30/16 08:53	95-47-6	
p-Isopropyltoluene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	99-87-6	W
sec-Butylbenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	135-98-8	W
tert-Butylbenzene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	98-06-6	W
trans-1,2-Dichloroethene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	156-60-5	W
trans-1,3-Dichloropropene	<312	ug/kg	750	312	12.5	09/28/16 10:00	09/30/16 08:53	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	53-165		12.5	09/28/16 10:00	09/30/16 08:53	1868-53-7	S4
Toluene-d8 (S)	0	%	54-163		12.5	09/28/16 10:00	09/30/16 08:53	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-138		12.5	09/28/16 10:00	09/30/16 08:53	460-00-4	S4
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.5	%	0.10	0.10	1		09/29/16 09:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-84 2.5-5.0' Lab ID: 40138918010 Collected: 09/22/16 13:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	630-20-6	W
1,1,1-Trichloroethane	19200	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	71-55-6	
1,1,2,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	79-34-5	W
1,1,2-Trichloroethane	401	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	79-00-5	
1,1-Dichloroethane	3950	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	75-34-3	
1,1-Dichloroethene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	75-35-4	W
1,1-Dichloropropene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	563-58-6	W
1,2,3-Trichlorobenzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	87-61-6	W
1,2,3-Trichloropropane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	96-18-4	W
1,2,4-Trichlorobenzene	<95.1	ug/kg	500	95.1	2	09/28/16 10:00	09/29/16 16:25	120-82-1	W
1,2,4-Trimethylbenzene	3100	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	95-63-6	
1,2-Dibromo-3-chloropropane	<182	ug/kg	500	182	2	09/28/16 10:00	09/29/16 16:25	96-12-8	W
1,2-Dibromoethane (EDB)	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	106-93-4	W
1,2-Dichlorobenzene	752	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	95-50-1	
1,2-Dichloroethane	470	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	107-06-2	
1,2-Dichloropropane	61.2J	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	78-87-5	
1,3,5-Trimethylbenzene	1140	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	108-67-8	
1,3-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	541-73-1	W
1,3-Dichloropropane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	142-28-9	W
1,4-Dichlorobenzene	114J	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	106-46-7	
2,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	594-20-7	W
2-Butanone (MEK)	<213	ug/kg	500	213	2	09/28/16 10:00	09/29/16 16:25	78-93-3	W
2-Chlorotoluene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	95-49-8	W
2-Propanol	<1530	ug/kg	25000	1530	2	09/28/16 10:00	09/29/16 16:25	67-63-0	W
4-Chlorotoluene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<82.2	ug/kg	500	82.2	2	09/28/16 10:00	09/29/16 16:25	108-10-1	W
Acetone	<156	ug/kg	500	156	2	09/28/16 10:00	09/29/16 16:25	67-64-1	W
Benzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	71-43-2	W
Bromobenzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	108-86-1	W
Bromochloromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	74-97-5	W
Bromodichloromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	75-27-4	W
Bromoform	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	75-25-2	W
Bromomethane	<140	ug/kg	500	140	2	09/28/16 10:00	09/29/16 16:25	74-83-9	W
Carbon tetrachloride	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	56-23-5	W
Chlorobenzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	108-90-7	W
Chloroethane	191J	ug/kg	523	140	2	09/28/16 10:00	09/29/16 16:25	75-00-3	
Chloroform	<92.9	ug/kg	500	92.9	2	09/28/16 10:00	09/29/16 16:25	67-66-3	W
Chloromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	74-87-3	W
Dibromochloromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	124-48-1	W
Dibromomethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	74-95-3	W
Dichlorodifluoromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	75-71-8	W
Diisopropyl ether	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	108-20-3	W
Ethylbenzene	5140	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	100-41-4	
Hexachloro-1,3-butadiene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	87-68-3	W
Isopropylbenzene (Cumene)	583	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: GP-84 2.5-5.0' **Lab ID:** 40138918010 Collected: 09/22/16 13:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	1634-04-4	W
Methylene Chloride	6400	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	75-09-2	
Naphthalene	1060	ug/kg	523	83.8	2	09/28/16 10:00	09/29/16 16:25	91-20-3	
Styrene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	100-42-5	W
Tetrachloroethene	7560	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	127-18-4	
Toluene	11800	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	108-88-3	
Trichloroethene	4730	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	79-01-6	
Trichlorofluoromethane	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	75-69-4	W
Vinyl chloride	67.7J	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	75-01-4	
cis-1,2-Dichloroethene	13300	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	156-59-2	
cis-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	10061-01-5	W
m&p-Xylene	29800	ug/kg	251	105	2	09/28/16 10:00	09/29/16 16:25	179601-23-1	
n-Butylbenzene	725	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	104-51-8	
n-Propylbenzene	456	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	103-65-1	
o-Xylene	11900	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	95-47-6	
p-Isopropyltoluene	576	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	99-87-6	
sec-Butylbenzene	253	ug/kg	126	52.3	2	09/28/16 10:00	09/29/16 16:25	135-98-8	
tert-Butylbenzene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	98-06-6	W
trans-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	156-60-5	W
trans-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	09/28/16 10:00	09/29/16 16:25	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	53-165		2	09/28/16 10:00	09/29/16 16:25	1868-53-7	
Toluene-d8 (S)	100	%	54-163		2	09/28/16 10:00	09/29/16 16:25	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-138		2	09/28/16 10:00	09/29/16 16:25	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.4	%	0.10	0.10	1		09/29/16 09:47		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: TRIP BLANK **Lab ID: 40138918011** Collected: 09/22/16 00:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 09:38	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 09:38	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 09:38	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 09:38	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 09:38	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 09:38	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 09:38	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 09:38	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 09:38	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138918

Sample: TRIP BLANK **Lab ID: 40138918011** Collected: 09/22/16 00:00 Received: 09/23/16 07:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 09:38	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 09:38	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 09:38	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	53-165		1	09/28/16 10:00	09/29/16 09:38	1868-53-7	
Toluene-d8 (S)	92	%	54-163		1	09/28/16 10:00	09/29/16 09:38	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		1	09/28/16 10:00	09/29/16 09:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138918

QC Batch: 236532 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
Associated Lab Samples: 40138918001, 40138918003, 40138918005, 40138918007, 40138918009, 40138918010, 40138918011

METHOD BLANK: 1401996 Matrix: Solid
Associated Lab Samples: 40138918001, 40138918003, 40138918005, 40138918007, 40138918009, 40138918010, 40138918011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/28/16 17:22	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/28/16 17:22	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/28/16 17:22	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/28/16 17:22	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/28/16 17:22	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/28/16 17:22	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/28/16 17:22	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/28/16 17:22	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/28/16 17:22	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/28/16 17:22	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/28/16 17:22	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/28/16 17:22	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/28/16 17:22	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/28/16 17:22	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/28/16 17:22	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/28/16 17:22	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/28/16 17:22	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/28/16 17:22	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/28/16 17:22	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/28/16 17:22	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/28/16 17:22	
2-Butanone (MEK)	ug/kg	<124	250	09/28/16 17:22	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/28/16 17:22	
2-Propanol	ug/kg	<767	12500	09/28/16 17:22	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/28/16 17:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	<41.1	250	09/28/16 17:22	
Acetone	ug/kg	<98.6	250	09/28/16 17:22	
Benzene	ug/kg	<9.2	20.0	09/28/16 17:22	
Bromobenzene	ug/kg	<20.6	50.0	09/28/16 17:22	
Bromochloromethane	ug/kg	<21.4	50.0	09/28/16 17:22	
Bromodichloromethane	ug/kg	<9.8	50.0	09/28/16 17:22	
Bromoform	ug/kg	<19.8	50.0	09/28/16 17:22	
Bromomethane	ug/kg	<69.9	250	09/28/16 17:22	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/28/16 17:22	
Chlorobenzene	ug/kg	<14.8	50.0	09/28/16 17:22	
Chloroethane	ug/kg	<67.0	250	09/28/16 17:22	
Chloroform	ug/kg	<46.4	250	09/28/16 17:22	
Chloromethane	ug/kg	<20.4	50.0	09/28/16 17:22	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/28/16 17:22	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/28/16 17:22	
Dibromochloromethane	ug/kg	<17.9	50.0	09/28/16 17:22	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

METHOD BLANK: 1401996

Matrix: Solid

Associated Lab Samples: 40138918001, 40138918003, 40138918005, 40138918007, 40138918009, 40138918010, 40138918011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<19.3	50.0	09/28/16 17:22	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/28/16 17:22	
Diisopropyl ether	ug/kg	<17.7	50.0	09/28/16 17:22	
Ethylbenzene	ug/kg	<12.4	50.0	09/28/16 17:22	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/28/16 17:22	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/28/16 17:22	
m&p-Xylene	ug/kg	<34.4	100	09/28/16 17:22	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/28/16 17:22	
Methylene Chloride	ug/kg	<16.2	50.0	09/28/16 17:22	
n-Butylbenzene	ug/kg	<10.5	50.0	09/28/16 17:22	
n-Propylbenzene	ug/kg	<11.6	50.0	09/28/16 17:22	
Naphthalene	ug/kg	<40.0	250	09/28/16 17:22	
o-Xylene	ug/kg	<14.0	50.0	09/28/16 17:22	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/28/16 17:22	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/28/16 17:22	
Styrene	ug/kg	<9.0	50.0	09/28/16 17:22	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/28/16 17:22	
Tetrachloroethene	ug/kg	<12.9	50.0	09/28/16 17:22	
Toluene	ug/kg	<11.2	50.0	09/28/16 17:22	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/28/16 17:22	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/28/16 17:22	
Trichloroethene	ug/kg	<23.6	50.0	09/28/16 17:22	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/28/16 17:22	
Vinyl chloride	ug/kg	<21.1	50.0	09/28/16 17:22	
4-Bromofluorobenzene (S)	%	83	48-138	09/28/16 17:22	
Dibromofluoromethane (S)	%	121	53-165	09/28/16 17:22	
Toluene-d8 (S)	%	102	54-163	09/28/16 17:22	

LABORATORY CONTROL SAMPLE: 1401997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2460	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2390	95	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethane	ug/kg	2500	2770	111	70-133	
1,1-Dichloroethene	ug/kg	2500	2520	101	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	94	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2470	99	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2650	106	70-138	
1,2-Dichloropropane	ug/kg	2500	3000	120	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2320	93	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2460	98	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

LABORATORY CONTROL SAMPLE: 1401997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2600	104	70-130	
Bromodichloromethane	ug/kg	2500	3020	121	70-130	
Bromoform	ug/kg	2500	2260	90	68-130	
Bromomethane	ug/kg	2500	2140	86	25-163	
Carbon tetrachloride	ug/kg	2500	2690	108	70-130	
Chlorobenzene	ug/kg	2500	2580	103	70-130	
Chloroethane	ug/kg	2500	3090	123	34-151	
Chloroform	ug/kg	2500	2590	104	70-130	
Chloromethane	ug/kg	2500	2080	83	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2490	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2470	99	70-130	
Dibromochloromethane	ug/kg	2500	2410	97	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	27-150	
Ethylbenzene	ug/kg	2500	2520	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2680	107	70-130	
m&p-Xylene	ug/kg	5000	5220	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2310	92	70-130	
Methylene Chloride	ug/kg	2500	2760	110	70-131	
o-Xylene	ug/kg	2500	2380	95	70-130	
Styrene	ug/kg	2500	2550	102	70-130	
Tetrachloroethene	ug/kg	2500	2540	101	70-130	
Toluene	ug/kg	2500	2660	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Trichloroethene	ug/kg	2500	2770	111	70-130	
Trichlorofluoromethane	ug/kg	2500	2410	96	50-150	
Vinyl chloride	ug/kg	2500	2240	90	57-130	
4-Bromofluorobenzene (S)	%			98	48-138	
Dibromofluoromethane (S)	%			110	53-165	
Toluene-d8 (S)	%			103	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401998 1401999

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138822003 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	995	1320	1320	2130	2200	87	92	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1320	1320	1230	1320	93	100	70-130	7	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1320	1320	1280	1370	97	104	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	1320	1320	1320	1390	100	105	64-133	5	20		
1,1-Dichloroethene	ug/kg	<25.0	1320	1320	1150	1120	87	85	56-130	2	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1320	1320	1150	1240	87	94	70-130	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1320	1320	1130	1250	86	95	50-150	10	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1320	1320	1230	1280	94	97	70-130	4	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1320	1320	1270	1330	97	101	70-130	4	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

Parameter	Units	40138822003		1401998		1401999		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dichloroethane	ug/kg	<25.0	1320	1320	1400	1360	106	104	70-138	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1320	1320	1490	1410	113	107	70-130	6	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1320	1320	1230	1290	94	98	70-130	5	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1320	1320	1320	1360	100	103	70-130	3	20		
Benzene	ug/kg	<25.0	1320	1320	1330	1340	101	102	70-130	0	20		
Bromodichloromethane	ug/kg	<25.0	1320	1320	1510	1410	115	107	70-130	7	20		
Bromoform	ug/kg	<25.0	1320	1320	1240	1300	94	99	65-130	5	20		
Bromomethane	ug/kg	<69.9	1320	1320	909	879	69	67	11-163	3	21		
Carbon tetrachloride	ug/kg	<25.0	1320	1320	1250	1250	95	95	70-130	0	20		
Chlorobenzene	ug/kg	<25.0	1320	1320	1370	1320	104	101	70-130	3	20		
Chloroethane	ug/kg	<67.0	1320	1320	1180	1140	90	87	17-151	3	20		
Chloroform	ug/kg	<46.4	1320	1320	1380	1340	105	102	70-130	3	20		
Chloromethane	ug/kg	<25.0	1320	1320	661	637	50	48	13-130	4	20		
cis-1,2-Dichloroethene	ug/kg	52.1J	1320	1320	1300	1300	95	95	70-130	0	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1160	1150	88	88	70-130	0	20		
Dibromochloromethane	ug/kg	<25.0	1320	1320	1280	1340	97	102	70-130	5	20		
Dichlorodifluoromethane	ug/kg	<25.0	1320	1320	288	280	22	21	10-150	3	21		
Ethylbenzene	ug/kg	<25.0	1320	1320	1190	1200	90	91	70-130	1	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1320	1320	1200	1220	91	93	70-130	2	20		
m&p-Xylene	ug/kg	<50.0	2630	2630	2420	2440	92	93	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1320	1320	1140	1200	87	91	70-130	5	20		
Methylene Chloride	ug/kg	<25.0	1320	1320	1480	1420	113	108	70-131	4	20		
o-Xylene	ug/kg	<25.0	1320	1320	1100	1140	84	87	70-130	4	20		
Styrene	ug/kg	<25.0	1320	1320	1190	1210	91	92	70-130	1	20		
Tetrachloroethene	ug/kg	2280	1320	1320	3510	3520	94	95	70-130	0	20		
Toluene	ug/kg	<25.0	1320	1320	1300	1300	99	99	70-130	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1210	1190	92	90	70-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1110	1220	85	93	70-130	9	20		
Trichloroethene	ug/kg	1610	1320	1320	3000	2750	105	87	70-130	9	20		
Trichlorofluoromethane	ug/kg	<25.0	1320	1320	1040	1040	79	79	40-150	0	31		
Vinyl chloride	ug/kg	<25.0	1320	1320	838	834	64	63	26-130	0	20		
4-Bromofluorobenzene (S)	%						96	100	48-138				
Dibromofluoromethane (S)	%						121	115	53-165				
Toluene-d8 (S)	%						108	106	54-163				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138918

QC Batch: 237345 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
Associated Lab Samples: 40138918006

METHOD BLANK: 1406617 Matrix: Solid
Associated Lab Samples: 40138918006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/06/16 14:02	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/06/16 14:02	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/06/16 14:02	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/06/16 14:02	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/06/16 14:02	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/06/16 14:02	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/06/16 14:02	
1,2,3-Trichlorobenzene	ug/kg	24.4J	50.0	10/06/16 14:02	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/06/16 14:02	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/06/16 14:02	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/06/16 14:02	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/06/16 14:02	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/06/16 14:02	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/06/16 14:02	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/06/16 14:02	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/06/16 14:02	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/06/16 14:02	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/06/16 14:02	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/06/16 14:02	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/06/16 14:02	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/06/16 14:02	
2-Butanone (MEK)	ug/kg	<124	250	10/06/16 14:02	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/06/16 14:02	
2-Propanol	ug/kg	<767	12500	10/06/16 14:02	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/06/16 14:02	
4-Methyl-2-pentanone (MIBK)	ug/kg	<41.1	250	10/06/16 14:02	
Acetone	ug/kg	<98.6	250	10/06/16 14:02	
Benzene	ug/kg	<9.2	20.0	10/06/16 14:02	
Bromobenzene	ug/kg	<20.6	50.0	10/06/16 14:02	
Bromochloromethane	ug/kg	<21.4	50.0	10/06/16 14:02	
Bromodichloromethane	ug/kg	<9.8	50.0	10/06/16 14:02	
Bromoform	ug/kg	<19.8	50.0	10/06/16 14:02	
Bromomethane	ug/kg	<69.9	250	10/06/16 14:02	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/06/16 14:02	
Chlorobenzene	ug/kg	<14.8	50.0	10/06/16 14:02	
Chloroethane	ug/kg	<67.0	250	10/06/16 14:02	
Chloroform	ug/kg	<46.4	250	10/06/16 14:02	
Chloromethane	ug/kg	<20.4	50.0	10/06/16 14:02	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/06/16 14:02	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/06/16 14:02	
Dibromochloromethane	ug/kg	<17.9	50.0	10/06/16 14:02	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

METHOD BLANK: 1406617

Matrix: Solid

Associated Lab Samples: 40138918006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<19.3	50.0	10/06/16 14:02	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/06/16 14:02	
Diisopropyl ether	ug/kg	<17.7	50.0	10/06/16 14:02	
Ethylbenzene	ug/kg	<12.4	50.0	10/06/16 14:02	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	10/06/16 14:02	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/06/16 14:02	
m&p-Xylene	ug/kg	<34.4	100	10/06/16 14:02	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/06/16 14:02	
Methylene Chloride	ug/kg	<16.2	50.0	10/06/16 14:02	
n-Butylbenzene	ug/kg	13.5J	50.0	10/06/16 14:02	
n-Propylbenzene	ug/kg	<11.6	50.0	10/06/16 14:02	
Naphthalene	ug/kg	40.2J	250	10/06/16 14:02	
o-Xylene	ug/kg	<14.0	50.0	10/06/16 14:02	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/06/16 14:02	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/06/16 14:02	
Styrene	ug/kg	<9.0	50.0	10/06/16 14:02	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/06/16 14:02	
Tetrachloroethene	ug/kg	<12.9	50.0	10/06/16 14:02	
Toluene	ug/kg	<11.2	50.0	10/06/16 14:02	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/06/16 14:02	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/06/16 14:02	
Trichloroethene	ug/kg	<23.6	50.0	10/06/16 14:02	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/06/16 14:02	
Vinyl chloride	ug/kg	<21.1	50.0	10/06/16 14:02	
4-Bromofluorobenzene (S)	%	103	48-138	10/06/16 14:02	
Dibromofluoromethane (S)	%	106	53-165	10/06/16 14:02	
Toluene-d8 (S)	%	108	54-163	10/06/16 14:02	

LABORATORY CONTROL SAMPLE: 1406618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2410	96	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2500	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2610	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2440	97	70-133	
1,1-Dichloroethene	ug/kg	2500	2130	85	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2360	94	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2050	82	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2440	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
1,2-Dichloroethane	ug/kg	2500	2610	104	70-138	
1,2-Dichloropropane	ug/kg	2500	2700	108	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2260	91	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

LABORATORY CONTROL SAMPLE: 1406618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2540	102	70-130	
Bromodichloromethane	ug/kg	2500	2480	99	70-130	
Bromoform	ug/kg	2500	1970	79	68-130	
Bromomethane	ug/kg	2500	2270	91	25-163	
Carbon tetrachloride	ug/kg	2500	2390	95	70-130	
Chlorobenzene	ug/kg	2500	2470	99	70-130	
Chloroethane	ug/kg	2500	2330	93	34-151	
Chloroform	ug/kg	2500	2420	97	70-130	
Chloromethane	ug/kg	2500	1770	71	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2390	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2460	98	70-130	
Dibromochloromethane	ug/kg	2500	2160	86	70-130	
Dichlorodifluoromethane	ug/kg	2500	1030	41	27-150	
Ethylbenzene	ug/kg	2500	2550	102	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5130	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2510	100	70-130	
Methylene Chloride	ug/kg	2500	2430	97	70-131	
o-Xylene	ug/kg	2500	2520	101	70-130	
Styrene	ug/kg	2500	2340	93	70-130	
Tetrachloroethene	ug/kg	2500	2480	99	70-130	
Toluene	ug/kg	2500	2620	105	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2260	90	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2190	87	70-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2140	86	50-150	
Vinyl chloride	ug/kg	2500	2010	80	57-130	
4-Bromofluorobenzene (S)	%			103	48-138	
Dibromofluoromethane (S)	%			101	53-165	
Toluene-d8 (S)	%			100	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406619 1406620

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138918006 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1320	1320	1300	1240	98	94	70-130	5	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1320	1320	1480	1520	112	115	70-130	3	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1320	1320	1460	1530	110	116	70-130	5	20		
1,1-Dichloroethane	ug/kg	<25.0	1320	1320	1390	1370	105	104	64-133	1	20		
1,1-Dichloroethene	ug/kg	<25.0	1320	1320	1050	1000	80	76	56-130	5	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1320	1320	1450	1410	106	103	70-130	3	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1320	1320	1390	1420	105	108	50-150	3	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1320	1320	1370	1450	103	109	70-130	6	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1320	1320	1420	1380	108	104	70-130	3	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

Parameter	Units	40138918006		1406619		1406620		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,2-Dichloroethane	ug/kg	<25.0	1320	1320	1510	1460	114	111	70-138	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1320	1320	1460	1410	111	107	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1320	1320	1340	1360	102	103	70-130	1	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1320	1320	1410	1330	107	101	70-130	6	20		
Benzene	ug/kg	<25.0	1320	1320	1410	1430	107	109	70-130	2	20		
Bromodichloromethane	ug/kg	<25.0	1320	1320	1330	1310	101	99	70-130	2	20		
Bromoform	ug/kg	<25.0	1320	1320	1170	1280	88	97	65-130	9	20		
Bromomethane	ug/kg	<69.9	1320	1320	1350	1380	102	105	11-163	2	21		
Carbon tetrachloride	ug/kg	<25.0	1320	1320	1210	1200	92	91	70-130	1	20		
Chlorobenzene	ug/kg	<25.0	1320	1320	1410	1400	106	106	70-130	0	20		
Chloroethane	ug/kg	<67.0	1320	1320	1180	1160	90	88	17-151	2	20		
Chloroform	ug/kg	<46.4	1320	1320	1380	1400	104	106	70-130	2	20		
Chloromethane	ug/kg	<25.0	1320	1320	1020	984	77	75	13-130	4	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1320	1370	100	104	70-130	4	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1330	1270	100	96	70-130	4	20		
Dibromochloromethane	ug/kg	<25.0	1320	1320	1270	1290	96	98	70-130	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1320	1320	896	869	68	66	10-150	3	21		
Ethylbenzene	ug/kg	<25.0	1320	1320	1360	1360	103	103	70-130	0	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1320	1320	1350	1310	103	99	70-130	3	20		
m&p-Xylene	ug/kg	<50.0	2640	2640	2750	2770	104	105	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1320	1320	1470	1540	112	116	70-130	4	20		
Methylene Chloride	ug/kg	<25.0	1320	1320	1410	1390	107	105	70-131	1	20		
o-Xylene	ug/kg	<25.0	1320	1320	1350	1400	103	106	70-130	3	20		
Styrene	ug/kg	<25.0	1320	1320	1330	1320	100	100	70-130	0	20		
Tetrachloroethene	ug/kg	<25.0	1320	1320	1280	1330	97	101	70-130	3	20		
Toluene	ug/kg	<25.0	1320	1320	1420	1440	107	109	70-130	2	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1270	1270	96	96	70-130	0	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1250	1250	94	95	70-130	0	20		
Trichloroethene	ug/kg	<25.0	1320	1320	1370	1310	104	99	70-130	4	20		
Trichlorofluoromethane	ug/kg	<25.0	1320	1320	1110	1160	84	88	40-150	5	31		
Vinyl chloride	ug/kg	<25.0	1320	1320	1180	1160	89	88	26-130	1	20		
4-Bromofluorobenzene (S)	%						101	99	48-138				
Dibromofluoromethane (S)	%						101	98	53-165				
Toluene-d8 (S)	%						98	100	54-163				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138918

QC Batch: 237451 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
Associated Lab Samples: 40138918002, 40138918004

METHOD BLANK: 1407137 Matrix: Solid
Associated Lab Samples: 40138918002, 40138918004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/07/16 07:54	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/07/16 07:54	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/07/16 07:54	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/07/16 07:54	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/07/16 07:54	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/07/16 07:54	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/07/16 07:54	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/07/16 07:54	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/07/16 07:54	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/07/16 07:54	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/07/16 07:54	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/07/16 07:54	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/07/16 07:54	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/07/16 07:54	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/07/16 07:54	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/07/16 07:54	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/07/16 07:54	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/07/16 07:54	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/07/16 07:54	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/07/16 07:54	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/07/16 07:54	
2-Butanone (MEK)	ug/kg	<124	250	10/07/16 07:54	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/07/16 07:54	
2-Propanol	ug/kg	<767	12500	10/07/16 07:54	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/07/16 07:54	
4-Methyl-2-pentanone (MIBK)	ug/kg	<41.1	250	10/07/16 07:54	
Acetone	ug/kg	<98.6	250	10/07/16 07:54	
Benzene	ug/kg	<9.2	20.0	10/07/16 07:54	
Bromobenzene	ug/kg	<20.6	50.0	10/07/16 07:54	
Bromochloromethane	ug/kg	<21.4	50.0	10/07/16 07:54	
Bromodichloromethane	ug/kg	<9.8	50.0	10/07/16 07:54	
Bromoform	ug/kg	<19.8	50.0	10/07/16 07:54	
Bromomethane	ug/kg	<69.9	250	10/07/16 07:54	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/07/16 07:54	
Chlorobenzene	ug/kg	<14.8	50.0	10/07/16 07:54	
Chloroethane	ug/kg	<67.0	250	10/07/16 07:54	
Chloroform	ug/kg	<46.4	250	10/07/16 07:54	
Chloromethane	ug/kg	<20.4	50.0	10/07/16 07:54	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/07/16 07:54	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/07/16 07:54	
Dibromochloromethane	ug/kg	<17.9	50.0	10/07/16 07:54	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

METHOD BLANK: 1407137

Matrix: Solid

Associated Lab Samples: 40138918002, 40138918004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<19.3	50.0	10/07/16 07:54	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/07/16 07:54	
Diisopropyl ether	ug/kg	<17.7	50.0	10/07/16 07:54	
Ethylbenzene	ug/kg	<12.4	50.0	10/07/16 07:54	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	10/07/16 07:54	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/07/16 07:54	
m&p-Xylene	ug/kg	<34.4	100	10/07/16 07:54	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/07/16 07:54	
Methylene Chloride	ug/kg	<16.2	50.0	10/07/16 07:54	
n-Butylbenzene	ug/kg	<10.5	50.0	10/07/16 07:54	
n-Propylbenzene	ug/kg	<11.6	50.0	10/07/16 07:54	
Naphthalene	ug/kg	<40.0	250	10/07/16 07:54	
o-Xylene	ug/kg	<14.0	50.0	10/07/16 07:54	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/07/16 07:54	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/07/16 07:54	
Styrene	ug/kg	<9.0	50.0	10/07/16 07:54	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/07/16 07:54	
Tetrachloroethene	ug/kg	<12.9	50.0	10/07/16 07:54	
Toluene	ug/kg	<11.2	50.0	10/07/16 07:54	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/07/16 07:54	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/07/16 07:54	
Trichloroethene	ug/kg	<23.6	50.0	10/07/16 07:54	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/07/16 07:54	
Vinyl chloride	ug/kg	<21.1	50.0	10/07/16 07:54	
4-Bromofluorobenzene (S)	%	99	48-138	10/07/16 07:54	
Dibromofluoromethane (S)	%	100	53-165	10/07/16 07:54	
Toluene-d8 (S)	%	99	54-163	10/07/16 07:54	

LABORATORY CONTROL SAMPLE: 1407138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2840	114	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2840	114	70-130	
1,1-Dichloroethane	ug/kg	2500	2610	105	70-133	
1,1-Dichloroethene	ug/kg	2500	2040	82	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2490	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2340	94	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2710	108	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2510	100	70-130	
1,2-Dichloroethane	ug/kg	2500	2810	112	70-138	
1,2-Dichloropropane	ug/kg	2500	2900	116	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2450	98	70-130	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

LABORATORY CONTROL SAMPLE: 1407138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2740	110	70-130	
Bromodichloromethane	ug/kg	2500	2670	107	70-130	
Bromoform	ug/kg	2500	2220	89	68-130	
Bromomethane	ug/kg	2500	2310	93	25-163	
Carbon tetrachloride	ug/kg	2500	2490	100	70-130	
Chlorobenzene	ug/kg	2500	2570	103	70-130	
Chloroethane	ug/kg	2500	2520	101	34-151	
Chloroform	ug/kg	2500	2630	105	70-130	
Chloromethane	ug/kg	2500	1670	67	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2530	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2640	106	70-130	
Dibromochloromethane	ug/kg	2500	2360	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	854	34	27-150	
Ethylbenzene	ug/kg	2500	2640	106	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2660	106	70-130	
m&p-Xylene	ug/kg	5000	5380	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2770	111	70-130	
Methylene Chloride	ug/kg	2500	2570	103	70-131	
o-Xylene	ug/kg	2500	2610	104	70-130	
Styrene	ug/kg	2500	2480	99	70-130	
Tetrachloroethene	ug/kg	2500	2470	99	70-130	
Toluene	ug/kg	2500	2690	108	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2360	95	70-130	
Trichloroethene	ug/kg	2500	2610	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2180	87	50-150	
Vinyl chloride	ug/kg	2500	2000	80	57-130	
4-Bromofluorobenzene (S)	%			110	48-138	
Dibromofluoromethane (S)	%			114	53-165	
Toluene-d8 (S)	%			109	54-163	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138918

QC Batch:	236617	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40138918001, 40138918002, 40138918003, 40138918004, 40138918005, 40138918006, 40138918007, 40138918008, 40138918009, 40138918010		

SAMPLE DUPLICATE: 1402378

Parameter	Units	40139032003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.6	7.4	2	10	

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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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40138918

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40138918

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138918001	GP-80 0.5-2.5'	EPA 5035/5030B	236532	EPA 8260	236579
40138918002	GP-80 10-12.5'	EPA 5035/5030B	237451	EPA 8260	237467
40138918003	GP-81 0.5-2.5'	EPA 5035/5030B	236532	EPA 8260	236579
40138918004	GP-81 10-12.5'	EPA 5035/5030B	237451	EPA 8260	237467
40138918005	GP-82 0.5-2.5'	EPA 5035/5030B	236532	EPA 8260	236579
40138918006	GP-82 10-12.5'	EPA 5035/5030B	237345	EPA 8260	237359
40138918007	GP-83 2.5-5.0'	EPA 5035/5030B	236532	EPA 8260	236579
40138918009	GP-84 0.5-2.5'	EPA 5035/5030B	236532	EPA 8260	236579
40138918010	GP-84 2.5-5.0'	EPA 5035/5030B	236532	EPA 8260	236579
40138918011	TRIP BLANK	EPA 5035/5030B	236532	EPA 8260	236579
40138918001	GP-80 0.5-2.5'	ASTM D2974-87	236617		
40138918002	GP-80 10-12.5'	ASTM D2974-87	236617		
40138918003	GP-81 0.5-2.5'	ASTM D2974-87	236617		
40138918004	GP-81 10-12.5'	ASTM D2974-87	236617		
40138918005	GP-82 0.5-2.5'	ASTM D2974-87	236617		
40138918006	GP-82 10-12.5'	ASTM D2974-87	236617		
40138918007	GP-83 2.5-5.0'	ASTM D2974-87	236617		
40138918008	GP-83 7.5-10'	ASTM D2974-87	236617		
40138918009	GP-84 0.5-2.5'	ASTM D2974-87	236617		
40138918010	GP-84 2.5-5.0'	ASTM D2974-87	236617		

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of 1

MN: 612-607-1700 WI: 920-469-2436



40138918

Page 42 of 43

Company Name: Kenneth Fleming
Branch/Location: Madison, WI
Project Contact: Anthony Miller
Phone: 608-836-1500
Project Number: 55929.005
Project Name: WRR
Project State: WI
Sampled By (Print): Chelsea Payne
Sampled By (Sign): *Chelsea Payne*
PO #: **Regulatory Program:**

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Y/N	Pick Letter	Analyses Requested	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
N	F	COCS 8260																				

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address: 8025 Excelsior Dr, Madison WI 53717
Invoice To Contact:
Invoice To Company: See box
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS:
LAB COMMENTS (Lab Use Only):
Profile #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	GP-80	0.5-2.5	9/22 8:00	S
002	GP-80	10-12.5	8:30	
003	GP-81	0.5-2.5	9:10	
004	GP-81	10-12.5	9:40	
005	GP-82	0.5-2.5	10:25	
006	GP-82	10-12.5	10:50	
007	GP-83	2.5-5.0	11:20	
008	GP-83	7.5-10	11:32	
009	GP-84	0.5-2.5	12:55	
010	GP-84	2.5-5.0	13:00	
011	Trip Blank			

FID w/char=8.0 w/char=0 1-40ml/F 1-40ml
 Hold
 Hold
 Hold
 Hold
 FID w/char=>1000 w/char=24
 w/char=>1000 w/char=54
 methanol

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **Relinquished By:** Chelsea Payne **Date/Time:** 9-22-16 13:30 **Received By:** **Date/Time:**
Transmit Prelim Rush Results by (complete what you want): Dunham 92316 **Date/Time:** 0730 **Received By:** **Date/Time:** 0730
Email #1: **Relinquished By:** **Date/Time:** **Received By:** **Date/Time:**
Email #2: **Relinquished By:** **Date/Time:** **Received By:** **Date/Time:**
Telephone: **Relinquished By:** **Date/Time:** **Received By:** **Date/Time:**
Fax: **Relinquished By:** **Date/Time:** **Received By:** **Date/Time:**

Samples on HOLD are subject to special pricing and release of liability

PACE Project No. 40138918
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Client Name: Gannett Fleming

Project #: **WO#: 40138918**

Courier: Fed Ex UPS Client Pace Other: Dunham



40138918

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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: NA Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: RDI /Corr: _____ Samples on ice, cooling process has begun

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
Date: 9-23-16
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>meOH Blank 1230 mm92316</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AMH for DM Date: 9/23/16

October 06, 2016

**The analytical results and
QA/QC data included with
this report were reviewed by
AWM on 10/11/16.**

Tony Miller
Gannett Fleming
8025 Excelsior Drive
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40138822

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 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,



Brian Basten for
Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40138822

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 55929.005 WRR

Pace Project No.: 40138822

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40138822001	GP 76 2.5-5.0	Solid	09/20/16 15:55	09/22/16 07:15
40138822002	GP 76 10.0-12.5	Solid	09/20/16 16:15	09/22/16 07:15
40138822003	GP 77 5.0-7.5	Solid	09/21/16 08:15	09/22/16 07:15
40138822004	GP 77 12.5-15.0	Solid	09/21/16 08:25	09/22/16 07:15
40138822005	GP 78 0.5-2.5	Solid	09/21/16 10:00	09/22/16 07:15
40138822006	GP 78 12.5-15.0	Solid	09/21/16 10:10	09/22/16 07:15
40138822007	GP 79 0.5-2.5	Solid	09/21/16 10:45	09/22/16 07:15
40138822008	GP 79 10-12.5	Solid	09/21/16 10:55	09/22/16 07:15

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR

Pace Project No.: 40138822

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40138822001	GP 76 2.5-5.0	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822002	GP 76 10.0-12.5	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822003	GP 77 5.0-7.5	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822004	GP 77 12.5-15.0	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822005	GP 78 0.5-2.5	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822006	GP 78 12.5-15.0	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822007	GP 79 0.5-2.5	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1
40138822008	GP 79 10-12.5	EPA 8260	SMT	68
		ASTM D2974-87	KTS	1

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SUMMARY OF DETECTION

Project: 55929.005 WRR
Pace Project No.: 40138822

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40138822001	GP 76 2.5-5.0					
ASTM D2974-87	Percent Moisture	6.4	%	0.10	10/06/16 09:41	
40138822002	GP 76 10.0-12.5					
ASTM D2974-87	Percent Moisture	6.9	%	0.10	10/06/16 09:41	
40138822003	GP 77 5.0-7.5					
EPA 8260	1,1,1-Trichloroethane	995	ug/kg	63.2	09/29/16 10:01	
EPA 8260	Tetrachloroethene	2280	ug/kg	63.2	09/29/16 10:01	
EPA 8260	Trichloroethene	1610	ug/kg	63.2	09/29/16 10:01	
EPA 8260	cis-1,2-Dichloroethene	52.1J	ug/kg	63.2	09/29/16 10:01	
ASTM D2974-87	Percent Moisture	5.0	%	0.10	10/06/16 09:41	
40138822004	GP 77 12.5-15.0					
EPA 8260	1,1,1-Trichloroethane	83.1	ug/kg	65.4	09/29/16 12:17	
EPA 8260	Tetrachloroethene	33.8J	ug/kg	65.4	09/29/16 12:17	
EPA 8260	Trichloroethene	101	ug/kg	65.4	09/29/16 12:17	
EPA 8260	cis-1,2-Dichloroethene	27.7J	ug/kg	65.4	09/29/16 12:17	
ASTM D2974-87	Percent Moisture	8.3	%	0.10	10/06/16 09:41	
40138822005	GP 78 0.5-2.5					
EPA 8260	Tetrachloroethene	31.9J	ug/kg	63.8	09/29/16 12:39	
ASTM D2974-87	Percent Moisture	6.0	%	0.10	10/06/16 09:41	
40138822006	GP 78 12.5-15.0					
ASTM D2974-87	Percent Moisture	6.8	%	0.10	10/05/16 13:45	
40138822007	GP 79 0.5-2.5					
EPA 8260	Tetrachloroethene	83.1	ug/kg	71.6	09/29/16 13:25	
ASTM D2974-87	Percent Moisture	16.2	%	0.10	10/05/16 13:45	
40138822008	GP 79 10-12.5					
ASTM D2974-87	Percent Moisture	11.7	%	0.10	10/05/16 13:45	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 76 2.5-5.0 **Lab ID: 40138822001** Collected: 09/20/16 15:55 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 11:31	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 11:31	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 11:31	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 11:31	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 11:31	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 11:31	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 11:31	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 11:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 11:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 76 2.5-5.0 **Lab ID: 40138822001** Collected: 09/20/16 15:55 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 11:31	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 11:31	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:31	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	53-165		1	09/28/16 10:00	09/29/16 11:31	1868-53-7	
Toluene-d8 (S)	114	%	54-163		1	09/28/16 10:00	09/29/16 11:31	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-138		1	09/28/16 10:00	09/29/16 11:31	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.4	%	0.10	0.10	1		10/06/16 09:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 76 10.0-12.5 **Lab ID: 40138822002** Collected: 09/20/16 16:15 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 11:54	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 11:54	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 11:54	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 11:54	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 11:54	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 11:54	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 11:54	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 11:54	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 11:54	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 76 10.0-12.5 **Lab ID: 40138822002** Collected: 09/20/16 16:15 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 11:54	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 11:54	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 11:54	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	131	%	53-165		1	09/28/16 10:00	09/29/16 11:54	1868-53-7	
Toluene-d8 (S)	110	%	54-163		1	09/28/16 10:00	09/29/16 11:54	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-138		1	09/28/16 10:00	09/29/16 11:54	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.9	%	0.10	0.10	1		10/06/16 09:41		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 77 5.0-7.5 Lab ID: 40138822003 Collected: 09/21/16 08:15 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	630-20-6	W
1,1,1-Trichloroethane	995	ug/kg	63.2	26.3	1	09/28/16 10:00	09/29/16 10:01	71-55-6	
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 10:01	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 10:01	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 10:01	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 10:01	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 10:01	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 10:01	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 10:01	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 10:01	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 10:01	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 77 5.0-7.5 **Lab ID: 40138822003** Collected: 09/21/16 08:15 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 10:01	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	100-42-5	W
Tetrachloroethene	2280	ug/kg	63.2	26.3	1	09/28/16 10:00	09/29/16 10:01	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	108-88-3	W
Trichloroethene	1610	ug/kg	63.2	26.3	1	09/28/16 10:00	09/29/16 10:01	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	75-01-4	W
cis-1,2-Dichloroethene	52.1J	ug/kg	63.2	26.3	1	09/28/16 10:00	09/29/16 10:01	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 10:01	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 10:01	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	127	%	53-165		1	09/28/16 10:00	09/29/16 10:01	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	09/28/16 10:00	09/29/16 10:01	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-138		1	09/28/16 10:00	09/29/16 10:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.0	%	0.10	0.10	1		10/06/16 09:41		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 77 12.5-15.0 **Lab ID: 40138822004** Collected: 09/21/16 08:25 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	630-20-6	W
1,1,1-Trichloroethane	83.1	ug/kg	65.4	27.3	1	09/28/16 10:00	09/29/16 12:17	71-55-6	
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 12:17	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 12:17	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 12:17	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 12:17	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 12:17	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 12:17	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 12:17	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 12:17	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 12:17	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 77 12.5-15.0 **Lab ID: 40138822004** Collected: 09/21/16 08:25 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 12:17	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	100-42-5	W
Tetrachloroethene	33.8J	ug/kg	65.4	27.3	1	09/28/16 10:00	09/29/16 12:17	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	108-88-3	W
Trichloroethene	101	ug/kg	65.4	27.3	1	09/28/16 10:00	09/29/16 12:17	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	75-01-4	W
cis-1,2-Dichloroethene	27.7J	ug/kg	65.4	27.3	1	09/28/16 10:00	09/29/16 12:17	156-59-2	
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 12:17	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:17	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	132	%	53-165		1	09/28/16 10:00	09/29/16 12:17	1868-53-7	
Toluene-d8 (S)	115	%	54-163		1	09/28/16 10:00	09/29/16 12:17	2037-26-5	
4-Bromofluorobenzene (S)	94	%	48-138		1	09/28/16 10:00	09/29/16 12:17	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.3	%	0.10	0.10	1		10/06/16 09:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 78 0.5-2.5 Lab ID: 40138822005 Collected: 09/21/16 10:00 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 12:39	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 12:39	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 12:39	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 12:39	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 12:39	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 12:39	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 12:39	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 12:39	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 12:39	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: **GP 78 0.5-2.5** Lab ID: **40138822005** Collected: 09/21/16 10:00 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 12:39	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	100-42-5	W
Tetrachloroethene	31.9J	ug/kg	63.8	26.6	1	09/28/16 10:00	09/29/16 12:39	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 12:39	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 12:39	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	140	%	53-165		1	09/28/16 10:00	09/29/16 12:39	1868-53-7	
Toluene-d8 (S)	112	%	54-163		1	09/28/16 10:00	09/29/16 12:39	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	09/28/16 10:00	09/29/16 12:39	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.0	%	0.10	0.10	1		10/06/16 09:41		

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 78 12.5-15.0 **Lab ID: 40138822006** Collected: 09/21/16 10:10 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 13:02	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 13:02	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 13:02	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 13:02	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 13:02	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 13:02	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 13:02	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 13:02	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 13:02	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 78 12.5-15.0 **Lab ID: 40138822006** Collected: 09/21/16 10:10 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 13:02	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 13:02	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:02	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	126	%	53-165		1	09/28/16 10:00	09/29/16 13:02	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	09/28/16 10:00	09/29/16 13:02	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-138		1	09/28/16 10:00	09/29/16 13:02	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.8	%	0.10	0.10	1		10/05/16 13:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 79 0.5-2.5 **Lab ID: 40138822007** Collected: 09/21/16 10:45 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 13:25	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 13:25	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 13:25	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 13:25	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 13:25	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 13:25	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 13:25	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 13:25	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 13:25	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	98-82-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 79 0.5-2.5 **Lab ID: 40138822007** Collected: 09/21/16 10:45 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 13:25	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	100-42-5	W
Tetrachloroethene	83.1	ug/kg	71.6	29.8	1	09/28/16 10:00	09/29/16 13:25	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 13:25	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:25	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	53-165		1	09/28/16 10:00	09/29/16 13:25	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	09/28/16 10:00	09/29/16 13:25	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-138		1	09/28/16 10:00	09/29/16 13:25	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.2	%	0.10	0.10	1		10/05/16 13:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 79 10-12.5 **Lab ID: 40138822008** Collected: 09/21/16 10:55 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/28/16 10:00	09/29/16 13:47	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/28/16 10:00	09/29/16 13:47	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	594-20-7	W
2-Butanone (MEK)	<107	ug/kg	250	107	1	09/28/16 10:00	09/29/16 13:47	78-93-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	95-49-8	W
2-Propanol	<767	ug/kg	12500	767	1	09/28/16 10:00	09/29/16 13:47	67-63-0	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	106-43-4	W
4-Methyl-2-pentanone (MIBK)	<41.1	ug/kg	250	41.1	1	09/28/16 10:00	09/29/16 13:47	108-10-1	W
Acetone	<77.8	ug/kg	250	77.8	1	09/28/16 10:00	09/29/16 13:47	67-64-1	W
Benzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/28/16 10:00	09/29/16 13:47	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/28/16 10:00	09/29/16 13:47	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/28/16 10:00	09/29/16 13:47	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	98-82-8	W

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40138822

Sample: GP 79 10-12.5 **Lab ID: 40138822008** Collected: 09/21/16 10:55 Received: 09/22/16 07:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/28/16 10:00	09/29/16 13:47	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/28/16 10:00	09/29/16 13:47	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/28/16 10:00	09/29/16 13:47	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	53-165		1	09/28/16 10:00	09/29/16 13:47	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	09/28/16 10:00	09/29/16 13:47	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	09/28/16 10:00	09/29/16 13:47	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.7	%	0.10	0.10	1		10/05/16 13:45		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138822

QC Batch: 236532 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
 Associated Lab Samples: 40138822001, 40138822002, 40138822003, 40138822004, 40138822005, 40138822006, 40138822007, 40138822008

METHOD BLANK: 1401996 Matrix: Solid
 Associated Lab Samples: 40138822001, 40138822002, 40138822003, 40138822004, 40138822005, 40138822006, 40138822007, 40138822008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/28/16 17:22	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/28/16 17:22	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/28/16 17:22	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/28/16 17:22	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/28/16 17:22	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/28/16 17:22	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/28/16 17:22	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/28/16 17:22	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/28/16 17:22	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/28/16 17:22	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/28/16 17:22	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/28/16 17:22	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/28/16 17:22	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/28/16 17:22	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/28/16 17:22	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/28/16 17:22	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/28/16 17:22	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/28/16 17:22	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/28/16 17:22	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/28/16 17:22	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/28/16 17:22	
2-Butanone (MEK)	ug/kg	<124	250	09/28/16 17:22	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/28/16 17:22	
2-Propanol	ug/kg	<767	12500	09/28/16 17:22	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/28/16 17:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	<41.1	250	09/28/16 17:22	
Acetone	ug/kg	<98.6	250	09/28/16 17:22	
Benzene	ug/kg	<9.2	20.0	09/28/16 17:22	
Bromobenzene	ug/kg	<20.6	50.0	09/28/16 17:22	
Bromochloromethane	ug/kg	<21.4	50.0	09/28/16 17:22	
Bromodichloromethane	ug/kg	<9.8	50.0	09/28/16 17:22	
Bromoform	ug/kg	<19.8	50.0	09/28/16 17:22	
Bromomethane	ug/kg	<69.9	250	09/28/16 17:22	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/28/16 17:22	
Chlorobenzene	ug/kg	<14.8	50.0	09/28/16 17:22	
Chloroethane	ug/kg	<67.0	250	09/28/16 17:22	
Chloroform	ug/kg	<46.4	250	09/28/16 17:22	
Chloromethane	ug/kg	<20.4	50.0	09/28/16 17:22	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/28/16 17:22	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/28/16 17:22	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40138822

METHOD BLANK: 1401996 Matrix: Solid
Associated Lab Samples: 40138822001, 40138822002, 40138822003, 40138822004, 40138822005, 40138822006, 40138822007, 40138822008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<17.9	50.0	09/28/16 17:22	
Dibromomethane	ug/kg	<19.3	50.0	09/28/16 17:22	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/28/16 17:22	
Diisopropyl ether	ug/kg	<17.7	50.0	09/28/16 17:22	
Ethylbenzene	ug/kg	<12.4	50.0	09/28/16 17:22	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/28/16 17:22	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/28/16 17:22	
m&p-Xylene	ug/kg	<34.4	100	09/28/16 17:22	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/28/16 17:22	
Methylene Chloride	ug/kg	<16.2	50.0	09/28/16 17:22	
n-Butylbenzene	ug/kg	<10.5	50.0	09/28/16 17:22	
n-Propylbenzene	ug/kg	<11.6	50.0	09/28/16 17:22	
Naphthalene	ug/kg	<40.0	250	09/28/16 17:22	
o-Xylene	ug/kg	<14.0	50.0	09/28/16 17:22	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/28/16 17:22	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/28/16 17:22	
Styrene	ug/kg	<9.0	50.0	09/28/16 17:22	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/28/16 17:22	
Tetrachloroethene	ug/kg	<12.9	50.0	09/28/16 17:22	
Toluene	ug/kg	<11.2	50.0	09/28/16 17:22	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/28/16 17:22	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/28/16 17:22	
Trichloroethene	ug/kg	<23.6	50.0	09/28/16 17:22	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/28/16 17:22	
Vinyl chloride	ug/kg	<21.1	50.0	09/28/16 17:22	
4-Bromofluorobenzene (S)	%	83	48-138	09/28/16 17:22	
Dibromofluoromethane (S)	%	121	53-165	09/28/16 17:22	
Toluene-d8 (S)	%	102	54-163	09/28/16 17:22	

LABORATORY CONTROL SAMPLE: 1401997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2460	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2390	95	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethane	ug/kg	2500	2770	111	70-133	
1,1-Dichloroethene	ug/kg	2500	2520	101	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	94	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2470	99	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2650	106	70-138	
1,2-Dichloropropane	ug/kg	2500	3000	120	70-130	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138822

LABORATORY CONTROL SAMPLE: 1401997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	2500	2320	93	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2460	98	70-130	
Benzene	ug/kg	2500	2600	104	70-130	
Bromodichloromethane	ug/kg	2500	3020	121	70-130	
Bromoform	ug/kg	2500	2260	90	68-130	
Bromomethane	ug/kg	2500	2140	86	25-163	
Carbon tetrachloride	ug/kg	2500	2690	108	70-130	
Chlorobenzene	ug/kg	2500	2580	103	70-130	
Chloroethane	ug/kg	2500	3090	123	34-151	
Chloroform	ug/kg	2500	2590	104	70-130	
Chloromethane	ug/kg	2500	2080	83	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2490	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2470	99	70-130	
Dibromochloromethane	ug/kg	2500	2410	97	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	27-150	
Ethylbenzene	ug/kg	2500	2520	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2680	107	70-130	
m&p-Xylene	ug/kg	5000	5220	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2310	92	70-130	
Methylene Chloride	ug/kg	2500	2760	110	70-131	
o-Xylene	ug/kg	2500	2380	95	70-130	
Styrene	ug/kg	2500	2550	102	70-130	
Tetrachloroethene	ug/kg	2500	2540	101	70-130	
Toluene	ug/kg	2500	2660	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2480	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Trichloroethene	ug/kg	2500	2770	111	70-130	
Trichlorofluoromethane	ug/kg	2500	2410	96	50-150	
Vinyl chloride	ug/kg	2500	2240	90	57-130	
4-Bromofluorobenzene (S)	%			98	48-138	
Dibromofluoromethane (S)	%			110	53-165	
Toluene-d8 (S)	%			103	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401998 1401999

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40138822003 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	995	1320	1320	2130	2200	87	92	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1320	1320	1230	1320	93	100	70-130	7	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1320	1320	1280	1370	97	104	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	1320	1320	1320	1390	100	105	64-133	5	20		
1,1-Dichloroethene	ug/kg	<25.0	1320	1320	1150	1120	87	85	56-130	2	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1320	1320	1150	1240	87	94	70-130	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1320	1320	1130	1250	86	95	50-150	10	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138822

Parameter	Units	40138822003		1401998		1401999		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1320	1320	1230	1280	94	97	70-130	4	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1320	1320	1270	1330	97	101	70-130	4	20		
1,2-Dichloroethane	ug/kg	<25.0	1320	1320	1400	1360	106	104	70-138	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1320	1320	1490	1410	113	107	70-130	6	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1320	1320	1230	1290	94	98	70-130	5	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1320	1320	1320	1360	100	103	70-130	3	20		
Benzene	ug/kg	<25.0	1320	1320	1330	1340	101	102	70-130	0	20		
Bromodichloromethane	ug/kg	<25.0	1320	1320	1510	1410	115	107	70-130	7	20		
Bromoform	ug/kg	<25.0	1320	1320	1240	1300	94	99	65-130	5	20		
Bromomethane	ug/kg	<69.9	1320	1320	909	879	69	67	11-163	3	21		
Carbon tetrachloride	ug/kg	<25.0	1320	1320	1250	1250	95	95	70-130	0	20		
Chlorobenzene	ug/kg	<25.0	1320	1320	1370	1320	104	101	70-130	3	20		
Chloroethane	ug/kg	<67.0	1320	1320	1180	1140	90	87	17-151	3	20		
Chloroform	ug/kg	<46.4	1320	1320	1380	1340	105	102	70-130	3	20		
Chloromethane	ug/kg	<25.0	1320	1320	661	637	50	48	13-130	4	20		
cis-1,2-Dichloroethene	ug/kg	52.1J	1320	1320	1300	1300	95	95	70-130	0	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1160	1150	88	88	70-130	0	20		
Dibromochloromethane	ug/kg	<25.0	1320	1320	1280	1340	97	102	70-130	5	20		
Dichlorodifluoromethane	ug/kg	<25.0	1320	1320	288	280	22	21	10-150	3	21		
Ethylbenzene	ug/kg	<25.0	1320	1320	1190	1200	90	91	70-130	1	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1320	1320	1200	1220	91	93	70-130	2	20		
m&p-Xylene	ug/kg	<50.0	2630	2630	2420	2440	92	93	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1320	1320	1140	1200	87	91	70-130	5	20		
Methylene Chloride	ug/kg	<25.0	1320	1320	1480	1420	113	108	70-131	4	20		
o-Xylene	ug/kg	<25.0	1320	1320	1100	1140	84	87	70-130	4	20		
Styrene	ug/kg	<25.0	1320	1320	1190	1210	91	92	70-130	1	20		
Tetrachloroethene	ug/kg	2280	1320	1320	3510	3520	94	95	70-130	0	20		
Toluene	ug/kg	<25.0	1320	1320	1300	1300	99	99	70-130	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1210	1190	92	90	70-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1110	1220	85	93	70-130	9	20		
Trichloroethene	ug/kg	1610	1320	1320	3000	2750	105	87	70-130	9	20		
Trichlorofluoromethane	ug/kg	<25.0	1320	1320	1040	1040	79	79	40-150	0	31		
Vinyl chloride	ug/kg	<25.0	1320	1320	838	834	64	63	26-130	0	20		
4-Bromofluorobenzene (S)	%						96	100	48-138				
Dibromofluoromethane (S)	%						121	115	53-165				
Toluene-d8 (S)	%						108	106	54-163				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138822

QC Batch: 237256

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40138822006, 40138822007, 40138822008

SAMPLE DUPLICATE: 1405888

Parameter	Units	40138824008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.9	19.1	1	10	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40138822

QC Batch:	237314	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40138822001, 40138822002, 40138822003, 40138822004, 40138822005		

SAMPLE DUPLICATE: 1406362

Parameter	Units	40139482001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.6	2	10	

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40138822

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40138822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40138822001	GP 76 2.5-5.0	EPA 5035/5030B	236532	EPA 8260	236579
40138822002	GP 76 10.0-12.5	EPA 5035/5030B	236532	EPA 8260	236579
40138822003	GP 77 5.0-7.5	EPA 5035/5030B	236532	EPA 8260	236579
40138822004	GP 77 12.5-15.0	EPA 5035/5030B	236532	EPA 8260	236579
40138822005	GP 78 0.5-2.5	EPA 5035/5030B	236532	EPA 8260	236579
40138822006	GP 78 12.5-15.0	EPA 5035/5030B	236532	EPA 8260	236579
40138822007	GP 79 0.5-2.5	EPA 5035/5030B	236532	EPA 8260	236579
40138822008	GP 79 10-12.5	EPA 5035/5030B	236532	EPA 8260	236579
40138822001	GP 76 2.5-5.0	ASTM D2974-87	237314		
40138822002	GP 76 10.0-12.5	ASTM D2974-87	237314		
40138822003	GP 77 5.0-7.5	ASTM D2974-87	237314		
40138822004	GP 77 12.5-15.0	ASTM D2974-87	237314		
40138822005	GP 78 0.5-2.5	ASTM D2974-87	237314		
40138822006	GP 78 12.5-15.0	ASTM D2974-87	237256		
40138822007	GP 79 0.5-2.5	ASTM D2974-87	237256		
40138822008	GP 79 10-12.5	ASTM D2974-87	237256		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Garrett Fleming
 Branch/Location: Madison WI
 Project Contact: Anthony Miller
 Phone: 608-836-1500
 Project Number: 55929 005
 Project Name: WKR
 Project State: WI
 Sampled By (Print): Chelsea Payne
 Sampled By (Sign): Chelsea Payne
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40138822

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested
N	B-F	CVOCS

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
	GP 75 17 21	9-20-16	11:00	S
	GP 75 81 85			
	GP 75 46 44			
	GP 75 46 50			
001	GP 76 2.5-5.0	9-20-16	15:55	S
002	GP 76 10.0-12.5		16:15	S
003	GP 77 5.0-7.5	9-21-16	8:15	S
004	GP 77 12.5-15.0		8:25	S
005	GP 78 0.5-2.5		10:00	S
006	GP 78 12.5-15.0		10:10	S
007	GP 79 0.5-2.5		10:45	S
008	GP 79 10-12.5		10:55	S

Quote #:		
Mail To Contact:		
Mail To Company:	<u>See box 1</u>	
Mail To Address:	<u>8025 Excelsior Dr. Madison, WI 53717</u>	
Invoice To Contact:	<u>See box 1</u>	
Invoice To Company:	<u>See box 1</u>	
Invoice To Address:		
Invoice To Phone:	<u>608-836-1500</u>	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
<u>One</u>	<u>Report</u>	
<u>Soil</u>	<u>1-40ml V F 1-40ppm</u>	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <u>[Signature]</u> Date/Time: <u>9/21, 11:30</u>	Received By: _____ Date/Time: _____	PACE Project No. <u>40138822</u>
	Transmit Prelim Rush Results by (complete what you want): Email #1: _____ Email #2: _____ Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability	Relinquished By: <u>Dunham 92216 0715</u> Date/Time: _____	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Sample Receipt pH OK / Adjusted
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Gannett Fleming Project #

WO#: 40138822



Courier: Fed Ex UPS Client Pace Other: Dunham
Tracking #: 1215271

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

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: na Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: ROI /Corr: Biological Tissue is Frozen: yes

Temp Blank Present: yes no Samples on ice, cooling process has begun

Person examining contents:
Date: 9-22-16
Initials: MM

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: [Signature] Date: 9-22-16

APPENDIX F

**WRR TABLES CONTAINING ANALYTICAL RESULTS OF
MAY AND OCTOBER 2016 GROUNDWATER SAMPLES AND
PREVIOUS RESULTS DATING BACK TO MAY 9, 2009**

020	Drinking Water			RESULTS MONTH/YEAR																		
	DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40											< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5											< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85											< 0.28		< 0.16	< 0.24		< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	0000753	7	0.7											< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE											< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14											< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7											< 0.42		< 0.26	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichlorobenzene	0000955	600	60											< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5											< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5											< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20											< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	0001064	75	15											< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE											< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800											< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80											< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	0000676	6	0.6											< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3											< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200											< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698											< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE											< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE											< 40.8		< 24.3	< 24.3		657	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE											< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800											< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50											< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12											< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5											< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10											< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE											< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE											< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10											< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5											< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160											< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96											< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400											< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5											< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33
Vinyl Chloride	0000750	0.2	0.02											< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18
Xylene - M & P	1796012	2000	400											< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400											< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

10	Production Well	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
	1,1,1-Trichloroethane	0000715	200	40	9		10		4.2		3.7		20.5	<u>87.5</u>		14	< 25.0		< 13				
	1,1,2-Trichloroethane	0000790	5	0.5	<u>1.6</u>		<u>2.3</u>		<u>1.1</u>		<u>.57</u>		< 7.8	< 3.9			< 7.8		< 12				
	1,1-Dichloroethane	0000753	850	85	16		27		24		17		23.2	26.6		25	37.5		16				
	1,1-Dichloroethene	0000753	7	0.7	<u>.77</u>		< .83		< .42		< .4		< 8.5	< 4.3			< 20.5		< 13				
	1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< 1.1		< .54		< .52		< 15.4	< 7.7			< 107		< 9.5				
	1,2,4-Trichlorobenzene	0001208	70	14	< .22		< 1.3		< .64		< .56		< 50.0	< 25.0			< 110		< 8.8				
	1,2-cis-Dichloroethene	0001565	70	7	<u>31</u>		<u>7.2</u>		2.2		< .41		<u>30.4</u>	<u>34.8</u>		<u>8.4</u>	< 12.8		< 15				
	1,2-Dichlorobenzene	0000955	600	60	< .16		< .63		< .32		< .37		< 8.8	< 4.4			< 25.0		< 9				
	1,2-Dichloroethane	0001070	5	0.5	<u>1.3</u>		<u>2.6</u>		<u>2.4</u>		<u>1.4</u>		< 9.5	< 4.8			< 8.4		< 16				
	1,2-Dichloropropane	0000788	5	0.5	.44		< .87		<u>.61</u>		.42		< 10	< 5.0			< 11.7		< 11				
	1,2-trans-Dichloroethene	0001566	100	20	.41		< 1		< .52		< .39		< 7.4	< 3.7			< 12.8		< 13				
	1,4-Dichlorobenzene	0001064	75	15	< .3		< .89		< .44		< .44		< 8.7	< 4.3			< 25.0		< 16				
	124TRIMTHLBENZEN	0000956	480	96	< .19		< .72		.58		< .47		< 11.4	< 5.0			< 25.0		< 10				
	135TRIMTHLBENZEN	0001086	480	96	< .19		< .78		< .39		< .51		< 50.0	< 5.0			< 25.0		< 13				
	2-Chlorotoluene	0000954	NSE	NSE	< .19		< .8		< .4		< .51		< 9.5	< 4.8			< 25.0		< 14				
	Acetone	0000676	9000	1800	18		39		< 8.3		< 8.3		<u>2420</u>	<u>2020</u>		<u>2300</u>	<u>2850</u>		570				
	Benzene	0000714	5	0.5	< .24		< .78		< .39		< .51		< 10.0	< 5.0			< 25.0		< 15				
	Chloroethane	0000750	400	80	< 1.1		< 6.1		< 3		< 4.1		< 8.9	< 4.4			< 18.7		< 61				
	Chloroform	0000676	6	0.6	< .13		< .81		< .4		< .45		< 13.8	< 6.9			< 125		< 13				
	Chloromethane	0000748	30	3	< .23		< .93		< .47		< .48		< 7.8	< 3.9			< 25.0		< 11				
	Dichlorodifluoromethan	0000757	1000	200	< .25		< 1.2		< .58		< .38		< 8.0	< 4.0			< 10.1		< 14				
	Ethylbenzene	0001004	700	140	.58		2.5		< .41		< .43		34.8	52.3			< 25.0		17				
	Fluorotrichloromethane	0000756	3490	698	< .21		< 1.3		< .63		< .51		< 9.5	< 4.8			< 8.6		< 14				
	Hexachlorobutadiene	0000876	NSE	NSE	< .25		< 1.8		< .89		< .45		< 25.1	< 12.6			< 105		< 12				
	Isopropyl Alcohol	0000676	NSE	NSE	16		< 33		23		< 13		2830	3710		1800	4140		950				
	Isopropyl ether	0001082	NSE	NSE	.18		< .98		< .49		< .38		< 10.0	< 5.0			< 25.0		< 12				
	Isopropylbenzene	0000988	NSE	NSE	< .18		< .86		< .43		< .44		< 6.8	< 3.4			< 7.2		< 12				
	Methyl Ethyl Ketone	0000789	4000	800	2.4		< 4		2.1		< 2		<u>1220</u>	<u>1400</u>		610	<u>990</u>		290				
	Methyl Isobutyl Ketone	0001081	500	50	3		< 2.1		< 1.1		< .63		<u>112</u>	<u>192</u>			< 107		33				
	Methyl tert-butyl Ether	0016340	60	12	< .19		< 1.1		< .57		< .38		< 9.9	< 4.9			< 8.7		< 14				
	Methylene Chloride	0000750	5	0.5	.22		< 1.9		< .96		< .8		< 7.2	< 3.6			13.6		< 13				
	Naphthalene	0000912	100	10	< .32		< 1.6		< .81		< .64		< 50.0	< 25.0			< 125		< 17				
	n-Butylbenzene	0001045	NSE	NSE	< .23		< .72		< .36		< .49		< 8.0	< 4.0			< 25.0		< 9.8				
	p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .76		< .38		< .41		< 7.9	< 4.0			< 25.0		< 11				
	Styrene	0001004	100	10	< .2		< .68		< .34		< .39		< 7.0	< 3.5			< 25.0		< 9.3				
	Tetrachloroethene	0001271	5	0.5	24		33		22		9.9		16.2	13			< 25.0		< 11				
	Toluene	0001088	800	160	6.2		.81		< .34		< .46		<u>718</u>	<u>1070</u>		<u>760</u>	<u>557</u>		<u>340</u>				
	Total TriMthBenzenes	TOTALT	480	96	< .19		< .72		.58		< .47		< 11.4	< 5			< 50		< 23				
	Total Xylenes	TOTAL X	2000	400	1.93		11		10.5		< .45		< 10	< 5		105	< 75		47				
	Trichloroethene	0000790	5	0.5	<u>2.1</u>		<u>1.2</u>		<u>1.9</u>		<u>.67</u>		< 8.6	< 3.6			< 16.5		< 15				
	Vinyl Chloride	0000750	0.2	0.02	1.7		1.9		.84		< .3		9.1	14.2			< 8.8		< 7.8				
	Xylene - M & P	1796012	2000	400	1.2		7.2		6.5		< .91		94.5	140		82	54.4		47				
	Xylene - O	0000954	2000	400	.73		3.8		4		< .45		28.9	44.2		23	< 25.0		< 13				

100	W-1	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40	< .22		< .2		< .21	< .21		< 0.44			< 0.50			< 0.50		< 0.50		
		1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .17		< .25	< .25		< 0.39			< 0.16			< 0.20		< 0.20		
		1,1-Dichloroethane	0000753	850	85	< .21		< .16		< .19	< .19		< 0.28			0.69			< 0.24		< 0.24		
		1,1-Dichloroethene	0000753	7	0.7	< .21		< .15		< .2	< .2		< 0.43			< 0.41			< 0.41		< 0.41		
		1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .23		< .26	< .26		< 0.77			< 2.1			< 2.1		< 2.1		
		1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .3		< .28	< .28		< 2.5			< 2.2			< 2.2		< 2.2		
		1,2-cis-Dichloroethene	0001565	70	7	< .2		< .12		< .21	< .21		< 0.42			1.8			< 0.26		< 0.26		
		1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19	< .19		< 0.44			< 0.50			< 0.50		< 0.50		
		1,2-Dichloroethane	0001070	5	0.5	< .16		< .22		< .24	< .24		< 0.48			< 0.17			< 0.17		< 0.17		
		1,2-Dichloropropane	0000788	5	0.5	< .22		< .21		< .2	< .2		< 0.50			< 0.23			< 0.23		< 0.23		
		1,2-trans-Dichloroethene	0001566	100	20	< .26		< .13		< .19	< .19		< 0.37			< 0.24			< 0.26		< 0.26		
		1,4-Dichlorobenzene	0001064	75	15	< .22		< .13		< .22	< .22		< 0.43			< 0.50			< 0.50		< 0.50		
		124TRIMTHLBENZEN	0000956	480	96	< .18		< .12		< .24	< .24		< 0.57			< 0.50			< 0.50		< 0.50		
		135TRIMTHLBENZEN	0001086	480	96	< .2		< .12		< .25	< .25		< 2.5			< 0.50			< 0.50		< 0.50		
		2-Chlorotoluene	0000954	NSE	NSE	< .2		< .15		< .26	< .26		< 0.48			< 0.50			< 0.50		< 0.50		
		Acetone	0000676	9000	1800	< 4.2		< 4		< 4.2	< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		
		Benzene	0000714	5	0.5	< .2		< .13		< .26	< .26		< 0.50			< 0.50			< 0.50		< 0.50		
		Chloroethane	0000750	400	80	< 1.5		< .67		< 2.1	< 2.1		< 0.44			< 0.37			< 0.37		< 0.37		
		Chloroform	0000676	6	0.6	< .2		< .13		< .23	< .23		< 0.69			< 2.5			< 2.5		< 2.5		
		Chloromethane	0000748	30	3	< .23		.66		< .24	< .24		< 0.39			< 0.50			< 0.50		< 0.50		
		Dichlorodifluoromethan	0000757	1000	200	< .29		< .13		< .19	< .19		< 0.40			< 0.16			< 0.22		< 0.22		
		Ethylbenzene	0001004	700	140	< .21		< .12		< .22	< .22		< 0.50			< 0.50			< 0.50		0.88		
		Fluorotrichloromethane	0000756	3490	698	< .32		< .11		< .25	< .25		< 0.48			< 0.17			< 0.18		< 0.18		
		Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .36		< .23	< .23		< 1.3			< 2.1			< 2.1		< 2.1		
		Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 14		29	13		< 40.8			< 24.3			< 24.3		< 24.3		
		Isopropyl ether	0001082	NSE	NSE	< .25		< .2		< .19	< .19		< 0.50			< 0.50			< 0.50		< 0.50		
		Isopropylbenzene	0000988	NSE	NSE	< .22		< .1		< .22	< .22		< 0.34			< 0.12			< 0.14		< 0.14		
		Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1	< 1		< 2.7			< 3.0			< 3.0		< 3.0		
		Methyl Isobutyl Ketone	0001081	500	50	< .53		< .64		< .31	< .31		< 2.3			< 2.1			< 2.1		< 2.1		
		Methyl tert-butyl Ether	0016340	60	12	< .28		< .13		< .19	.26		< 0.49			< 0.17			< 0.17		< 0.17		
		Methylene Chloride	0000750	5	0.5	<u>2.7</u>		< .27		< .4	< .4		10.3			< 0.23			<u>1.1</u>		< 0.23		
		Naphthalene	0000912	100	10	< .41		< .31		< .32	< .32		< 2.5			< 2.5			< 2.5		< 2.5		
		n-Butylbenzene	0001045	NSE	NSE	< .18		< .14		< .24	< .24		< 0.40			< 0.22			< 0.50		< 0.50		
		p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .11		< .2	< .2		< 0.40			< 0.13			< 0.50		< 0.50		
		Styrene	0001004	100	10	< .17		< .11		< .19	< .19		< 0.35			< 0.15			< 0.50		< 0.50		
		Tetrachloroethene	0001271	5	0.5	< .21		< .18		.2	< .15		< 0.47			< 0.50			< 0.50		< 0.50		
		Toluene	0001088	800	160	< .17		< .16		< .23	< .23		< 0.44			< 0.50			< 0.50		< 0.50		
		Total TriMthBenzenes	TOTALT	480	96	< .18		< .12		< .24	< .24		< .57			< .5			< 1		< 1		
		Total Xylenes	TOTAL X	2000	400	< .24		< .16		< .22	< .22		< .5			< .5			< 1.5		< 1.5		
		Trichloroethene	0000790	5	0.5	.37		< .16		< .25	< .25		< 0.43			< 0.33			< 0.33		< 0.33		
		Vinyl Chloride	0000750	0.2	0.02	< .18		< .17		< .15	< .15		< 0.18			< 0.18			< 0.18		< 0.18		
		Xylene - M & P	1796012	2000	400	< .33		< .22		< .46	< .46		< 0.82			< 1.0			< 1.0		< 1.0		
		Xylene - O	0000954	2000	400	< .24		< .16		< .22	< .22		< 0.50			< 0.50			< 0.50		< 0.50		

103	W-1A	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40	< 3.1	< 55	< 22	< 22	< 2.6	< .82	< 21	< 5.2	< 2.2	< 0.44			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
1,1,2-Trichloroethane	0000790	5	0.5	< 5.2	< 56	< 23	< 23	< 3.2	< 1	< 25	< 6.3	< 1.9	< 0.39			< 0.78	< 0.78		< 0.99	< 0.20	< 0.99	< 0.99	
1,1-Dichloroethane	0000753	850	85	<u>270</u>	<u>220</u>	<u>120</u>	58	19	5.3	< 19	10	6.3	2.6			5.5	7.4		2.8	3.0	3.1	3.6	
1,1-Dichloroethene	0000753	7	0.7	< 5.4	< 52	< 21	< 21	< 2.5	< .8	< 20	< 5	< 2.1	< 0.43			< 2.1	< 2.1		< 2.1	< 0.41	< 2.1	< 2.1	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 7.4	< 68	< 27	< 27	< 3.3	< 1	< 26	< 6.5	< 3.8	< 0.77			< 10.7	< 10.7		< 10.7	< 2.1	< 10.7	< 10.7	
1,2,4-Trichlorobenzene	0001208	70	14	< 5.5	< 80	< 32	< 32	< 3.5	< 1.1	< 28	< 7.1	< 12.5	< 2.5			< 11.0	< 11.0		< 11.0	< 2.2	< 11.0	< 11.0	
1,2-cis-Dichloroethene	0001565	70	7	3500	3400	590	1300	<u>8.8</u>	2.9	960	260	413	<u>64.8</u>			313	323		166	160	134	154	
1,2-Dichlorobenzene	0000955	600	60	< 4	< 40	< 16	< 16	< 2.3	< .74	< 19	< 4.7	< 2.2	< 0.44			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
1,2-Dichloroethane	0001070	5	0.5	< 3.8	< 41	< 16	< 16	< 3.1	< .98	< 24	< 6.1	< 2.4	< 0.48			< 0.84	< 0.84		< 0.84	< 0.17	< 0.84	< 0.84	
1,2-Dichloropropane	0000788	5	0.5	10	< 54	< 22	< 22	< 2.5	< .79	< 20	< 4.9	< 2.5	< 0.50			< 1.2	< 1.2		< 1.2	< 0.23	< 1.2	< 1.2	
1,2-trans-Dichloroethene	0001566	100	20	6.1	< 65	< 26	< 26	< 2.4	< .77	< 19	< 4.8	3.2	0.51			2.7	2.7		< 1.3	0.67	1.4	1.6	
1,4-Dichlorobenzene	0001064	75	15	< 7.4	< 56	< 22	< 22	< 2.7	< .87	< 22	< 5.5	< 2.2	< 0.43			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
124TRIMTHLBENZEN	0000956	480	96	< 4.8	< 45	< 18	< 18	< 3	< .94	< 24	< 5.9	< 2.9	< 0.50			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
135TRIMTHLBENZEN	0001086	480	96	< 4.9	< 49	< 20	< 20	< 3.2	< 1	< 25	< 6.4	< 12.5	< 0.50			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
2-Chlorotoluene	0000954	NSE	NSE	< 4.7	< 50	< 20	< 20	< 3.2	< 1	< 26	< 6.4	< 2.4	< 0.48			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Acetone	0000676	9000	1800	< 100	< 1000	< 420	< 420	< 52	< 17	< 420	< 100	< 12.9	< 2.6			< 14.8	< 14.8		< 14.8	< 3.0	< 14.8	< 14.8	
Benzene	0000714	5	0.5	< 6	< 49	< 20	< 20	< 3.2	< 1	< 26	< 6.4	< 2.5	< 0.50			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Chloroethane	0000750	400	80	< 29	< 380	< 150	< 150	< 26	< 8.2	< 210	< 51	< 2.2	< 0.44			< 1.9	< 1.9		< 1.9	< 0.37	< 1.9	< 1.9	
Chloroform	0000676	6	0.6	< 3.3	< 51	< 20	< 20	< 2.8	< .9	< 23	< 5.6	< 3.4	< 0.69			< 12.5	< 12.5		< 12.5	< 2.5	< 12.5	< 12.5	
Chloromethane	0000748	30	3	< 5.8	< 58	< 23	< 23	< 3	< .96	< 24	< 6	< 1.9	< 0.39			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Dichlorodifluoromethan	0000757	1000	200	< 6.2	< 72	42	< 29	< 2.4	< .76	< 19	< 4.8	< 2.0	< 0.40			< 0.78	26.2		< 1.1	< 0.22	< 1.1	< 1.1	
Ethylbenzene	0001004	700	140	<u>470</u>	<u>440</u>	<u>170</u>	84	< 2.7	5.1	77	70	<u>155</u>	2.9			<u>295</u>	<u>184</u>		<u>142</u>	76.1	18.1	49.6	
Fluorotrichloromethane	0000756	3490	698	< 5.3	< 79	< 32	< 32	< 3.2	< 1	< 25	< 6.4	< 2.4	< 0.48			< 0.86	< 0.86		< 0.92	< 0.18	< 0.92	< 0.92	
Hexachlorobutadiene	0000876	NSE	NSE	< 6.2	< 110	< 45	< 45	< 2.8	< .9	< 23	< 5.7	< 6.3	< 1.3			< 10.5	< 10.5		< 10.5	< 2.1	< 10.5	< 10.5	
Isopropyl Alcohol	0000676	NSE	NSE	< 250	< 2100	< 830	< 830	< 79	< 25	< 630	< 160	< 204	< 40.8			< 122	< 122		< 122	< 24.3	< 122	< 122	
Isopropyl ether	0001082	NSE	NSE	< 3.9	< 61	< 25	< 25	< 2.4	< .76	< 19	< 4.7	< 2.5	< 0.50			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Isopropylbenzene	0000988	NSE	NSE	< 4.4	< 54	< 22	< 22	< 2.8	< .89	< 22	< 5.6	< 1.7	< 0.34			< 0.58	< 0.72		< 0.72	0.34	< 0.72	< 0.72	
Methyl Ethyl Ketone	0000789	4000	800	< 12	< 250	< 100	< 100	< 13	< 4	< 100	< 25	< 13.5	< 2.7			< 14.9	< 14.9		< 14.9	< 3.0	< 14.9	< 14.9	
Methyl Isobutyl Ketone	0001081	500	50	< 9.2	< 130	< 53	< 53	< 3.9	< 1.3	< 31	< 7.8	< 11.7	< 2.3			< 10.7	< 10.7		< 10.7	< 2.1	< 10.7	< 10.7	
Methyl tert-butyl Ether	0016340	60	12	< 4.8	< 71	< 28	< 28	< 2.4	< .76	< 19	< 4.8	< 2.5	< 0.49			< 0.87	< 0.87		< 0.87	< 0.17	< 0.87	< 0.87	
Methylene Chloride	0000750	5	0.5	< 5.5	< 120	< 48	< 48	< 5	< 1.6	< 40	< 10	< 1.8	< 0.36			< 1.2	< 1.2		< 1.2	< 0.23	< 1.2	< 1.2	
Naphthalene	0000912	100	10	< 7.9	< 100	< 41	< 41	< 4	< 1.3	< 32	8.3	< 12.5	< 2.5			< 12.5	< 12.5		< 12.5	< 2.5	< 12.5	< 12.5	
n-Butylbenzene	0001045	NSE	NSE	< 5.6	< 45	< 18	< 18	< 3.1	< .98	< 24	< 6.1	< 2.0	< 0.40			< 1.1	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
p-Isopropyltoluene	0000998	NSE	NSE	< 4.1	< 48	< 19	< 19	< 2.5	< .81	< 20	< 5.1	< 2.0	< 0.40			< 0.63	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Styrene	0001004	100	10	< 5	< 43	< 17	< 17	< 2.4	< .78	< 19	< 4.9	< 1.7	< 0.35			< 0.77	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Tetrachloroethene	0001271	5	0.5	< 3	< 52	< 21	< 21	< 1.8	< .58	< 15	< 3.7	< 2.4	< 0.47			< 2.5	< 2.5		< 2.5	< 0.50	< 2.5	< 2.5	
Toluene	0001088	800	160	14	< 43	< 17	< 17	< 2.9	2.7	< 23	11	15.9	1.5			12.4	24.4		5.7	3.3	< 2.5	10.3	
Total TriMthBenzenes	TOTALT	480	96	< 4.8	< 45	< 18	< 18	< 3	< .94	< 24	< 5.9	< 12.5	< .5			< 2.5	< 5		< 5	< 1	< 5	< 5	
Total Xylenes	TOTAL X	2000	400	<u>455.9</u>	<u>450</u>	270	170	< 2.8	10	65	69	< 2.5	< .5			< 2.5	52.5		38.6	47.3	42.5	265.7	
Trichloroethene	0000790	5	0.5	< 9.3	< 42	< 17	< 17	< 3.1	< .99	< 25	< 6.2	< 2.1	< 0.36			< 1.7	< 1.7		< 1.7	< 0.33	< 1.7	< 1.7	
Vinyl Chloride	0000750	0.2	0.02	360	650	1100	440	200	57	300	320	300	111			273	403		244	253	273	370	
Xylene - M & P	1796012	2000	400	<u>450</u>	<u>450</u>	270	170	< 5.7	10	65	69	91.6	2.1			38.3	47.0		36.0	43.6	39.2	254	
Xylene - O	0000954	2000	400	5.9	< 60	< 24	< 24	< 2.8	< .9	< 22	< 5.6	4.1	< 0.50			3.0	5.5		2.6	3.7	3.3	11.7	

109	W-1D	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40	< 6.3	< 55	< 22	< 17	< 1.1	< 1	< 10	< 2.6	< 2.2	< 0.44	< 0.44	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
1,1,2-Trichloroethane	0000790	5	0.5	< 10	< 56	< 23	< 18	< 1.1	< 1.3	< 13	< 3.2	< 1.9	< 0.39	< 0.39	< 0.31	< 0.62		< 0.79	< 0.20	< 0.39	< 0.39		
1,1-Dichloroethane	0000753	850	85	<u>270</u>	<u>200</u>	<u>180</u>	<u>110</u>	76	53	45	21	41.9	6.8	39.0	28.2	30.9		13.8	5.3	10.0	10.6		
1,1-Dichloroethene	0000753	7	0.7	< 11	< 52	< 21	< 17	< 1	< 1	< 10	< 2.5	< 2.1	< 0.43	< 0.43	< 0.82	< 1.6		< 1.6	< 0.41	< 0.82	< 0.82		
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 15	< 68	< 27	< 22	< 1.4	< 1.3	< 13	< 3.3	< 3.8	< 0.77	< 0.77	< 4.3	< 8.5		< 8.5	< 2.1	< 4.3	< 4.3		
1,2,4-Trichlorobenzene	0001208	70	14	< 11	< 80	< 32	< 25	< 1.6	< 1.4	< 14	< 3.5	< 12.5	< 2.5	< 2.5	< 4.4	< 8.8		< 8.8	< 2.2	< 4.4	< 4.4		
1,2-cis-Dichloroethene	0001565	70	7	1600	1200	1200	800	3.4	390	410	110	169	< 0.42	193	93.7	64.8		26.4	3.2	14.7	13.6		
1,2-Dichlorobenzene	0000955	600	60	< 7.9	< 40	< 16	< 13	< .79	< .93	< 9.3	< 2.3	< 2.2	< 0.44	< 0.44	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
1,2-Dichloroethane	0001070	5	0.5	< 7.6	< 41	< 16	< 13	<u>.84</u>	< 1.2	< 12	< 3.1	< 2.4	< 0.48	< 0.48	0.48	< 0.67		< 0.67	< 0.17	< 0.34	< 0.34		
1,2-Dichloropropane	0000788	5	0.5	20	< 54	< 22	< 17	5	<u>4</u>	< 9.9	< 2.5	< 2.5	< 0.50	< 0.50	< 0.47	< 0.93		< 0.93	< 0.23	< 0.47	< 0.47		
1,2-trans-Dichloroethene	0001566	100	20	< 10	< 65	< 26	< 21	2.5	2.9	< 9.7	< 2.4	3.1	0.69	1.9	2.7	2.0		< 1.0	0.66	0.69	0.80		
1,4-Dichlorobenzene	0001064	75	15	< 15	< 56	< 22	< 18	< 1.1	< 1.1	< 11	< 2.7	< 2.2	< 0.43	< 0.43	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
124TRIMTHLBENZEN	0000956	480	96	39	< 45	< 18	< 14	< .91	7	< 12	3.6	5.8	< 0.50	8.1	2.7	3.5		4.1	1.0	3.7	2.1		
135TRIMTHLBENZEN	0001086	480	96	13	< 49	< 20	< 16	< .98	1.7	< 13	< 3.2	< 12.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
2-Chlorotoluene	0000954	NSE	NSE	< 9.5	< 50	< 20	< 16	< 1	< 1.3	< 13	< 3.2	< 2.4	< 0.48	< 0.48	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Acetone	0000676	9000	1800	< 200	< 1000	< 420	< 330	29	< 21	< 210	< 52	< 12.9	< 2.6	< 2.6	< 5.9	< 11.8		42.5	< 3.0	< 5.9	< 5.9		
Benzene	0000714	5	0.5	13	< 49	< 20	< 16	<u>1.3</u>	<u>3.5</u>	< 13	< 3.2	< 2.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Chloroethane	0000750	400	80	<u>110</u>	< 380	< 150	< 120	< 7.6	19	< 100	< 26	5.9	< 0.44	< 0.44	< 0.75	< 1.5		< 1.5	< 0.37	< 0.75	< 0.75		
Chloroform	0000676	6	0.6	< 6.5	< 51	< 20	< 16	< 1	< 1.1	< 11	< 2.8	< 3.4	< 0.69	< 0.69	< 5.0	< 10.0		< 10.0	< 2.5	< 5.0	< 5.0		
Chloromethane	0000748	30	3	< 12	120	< 23	< 19	< 1.2	< 1.2	< 12	< 3	< 1.9	< 0.39	< 0.39	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Dichlorodifluoromethan	0000757	1000	200	< 12	< 72	< 29	< 23	< 1.4	< .95	< 9.5	< 2.4	< 2.0	< 0.40	< 0.40	< 0.31	16.5		< 0.90	< 0.22	< 0.45	< 0.45		
Ethylbenzene	0001004	700	140	1100	1300	<u>660</u>	<u>480</u>	1.3	<u>290</u>	<u>370</u>	<u>150</u>	<u>422</u>	1.3	448	330	264		160	13.3	164	169		
Fluorotrichloromethane	0000756	3490	698	< 11	< 79	< 32	< 25	< 1.6	< 1.3	< 13	< 3.2	< 2.4	< 0.48	< 0.48	< 0.34	< 0.69		< 0.74	< 0.18	< 0.37	< 0.37		
Hexachlorobutadiene	0000876	NSE	NSE	< 12	< 110	< 45	< 36	< 2.2	< 1.1	< 11	< 2.8	< 6.3	< 1.3	< 1.3	< 4.2	< 8.4		< 8.4	< 2.1	< 4.2	< 4.2		
Isopropyl Alcohol	0000676	NSE	NSE	< 500	< 2100	< 830	< 660	< 41	< 32	< 320	< 79	< 204	< 40.8	< 40.8	< 48.7	< 97.4		790	< 24.3	< 48.7	< 48.7		
Isopropyl ether	0001082	NSE	NSE	< 7.8	< 61	< 25	< 20	< 1.2	< .95	< 9.5	< 2.4	< 2.5	< 0.50	< 0.50	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Isopropylbenzene	0000988	NSE	NSE	< 8.8	< 54	< 22	< 17	< 1.1	2.3	< 11	< 2.8	2.3	< 0.34	2.8	1.2	0.98		0.98	0.29	0.95	1.0		
Methyl Ethyl Ketone	0000789	4000	800	< 25	< 250	< 100	< 80	< 5	< 5	< 50	< 13	< 13.5	< 2.7	< 2.7	< 6.0	< 11.9		< 11.9	< 3.0	< 6.0	< 6.0		
Methyl Isobutyl Ketone	0001081	500	50	< 18	< 130	< 53	< 42	< 2.7	< 1.6	< 16	< 3.9	< 11.7	< 2.3	< 2.3	< 4.3	< 8.6		< 8.6	< 2.1	< 4.3	< 4.3		
Methyl tert-butyl Ether	0016340	60	12	< 9.6	< 71	< 28	< 23	< 1.4	< .95	< 9.5	< 2.4	< 2.5	< 0.49	< 0.49	< 0.35	< 0.70		< 0.70	< 0.17	< 0.35	< 0.35		
Methylene Chloride	0000750	5	0.5	< 11	< 120	< 48	< 38	< 2.4	< 2	< 20	< 5	< 1.8	< 0.36	< 0.36	< 0.47	< 0.93		< 0.93	< 0.23	< 0.47	< 0.47		
Naphthalene	0000912	100	10	< 16	< 100	< 41	< 32	< 2	< 1.6	< 16	< 4	< 12.5	< 2.5	< 2.5	< 5.0	< 10.0		< 10.0	< 2.5	< 5.0	< 5.0		
n-Butylbenzene	0001045	NSE	NSE	< 11	< 45	< 18	< 14	< .91	< 1.2	< 12	< 3.1	< 2.0	< 0.40	< 0.40	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
p-Isopropyltoluene	0000998	NSE	NSE	< 8.2	< 48	< 19	< 15	< .95	< 1	< 10	< 2.5	< 2.0	< 0.40	< 0.40	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Styrene	0001004	100	10	< 10	< 43	< 17	< 14	< .86	4.5	< 9.7	< 2.4	< 1.7	< 0.35	< 0.35	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Tetrachloroethene	0001271	5	0.5	< 5.9	< 52	< 21	< 16	< 1	< .73	< 7.3	< 1.8	< 2.4	< 0.47	< 0.47	< 1.0	< 2.0		< 2.0	< 0.50	< 1.0	< 1.0		
Toluene	0001088	800	160	3300	3100	1000	<u>790</u>	7.9	<u>310</u>	<u>300</u>	87	129	1.3	160	78.7	58.0		20.0	1.7	12.0	11.7		
Total TriMthBenzenes	TOTALT	480	96	52	< 45	< 18	< 14	< .91	8.7	< 12	3.6	< 12.5	< .5	< .5	< 1	< 4		4.1	1	3.7	2.1		
Total Xylenes	TOTAL X	2000	400	3830	3980	2010	<u>1270</u>	6.5	<u>980</u>	<u>1300</u>	<u>540</u>	< 2.5	< .5	< .5	< 1	<u>824</u>		<u>458</u>	25.3	<u>426</u>	387		
Trichloroethene	0000790	5	0.5	< 19	< 42	< 17	< 13	< .84	< 1.2	< 12	< 3.1	< 2.1	< 0.36	< 0.36	< 0.66	< 1.3		< 1.3	< 0.33	< 0.66	< 0.66		
Vinyl Chloride	0000750	0.2	0.02	670	560	630	460	3.3	290	240	120	94.3	1.8	89.5	35.5	34.2		3.6	4.2	10.9	11.3		
Xylene - M & P	1796012	2000	400	2900	3000	<u>1500</u>	<u>960</u>	4.1	<u>740</u>	<u>1000</u>	<u>430</u>	<u>1100</u>	1.7	<u>1050</u>	<u>677</u>	<u>628</u>		355	20.5	330	298		
Xylene - O	0000954	2000	400	<u>930</u>	<u>980</u>	<u>510</u>	310	2.4	240	300	110	355	0.78	327	235	196		103	4.8	96.0	89.0		

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40				<u>85</u>					37.0			23.2			20.7		16.8	
1,1,2-Trichloroethane	0000790	5	0.5				< .25					< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85				.23					< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7				<u>2</u>					<u>1.6</u>			0.56			0.51		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE				< .26					< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14				< .28					< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7				< .21					< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60				< .19					< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5				< .24					< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5				< .2					< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20				< .19					< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15				< .22					< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96				< .24					< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96				< .25					< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE				< .26					< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800				4.7					< 2.6			< 3.0			5.0		< 3.0	
Benzene	0000714	5	0.5				< .26					< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80				< 2.1					< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6				< .23					< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3				< .24					< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200				< .19					< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140				< .22					< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698				< .25					< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE				< .23					< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE				31					< 40.8			30.6			129		< 24.3	
Isopropyl ether	0001082	NSE	NSE				< .19					< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE				< .22					< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800				1.8					< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50				< .31					< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12				< .19					< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5				< .4					< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10				< .32					< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE				< .24					< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE				< .2					< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10				< .19					< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5				68					45.8			21.6			27.1		31.0	
Toluene	0001088	800	160				< .23					< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96				< .24					< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400				< .22					< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5				18					9.4			6.0			4.5		3.3	
Vinyl Chloride	0000750	0.2	0.02				< .15					< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400				< .46					< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400				< .22					< 0.50			< 0.50			< 0.50		< 0.50	

115	W-2A	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		10		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28			2.3			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		.16		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42			1.2			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37			0.76			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		< 4		< 4.2		< 4.2		< 2.6			< 3.0			3.2		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44			1.5			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		< 6.3		< 40.8			36.5			75.8		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		.31		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		8.1		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .16		< .17		< .23		< 0.44			7.6			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		<u>2.3</u>		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50	

118	W-2B	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40									5		1.7				1.0		0.98	
		1,1,2-Trichloroethane	0000790	5	0.5									< 0.39		< 0.16				< 0.20		< 0.20	
		1,1-Dichloroethane	0000753	850	85									0.43		0.22				< 0.24		< 0.24	
		1,1-Dichloroethene	0000753	7	0.7									0.45		< 0.41				< 0.41		< 0.41	
		1,2,3-Trichlorobenzene	0000876	NSE	NSE									< 0.77		< 2.1				< 2.1		< 2.1	
		1,2,4-Trichlorobenzene	0001208	70	14									< 2.5		< 2.2				< 2.2		< 2.2	
		1,2-cis-Dichloroethene	0001565	70	7									< 0.42		< 0.26				< 0.26		< 0.26	
		1,2-Dichlorobenzene	0000955	600	60									< 0.44		< 0.50				< 0.50		< 0.50	
		1,2-Dichloroethane	0001070	5	0.5									< 0.48		< 0.17				< 0.17		< 0.17	
		1,2-Dichloropropane	0000788	5	0.5									< 0.50		< 0.23				< 0.23		< 0.23	
		1,2-trans-Dichloroethene	0001566	100	20									< 0.37		< 0.24				< 0.26		< 0.26	
		1,4-Dichlorobenzene	0001064	75	15									< 0.43		< 0.50				< 0.50		< 0.50	
		124TRIMTHLBENZEN	0000956	480	96									< 0.50		< 0.50				< 0.50		< 0.50	
		135TRIMTHLBENZEN	0001086	480	96									< 0.50		< 0.50				< 0.50		< 0.50	
		2-Chlorotoluene	0000954	NSE	NSE									< 0.48		< 0.50				< 0.50		< 0.50	
		Acetone	0000676	9000	1800									< 2.6		< 3.0				< 3.0		< 3.0	
		Benzene	0000714	5	0.5									< 0.50		< 0.50				< 0.50		< 0.50	
		Chloroethane	0000750	400	80									< 0.44		< 0.37				< 0.37		< 0.37	
		Chloroform	0000676	6	0.6									< 0.69		< 2.5				< 2.5		< 2.5	
		Chloromethane	0000748	30	3									< 0.39		< 0.50				< 0.50		< 0.50	
		Dichlorodifluoromethan	0000757	1000	200									< 0.40		< 0.16				< 0.22		< 0.22	
		Ethylbenzene	0001004	700	140									< 0.50		< 0.50				< 0.50		< 0.50	
		Fluorotrichloromethane	0000756	3490	698									< 0.48		< 0.17				< 0.18		< 0.18	
		Hexachlorobutadiene	0000876	NSE	NSE									< 1.3		< 2.1				< 2.1		< 2.1	
		Isopropyl Alcohol	0000676	NSE	NSE									< 40.8		< 24.3				26.8		< 24.3	
		Isopropyl ether	0001082	NSE	NSE									< 0.50		< 0.50				< 0.50		< 0.50	
		Isopropylbenzene	0000988	NSE	NSE									< 0.34		< 0.12				< 0.14		< 0.14	
		Methyl Ethyl Ketone	0000789	4000	800									< 2.7		< 3.0				< 3.0		< 3.0	
		Methyl Isobutyl Ketone	0001081	500	50									< 2.3		< 2.1				< 2.1		< 2.1	
		Methyl tert-butyl Ether	0016340	60	12									< 0.49		< 0.17				< 0.17		< 0.17	
		Methylene Chloride	0000750	5	0.5									< 0.36		< 0.23				< 0.23		< 0.23	
		Naphthalene	0000912	100	10									< 2.5		< 2.5				< 2.5		< 2.5	
		n-Butylbenzene	0001045	NSE	NSE									< 0.40		< 0.22				< 0.50		< 0.50	
		p-Isopropyltoluene	0000998	NSE	NSE									< 0.40		< 0.13				< 0.50		< 0.50	
		Styrene	0001004	100	10									< 0.35		< 0.15				< 0.50		< 0.50	
		Tetrachloroethene	0001271	5	0.5									<u>2.1</u>		<u>0.86</u>				<u>0.79</u>		<u>1.1</u>	
		Toluene	0001088	800	160									1.9		1.7				< 0.50		< 0.50	
		Total TriMthBenzenes	TOTALT	480	96									< .5		< .5				< 1		< 1	
		Total Xylenes	TOTAL X	2000	400									< .5		< .5				< 1.5		< 1.5	
		Trichloroethene	0000790	5	0.5									<u>3.5</u>		<u>0.91</u>				0.35		0.48	
		Vinyl Chloride	0000750	0.2	0.02									< 0.18		< 0.18				< 0.18		< 0.18	
		Xylene - M & P	1796012	2000	400									< 0.82		< 1.0				< 1.0		< 1.0	
		Xylene - O	0000954	2000	400									< 0.50		< 0.50				< 0.50		< 0.50	

121	W-3	RESULTS MONTH/YEAR																							
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16		
1,1,1-Trichloroethane	0000715	200	40					< .21						< 0.44						< 0.50			< 0.50		< 0.50
1,1,2-Trichloroethane	0000790	5	0.5					< .25						< 0.39						< 0.16			< 0.20		< 0.20
1,1-Dichloroethane	0000753	850	85					< .19						< 0.28						< 0.16			< 0.24		< 0.24
1,1-Dichloroethene	0000753	7	0.7					< .2						< 0.43						< 0.41			< 0.41		< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE					< .26						< 0.77						< 2.1			< 2.1		< 2.1
1,2,4-Trichlorobenzene	0001208	70	14					< .28						< 2.5						< 2.2			< 2.2		< 2.2
1,2-cis-Dichloroethene	0001565	70	7					< .21						< 0.42						< 0.26			< 0.26		< 0.26
1,2-Dichlorobenzene	0000955	600	60					< .19						< 0.44						< 0.50			< 0.50		< 0.50
1,2-Dichloroethane	0001070	5	0.5					< .24						< 0.48						< 0.17			< 0.17		< 0.17
1,2-Dichloropropane	0000788	5	0.5					< .2						< 0.50						< 0.23			< 0.23		< 0.23
1,2-trans-Dichloroethene	0001566	100	20					< .19						< 0.37						< 0.24			< 0.26		< 0.26
1,4-Dichlorobenzene	0001064	75	15					< .22						< 0.43						< 0.50			< 0.50		< 0.50
124TRIMTHLBENZEN	0000956	480	96					< .24						< 0.57						< 0.50			< 0.50		< 0.50
135TRIMTHLBENZEN	0001086	480	96					< .25						< 2.5						< 0.50			< 0.50		< 0.50
2-Chlorotoluene	0000954	NSE	NSE					< .26						< 0.48						< 0.50			< 0.50		< 0.50
Acetone	0000676	9000	1800					9						2.9						< 3.0			< 3.0		< 3.0
Benzene	0000714	5	0.5					< .26						< 0.50						< 0.50			< 0.50		< 0.50
Chloroethane	0000750	400	80					< 2.1						< 0.44						< 0.37			< 0.37		< 0.37
Chloroform	0000676	6	0.6					< .23						< 0.69						< 2.5			< 2.5		< 2.5
Chloromethane	0000748	30	3					< .24						< 0.39						< 0.50			< 0.50		< 0.50
Dichlorodifluoromethan	0000757	1000	200					< .19						< 0.40						< 0.16			< 0.22		< 0.22
Ethylbenzene	0001004	700	140					< .22						< 0.50						< 0.50			< 0.50		< 0.50
Fluorotrichloromethane	0000756	3490	698					< .25						< 0.48						< 0.17			< 0.18		< 0.18
Hexachlorobutadiene	0000876	NSE	NSE					< .23						< 1.3						< 2.1			< 2.1		< 2.1
Isopropyl Alcohol	0000676	NSE	NSE					44						< 40.8						31.2			26.0		< 24.3
Isopropyl ether	0001082	NSE	NSE					< .19						< 0.50						< 0.50			< 0.50		< 0.50
Isopropylbenzene	0000988	NSE	NSE					< .22						< 0.34						< 0.12			< 0.14		< 0.14
Methyl Ethyl Ketone	0000789	4000	800					< 1						< 2.7						< 3.0			< 3.0		< 3.0
Methyl Isobutyl Ketone	0001081	500	50					< .31						< 2.3						< 2.1			< 2.1		< 2.1
Methyl tert-butyl Ether	0016340	60	12					< .19						< 0.49						< 0.17			< 0.17		< 0.17
Methylene Chloride	0000750	5	0.5					< .4						< 0.36						< 0.23			< 0.23		< 0.23
Naphthalene	0000912	100	10					< .32						< 2.5						< 2.5			< 2.5		< 2.5
n-Butylbenzene	0001045	NSE	NSE					< .24						< 0.40						< 0.22			< 0.50		< 0.50
p-Isopropyltoluene	0000998	NSE	NSE					< .2						< 0.40						< 0.13			< 0.50		< 0.50
Styrene	0001004	100	10					< .19						< 0.35						< 0.15			< 0.50		< 0.50
Tetrachloroethene	0001271	5	0.5					.35						< 0.47						< 0.50			< 0.50		< 0.50
Toluene	0001088	800	160					< .23						< 0.44						< 0.50			< 0.50		< 0.50
Total TriMthBenzenes	TOTALT	480	96					< .24						< .57						< .5			< 1		< 1
Total Xylenes	TOTAL X	2000	400					< .22						< .5						< .5			< 1.5		< 1.5
Trichloroethene	0000790	5	0.5					< .25						< 0.43						< 0.33			< 0.33		< 0.33
Vinyl Chloride	0000750	0.2	0.02					< .15						< 0.18						< 0.18			< 0.18		< 0.18
Xylene - M & P	1796012	2000	400					< .46						< 0.82						< 1.0			< 1.0		< 1.0
Xylene - O	0000954	2000	400					< .22						< 0.50						< 0.50			< 0.50		< 0.50

124	W-3A	RESULTS MONTH/YEAR																				
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21		< 0.44				< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39				< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28				< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2		< 0.43				< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77				< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5				< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42				< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44				< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48				< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50				< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37				< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43				< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57				< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5				< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48				< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		4		< 4.2		6.6		< 2.6				< 3.0			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50				< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44				< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69				< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		< 0.39				< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40				< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50				< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48				< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3				< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		20		< 40.8				< 24.3			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50				< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34				< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	.54		< 1		< 1		< 1		< 2.7				< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3				< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49				< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		.4		< .48		< .4		< 0.36				< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5				< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40				< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40				< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35				< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15		< 0.47				< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		.21		< .17		< .23		< 0.44				0.97			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57				< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5				< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		.27		< 0.43				< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18				< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82				< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50				< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		.45		< .19		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		.38		< .21		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		9.2		< 4.2		< 4.2		< 2.6			< 3.0			3.2		< 3.0	
Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 1.5		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		9.1		< 8.3		9.6		< 40.8			27.8			26.2		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5		2.2		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		.2		2.1		< .23		< 0.44			1.0			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50	

130	W-4	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40					< .21		< .21			< 0.44			< 0.50			< 0.50		< 0.50		
1,1,2-Trichloroethane	0000790	5	0.5					< .25		< .25			< 0.39			< 0.16			< 0.20		< 0.20		
1,1-Dichloroethane	0000753	850	85					< .19		< .19			< 0.28			< 0.16			< 0.24		< 0.24		
1,1-Dichloroethene	0000753	7	0.7					< .2		< .2			< 0.43			< 0.41			< 0.41		< 0.41		
1,2,3-Trichlorobenzene	0000876	NSE	NSE					< .26		< .26			< 0.77			< 2.1			< 2.1		< 2.1		
1,2,4-Trichlorobenzene	0001208	70	14					< .28		< .28			< 2.5			< 2.2			< 2.2		< 2.2		
1,2-cis-Dichloroethene	0001565	70	7					< .21		< .21			< 0.42			< 0.26			< 0.26		< 0.26		
1,2-Dichlorobenzene	0000955	600	60					< .19		< .19			< 0.44			< 0.50			< 0.50		< 0.50		
1,2-Dichloroethane	0001070	5	0.5					< .24		< .24			< 0.48			< 0.17			< 0.17		< 0.17		
1,2-Dichloropropane	0000788	5	0.5					< .2		< .2			< 0.50			< 0.23			< 0.23		< 0.23		
1,2-trans-Dichloroethene	0001566	100	20					< .19		< .19			< 0.37			< 0.24			< 0.26		< 0.26		
1,4-Dichlorobenzene	0001064	75	15					< .22		< .22			< 0.43			< 0.50			< 0.50		< 0.50		
124TRIMTHLBENZEN	0000956	480	96					< .24		< .24			< 0.57			< 0.50			< 0.50		< 0.50		
135TRIMTHLBENZEN	0001086	480	96					< .25		< .25			< 2.5			< 0.50			< 0.50		< 0.50		
2-Chlorotoluene	0000954	NSE	NSE					< .26		< .26			< 0.48			< 0.50			< 0.50		< 0.50		
Acetone	0000676	9000	1800					4.4		34			6.7			6.8			< 3.0		< 3.0		
Benzene	0000714	5	0.5					< .26		< .26			< 0.50			< 0.50			< 0.50		< 0.50		
Chloroethane	0000750	400	80					< 2.1		< 2.1			< 0.44			< 0.37			< 0.37		< 0.37		
Chloroform	0000676	6	0.6					< .23		< .23			< 0.69			< 2.5			< 2.5		< 2.5		
Chloromethane	0000748	30	3					< .24		< .24			< 0.39			< 0.50			< 0.50		< 0.50		
Dichlorodifluoromethan	0000757	1000	200					< .19		< .19			< 0.40			< 0.16			< 0.22		< 0.22		
Ethylbenzene	0001004	700	140					< .22		< .22			< 0.50			< 0.50			< 0.50		< 0.50		
Fluorotrichloromethane	0000756	3490	698					< .25		< .25			< 0.48			< 0.17			< 0.18		< 0.18		
Hexachlorobutadiene	0000876	NSE	NSE					< .23		< .23			< 1.3			< 2.1			< 2.1		< 2.1		
Isopropyl Alcohol	0000676	NSE	NSE					45		19			< 40.8			82.8			< 24.3		< 24.3		
Isopropyl ether	0001082	NSE	NSE					< .19		< .19			< 0.50			< 0.50			< 0.50		< 0.50		
Isopropylbenzene	0000988	NSE	NSE					< .22		< .22			< 0.34			< 0.12			< 0.14		< 0.14		
Methyl Ethyl Ketone	0000789	4000	800					< 1		< 1			< 2.7			< 3.0			< 3.0		< 3.0		
Methyl Isobutyl Ketone	0001081	500	50					< .31		2.6			< 2.3			< 2.1			< 2.1		< 2.1		
Methyl tert-butyl Ether	0016340	60	12					< .19		< .19			< 0.49			115			< 0.17		< 0.17		
Methylene Chloride	0000750	5	0.5					< .4		< .4			< 0.36			<u>1.0</u>			< 0.23		< 0.23		
Naphthalene	0000912	100	10					< .32		< .32			< 2.5			< 2.5			< 2.5		< 2.5		
n-Butylbenzene	0001045	NSE	NSE					< .24		< .24			< 0.40			< 0.22			< 0.50		< 0.50		
p-Isopropyltoluene	0000998	NSE	NSE					< .2		< .2			< 0.40			< 0.13			< 0.50		< 0.50		
Styrene	0001004	100	10					< .19		< .19			< 0.35			< 0.15			< 0.50		< 0.50		
Tetrachloroethene	0001271	5	0.5					<u>2.9</u>		<u>.61</u>			<u>0.70</u>			<u>0.57</u>			< 0.50		< 0.50		
Toluene	0001088	800	160					< .23		< .23			< 0.44			< 0.50			< 0.50		< 0.50		
Total TriMthBenzenes	TOTALT	480	96					< .24		< .24			< .57			< .5			< 1		< 1		
Total Xylenes	TOTAL X	2000	400					< .22		< .22			< .5			< .5			< 1.5		< 1.5		
Trichloroethene	0000790	5	0.5					< .25		< .25			< 0.43			< 0.33			< 0.33		< 0.33		
Vinyl Chloride	0000750	0.2	0.02					< .15		< .15			< 0.18			< 0.18			< 0.18		< 0.18		
Xylene - M & P	1796012	2000	400					< .46		< .46			< 0.82			< 1.0			< 1.0		< 1.0		
Xylene - O	0000954	2000	400					< .22		< .22			< 0.50			< 0.50			< 0.50		< 0.50		

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	4.7	8.4	<u>57</u>	<u>81</u>	40	<u>69</u>	<u>120</u>	270	23.5	25		<u>40.9</u>	23.6		<u>49.8</u>	<u>49.3</u>	12.4	2.3
1,1,2-Trichloroethane	0000790	5	0.5	< 1	< .56	< .17	< 1.3	< 2.5	< 2.5	< 5.1	< 5.1	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	31	32	<u>130</u>	71	20	81	<u>200</u>	<u>370</u>	16.4	41.9		67.9	22.8		68.4	38.0	9.9	0.35
1,1-Dichloroethene	0000753	7	0.7	< 1.1	< .52	< .15	< 1.2	< 2	< 2	< 4	< 4	<u>1.3</u>	< 0.43		< 0.41	0.51		< 0.41	0.61	<u>0.76</u>	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.5	< .68	< .23	< 1.8	< 2.6	< 2.6	< 5.2	< 5.2	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< 1.1	< .8	< .3	< 2.4	< 2.8	< 2.8	< 5.6	< 5.6	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	<u>11</u>	<u>13</u>	95	<u>68</u>	<u>18</u>	<u>53</u>	140	290	<u>13.9</u>	<u>21.7</u>		<u>37.1</u>	6.8		<u>24.5</u>	<u>9.3</u>	3.2	0.49
1,2-Dichlorobenzene	0000955	600	60	< .79	< .4	< .13	< 1	< 1.9	< 1.9	< 3.7	< 3.7	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5	< .76	< .41	< .22	< 1.8	< 2.4	< 2.4	< 4.9	< 4.9	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5	< 1.6	< .54	.26	< 1.7	< 2	< 2	< 3.9	< 3.9	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20	< 1	< .65	1.8	1.1	< 1.9	< 1.9	< 3.9	< 3.9	0.44	0.49		0.62	0.41		1.4	0.44	< 0.26	< 0.26
1,4-Dichlorobenzene	0001064	75	15	< 1.5	< .56	< .13	< 1	< 2.2	< 2.2	< 4.4	< 4.4	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	< .95	< .45	< .12	< .96	< 2.4	< 2.4	< 4.7	< 4.7	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96	< .97	< .49	< .12	< .97	< 2.5	< 2.5	< 5.1	< 5.1	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE	< .95	< .5	< .15	< 1.2	< 2.6	< 2.6	< 5.1	< 5.1	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800	< 20	< 10	4.2	< 32	< 42	< 42	< 83	< 83	< 2.6	3.3		< 3.0	< 3.0		9.4	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5	< 1.2	< .49	< .13	< 1	< 2.6	< 2.6	< 5.1	< 5.1	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80	< 5.7	< 3.8	.77	< 5.4	< 21	< 21	< 41	< 41	< 0.44	0.69		1.7	< 0.37		1.2	< 0.37	< 0.37	< 0.37
Chloroform	0000676	6	0.6	< .65	< .51	< .13	< 1	< 2.3	< 2.3	< 4.5	< 4.5	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3	< 1.2	.8	< .28	< 2.2	< 2.4	< 2.4	< 4.8	< 4.8	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< 1.2	< .72	< .13	1.1	< 1.9	< 1.9	< 3.8	< 3.8	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140	< .77	< .52	< .12	< .96	< 2.2	< 2.2	< 4.3	< 4.3	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698	< 1.1	< .79	2.1	< .86	< 2.5	< 2.5	< 5.1	< 5.1	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< 1.2	< 1.1	< .36	< 2.9	< 2.3	< 2.3	< 4.5	< 4.5	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	< 50	< 21	< 14	< 110	< 63	< 63	< 130	< 130	< 40.8	58.9		< 24.3	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< .78	< .61	< .2	< 1.6	< 1.9	< 1.9	< 3.8	< 3.8	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< .88	< .54	< .1	< .81	< 2.2	< 2.2	< 4.4	< 4.4	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800	< 2.5	< 2.5	< 1	< 8	< 10	< 10	< 20	< 20	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	< 1.8	< 1.3	< .64	< 5.1	< 3.1	< 3.1	< 6.3	< 6.3	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< .96	< .71	< .13	< 1	< 1.9	< 1.9	< 3.8	< 3.8	< 0.49	< 0.49		< 0.17	0.36		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5	< 1.1	< 1.2	<u>.6</u>	< 2.1	< 4	< 4	32	18	30.8	< 0.36		29.6	<u>0.94</u>		0.48	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10	< 1.6	< 1	< .31	< 2.5	< 3.2	< 3.2	< 6.4	< 6.4	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< 1.1	< .45	< .14	< 1.1	< 2.4	< 2.4	< 4.9	< 4.9	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< .82	< .48	< .11	< .86	< 2	< 2	< 4.1	< 4.1	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10	< 1	< .43	< .11	< .87	< 1.9	< 1.9	< 3.9	< 3.9	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	<u>1.5</u>	<u>3.7</u>	<u>4.9</u>	6.4	<u>4.6</u>	6.8	<u>4.8</u>	11	<u>2.2</u>	<u>1.8</u>		<u>1.9</u>	<u>2.3</u>		<u>2.5</u>	<u>2.3</u>	<u>1.4</u>	<u>0.81</u>
Toluene	0001088	800	160	< .89	< .43	< .16	< 1.2	< 2.3	< 2.3	< 4.6	< 4.6	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96	< .95	< .45	< .12	< .96	< 2.4	< 2.4	< 4.7	< 4.7	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400	< .83	< .6	< .16	< 1.2	< 2.2	< 2.2	< 4.5	< 4.5	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5	< 1.9	<u>1.8</u>	<u>2.8</u>	<u>4.4</u>	< 2.5	<u>4.4</u>	5.2	14	<u>0.56</u>	<u>3</u>		<u>0.60</u>	<u>1.1</u>		<u>1.1</u>	<u>1.5</u>	<u>0.82</u>	<u>0.95</u>
Vinyl Chloride	0000750	0.2	0.02	< .85	< .46	1.5	< 1.4	< 1.5	< 1.5	< 3	< 3	< 0.18	< 0.18		0.59	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18
Xylene - M & P	1796012	2000	400	< 1.4	< .84	< .22	< 1.8	< 4.6	< 4.6	< 9.1	< 9.1	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400	< .83	< .6	< .16	< 1.2	< 2.2	< 2.2	< 4.5	< 4.5	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

136	W-6	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	37	< 1.1	.71			1.7	2.1			1.3										
1,1,2-Trichloroethane	0000790	5	0.5	< 4.5	< 1.1	< .23			< .25	< .25			< 0.39										
1,1-Dichloroethane	0000753	850	85	<u>220</u>	12	2.6			< .19	17			18.5										
1,1-Dichloroethene	0000753	7	0.7	< 4.2	< 1	.23			< .2	< .2			< 0.43										
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 5.4	< 1.4	< .27			< .26	< .26			< 0.77										
1,2,4-Trichlorobenzene	0001208	70	14	< 6.4	< 1.6	< .32			< .28	< .28			< 2.5										
1,2-cis-Dichloroethene	0001565	70	7	120	2.3	<u>9.8</u>			2.8	<u>19</u>			3.0										
1,2-Dichlorobenzene	0000955	600	60	8.1	8	1.2			< .19	.26			< 0.44										
1,2-Dichloroethane	0001070	5	0.5	18	<u>.94</u>	< .16			.48	.46			< 0.48										
1,2-Dichloropropane	0000788	5	0.5	< 4.3	< 1.1	< .22			.23	< .2			< 0.50										
1,2-trans-Dichloroethene	0001566	100	20	< 5.2	< 1.3	< .26			.37	.77			< 0.37										
1,4-Dichlorobenzene	0001064	75	15	< 4.4	1.3	.27			< .22	< .22			< 0.43										
124TRIMTHLBENZEN	0000956	480	96	42	47	9.3			.57	1.5			< 0.57										
135TRIMTHLBENZEN	0001086	480	96	8.7	< .98	1.1			< .25	< .25			< 2.5										
2-Chlorotoluene	0000954	NSE	NSE	7.1	8.1	1.1			< .26	< .26			< 0.48										
Acetone	0000676	9000	1800	< 83	71	31			< 4.2	14			30.5										
Benzene	0000714	5	0.5	< 3.9	< .98	< .2			< .26	< .26			< 0.50										
Chloroethane	0000750	400	80	<u>130</u>	< 7.6	< 1.5			< 2.1	< 2.1			1.9										
Chloroform	0000676	6	0.6	< 4	< 1	< .2			<u>1.6</u>	<u>.65</u>			< 0.69										
Chloromethane	0000748	30	3	< 4.7	< 1.2	< .23			< .24	< .24			< 0.39										
Dichlorodifluoromethan	0000757	1000	200	< 5.8	< 1.4	< .29			< .19	.51			< 0.40										
Ethylbenzene	0001004	700	140	130	43	10			.26	.87			< 0.50										
Fluorotrichloromethane	0000756	3490	698	< 6.3	< 1.6	< .32			< .25	< .25			< 0.48										
Hexachlorobutadiene	0000876	NSE	NSE	< 8.9	< 2.2	< .45			< .23	< .23			< 1.3										
Isopropyl Alcohol	0000676	NSE	NSE	< 170	< 41	11			64	19			< 40.8										
Isopropyl ether	0001082	NSE	NSE	< 4.9	< 1.2	< .25			< .19	< .19			< 0.50										
Isopropylbenzene	0000988	NSE	NSE	4.8	2.9	.52			< .22	.34			< 0.34										
Methyl Ethyl Ketone	0000789	4000	800	< 20	7.7	9.9			5.1	1.7			26.2										
Methyl Isobutyl Ketone	0001081	500	50	< 11	< 2.7	< .53			< .31	< .31			< 2.3										
Methyl tert-butyl Ether	0016340	60	12	< 5.7	< 1.4	< .28			< .19	< .19			1.3										
Methylene Chloride	0000750	5	0.5	< 9.6	5.9	<u>2.5</u>			18	11			0.39										
Naphthalene	0000912	100	10	< 8.1	8.5	3.9			1.2	.88			< 2.5										
n-Butylbenzene	0001045	NSE	NSE	< 3.6	< .91	< .18			< .24	< .24			< 0.40										
p-Isopropyltoluene	0000998	NSE	NSE	< 3.8	< .95	< .19			< .2	< .2			< 0.40										
Styrene	0001004	100	10	< 3.4	< .86	< .17			< .19	< .19			< 0.35										
Tetrachloroethene	0001271	5	0.5	11	< 1	<u>.57</u>			<u>.87</u>	<u>1.5</u>			<u>0.90</u>										
Toluene	0001088	800	160	10	1.3	1			.24	.61			< 0.44										
Total TriMthBenzenes	TOTALT	480	96	50.7	47	10.4			.57	1.5			< .57										
Total Xylenes	TOTAL X	2000	400	35	4.9	5.3			.56	2.56			< .5										
Trichloroethene	0000790	5	0.5	7.4	< .84	<u>1.9</u>			<u>1.4</u>	<u>4</u>			<u>0.83</u>										
Vinyl Chloride	0000750	0.2	0.02	53	1.4	2.1			.31	2.9			1.2										
Xylene - M & P	1796012	2000	400	11	< 1.7	2.5			< .46	.46			< 0.82										
Xylene - O	0000954	2000	400	24	4.9	2.8			.56	2.1			< 0.50										

139	W-7	RESULTS MONTH/YEAR																						
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40		<u>50</u>	32	18	25	28	33.6	15.5	18.1	33.6	16.7		10.9	11.2	6.1	10.6			
		1,1,2-Trichloroethane	0000790	5	0.5		< .41	< 1	< 1	< .63	< .63	< 0.39	< 0.39	< 0.39	< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20			
		1,1-Dichloroethane	0000753	850	85		3.7	1.3	< .75	1.3	1.6	8.9	0.44	0.46	10.9	0.41		< 0.24	< 0.24	< 0.24	3.8			
		1,1-Dichloroethene	0000753	7	0.7		<u>1.2</u>	<u>1.1</u>	< .8	< .5	< .5	0.67	< 0.43	0.46	< 0.41	0.50		< 0.41	< 0.41	< 0.41	< 0.41			
		1,2,3-Trichlorobenzene	0000876	NSE	NSE		< .56	< 1	< 1	< .65	< .65	< 0.77	< 0.77	< 0.77	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1			
		1,2,4-Trichlorobenzene	0001208	70	14		< .76	< 1.1	< 1.1	< .71	< .71	< 2.5	< 2.5	< 2.5	< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2			
		1,2-cis-Dichloroethene	0001565	70	7		3.1	.96	< .82	.95	1.2	5.7	< 0.42	0.45	<u>9.2</u>	0.35		< 0.26	< 0.26	< 0.26	<u>21.3</u>			
		1,2-Dichlorobenzene	0000955	600	60		< .32	< .74	< .74	< .47	< .47	< 0.44	< 0.44	< 0.44	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		1,2-Dichloroethane	0001070	5	0.5		< .55	< .98	< .98	< .61	< .61	< 0.48	< 0.48	< 0.48	< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	0.27			
		1,2-Dichloropropane	0000788	5	0.5		< .52	< .79	< .79	< .49	< .49	< 0.50	< 0.50	< 0.50	< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23			
		1,2-trans-Dichloroethene	0001566	100	20		.45	< .77	< .77	< .48	< .48	0.44	< 0.37	< 0.37	0.36	< 0.26		< 0.26	< 0.26	< 0.26	0.37			
		1,4-Dichlorobenzene	0001064	75	15		< .32	< .87	< .87	< .55	< .55	< 0.43	< 0.43	< 0.43	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		124TRIMTHLBENZEN	0000956	480	96		< .3	< .94	< .94	< .59	< .59	< 0.57	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		135TRIMTHLBENZEN	0001086	480	96		< .3	< 1	< 1	< .64	< .64	< 2.5	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		2-Chlorotoluene	0000954	NSE	NSE		< .36	< 1	< 1	< .64	< .64	< 0.48	< 0.48	< 0.48	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Acetone	0000676	9000	1800		< 10	< 17	< 17	< 10	11	< 2.6	< 2.6	< 2.6	3.4	< 3.0		< 3.0	< 3.0	< 3.0	8.6			
		Benzene	0000714	5	0.5		< .33	< 1	< 1	< .64	< .64	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Chloroethane	0000750	400	80		< 1.7	< 8.2	< 8.2	< 5.1	< 5.1	< 0.44	< 0.44	< 0.44	< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	0.78			
		Chloroform	0000676	6	0.6		< .32	< .9	< .9	< .56	< .56	< 0.69	< 0.69	< 0.69	< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5			
		Chloromethane	0000748	30	3		< .7	< .96	< .96	< .6	< .6	< 0.39	< 0.39	< 0.39	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Dichlorodifluoromethan	0000757	1000	200		< .34	< .76	< .76	< .48	< .48	< 0.40	< 0.40	< 0.40	< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22			
		Ethylbenzene	0001004	700	140		< .3	< .86	< .86	< .54	< .54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	5.1			
		Fluorotrichloromethane	0000756	3490	698		< .27	< 1	< 1	< .64	< .64	< 0.48	< 0.48	< 0.48	< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18			
		Hexachlorobutadiene	0000876	NSE	NSE		< .9	< .9	< .9	< .57	< .57	< 1.3	< 1.3	< 1.3	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1			
		Isopropyl Alcohol	0000676	NSE	NSE		< 35	< 25	< 25	< 16	< 16	< 40.8	< 40.8	< 40.8	25.8	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3			
		Isopropyl ether	0001082	NSE	NSE		< .51	< .76	< .76	< .47	< .47	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Isopropylbenzene	0000988	NSE	NSE		< .25	< .89	< .89	< .56	< .56	< 0.34	< 0.34	< 0.34	< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14			
		Methyl Ethyl Ketone	0000789	4000	800		2.7	< 4	< 4	< 2.5	< 2.5	< 2.7	< 2.7	< 2.7	< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0			
		Methyl Isobutyl Ketone	0001081	500	50		< 1.6	< 1.3	< 1.3	< .78	< .78	< 2.3	< 2.3	< 2.3	< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	3.0			
		Methyl tert-butyl Ether	0016340	60	12		< .32	< .76	< .76	< .48	< .48	< 0.49	< 0.49	< 0.49	< 0.17	0.31		< 0.17	< 0.17	< 0.17	< 0.17			
		Methylene Chloride	0000750	5	0.5		< .67	< 1.6	< 1.6	<u>1.3</u>	<u>4.1</u>	<u>4.7</u>	< 0.36	< 0.36	<u>4.1</u>	< 0.23		< 0.23	< 0.23	< 0.23	0.42			
		Naphthalene	0000912	100	10		< .77	< 1.3	< 1.3	< .8	< .8	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5			
		n-Butylbenzene	0001045	NSE	NSE		< .34	< .98	< .98	< .61	< .61	< 0.40	< 0.40	< 0.40	< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		p-Isopropyltoluene	0000998	NSE	NSE		< .27	< .81	< .81	< .51	< .51	< 0.40	< 0.40	< 0.40	< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Styrene	0001004	100	10		< .27	< .78	< .78	< .49	< .49	< 0.35	< 0.35	< 0.35	< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50			
		Tetrachloroethene	0001271	5	0.5		57	43	26	30	34	43.0	11	17.6	38.5	27.9		19.6	16.7	10.9	14.2			
		Toluene	0001088	800	160		< .39	< .92	< .92	< .58	< .58	< 0.44	< 0.44	< 0.44	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	157			
		Total TriMthBenzenes	TOTALT	480	96		< .3	< .94	< .94	< .59	< .59	< .57	< .5	< .5	< .5	< 1		< 1	< 1	< 1	< 1			
		Total Xylenes	TOTAL X	2000	400		< .39	< .9	< .9	< .56	< .56	< .5	< .5	< .5	< .5	< 1.5		< 1.5	< 1.5	< 1.5	17.2			
		Trichloroethene	0000790	5	0.5		25	11	<u>2.6</u>	9	13	13.8	5.1	6.0	11.9	5.0		<u>2.8</u>	<u>2.4</u>	<u>1.0</u>	<u>2.3</u>			
		Vinyl Chloride	0000750	0.2	0.02		< .43	< .6	< .6	< .37	< .37	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18			
		Xylene - M & P	1796012	2000	400		< .55	< 1.8	< 1.8	< 1.1	< 1.1	< 0.82	< 0.82	< 0.82	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	12.6			
		Xylene - O	0000954	2000	400		< .39	< .9	< .9	< .56	< .56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	4.6			

142 W-7A		RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40	6.6	10	23	37	33	29	6.1	21	9.1	39.4			1.9	3.6		1.4	6.7	2.4	3.8	
1,1,2-Trichloroethane	0000790	5	0.5	< .52	< 2.3	< .45	< 1.7	< 6.3	< 2.5	< 6.3	< 5.1	< 0.39	< 1.9			< 0.16	< 0.78		< 0.20	< 0.79	< 0.20	< 0.20	
1,1-Dichloroethane	0000753	850	85	< .43	< 2.1	2.2	6.4	11	8.5	< 4.7	< 3.7	0.83	< 1.4			< 0.16	< 1.2		< 0.24	< 0.97	< 0.24	0.98	
1,1-Dichloroethene	0000753	7	0.7	< .54	< 2.1	<u>.88</u>	< 1.5	< 5	< 2	< 5	< 4	< 0.43	< 2.1			< 0.41	< 2.1		< 0.41	< 1.6	< 0.41	< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .74	< 2.7	< .54	< 2.3	< 6.5	< 2.6	< 6.5	< 5.2	< 0.77	< 3.8			< 2.1	< 10.7		< 2.1	< 8.5	< 2.1	< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .55	< 3.2	< .64	< 3	< 7.1	< 2.8	< 7.1	< 5.6	< 2.5	< 12.5			< 2.2	< 11.0		< 2.2	< 8.8	< 2.2	< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .41	< 2	1.4	3.5	< 5.2	4.6	< 5.2	< 4.1	0.83	< 2.1			< 0.26	< 1.3		< 0.26	< 1.0	< 0.26	5.0	
1,2-Dichlorobenzene	0000955	600	60	< .4	< 1.6	< .32	< 1.3	< 4.7	< 1.9	< 4.7	< 3.7	< 0.44	< 2.2			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
1,2-Dichloroethane	0001070	5	0.5	6.9	15	15	< 2.2	< 6.1	< 2.4	< 6.1	< 4.9	<u>1.0</u>	< 2.4			< 0.17	< 0.84		< 0.17	< 0.67	< 0.17	< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .82	< 2.2	< .43	< 2.1	< 4.9	< 2	< 4.9	< 3.9	< 0.50	< 2.5			< 0.23	< 1.2		< 0.23	< 0.93	< 0.23	< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .51	< 2.6	.59	< 1.3	< 4.8	< 1.9	< 4.8	< 3.9	< 0.37	< 1.9			< 0.24	< 1.3		< 0.26	< 1.0	< 0.26	< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .74	< 2.2	< .44	< 1.3	< 5.5	< 2.2	< 5.5	< 4.4	< 0.43	< 2.2			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .48	< 1.8	< .36	< 1.2	< 5.9	< 2.4	< 5.9	< 4.7	< 0.57	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .49	< 2	< .39	< 1.2	< 6.4	< 2.5	< 6.4	< 5.1	< 2.5	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .47	< 2	< .4	< 1.5	< 6.4	< 2.6	< 6.4	< 5.1	< 0.48	< 2.4			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Acetone	0000676	9000	1800	< 10	< 42	< 8.3	< 40	< 100	45	< 100	< 83	< 10.4	< 12.9			8.9	< 14.8		< 3.0	< 11.8	< 3.0	< 3.0	
Benzene	0000714	5	0.5	< .6	< 2	< .39	< 1.3	< 6.4	< 2.6	< 6.4	< 5.1	< 0.50	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Chloroethane	0000750	400	80	< 2.9	< 15	< 3	< 6.7	< 51	< 21	< 51	< 41	< 0.44	< 2.2			< 0.37	< 1.9		< 0.37	< 1.5	< 0.37	< 0.37	
Chloroform	0000676	6	0.6	< .33	< 2	.46	< 1.3	< 5.6	< 2.3	< 5.6	< 4.5	< 0.69	< 3.4			< 2.5	< 12.5		< 2.5	< 10.0	< 2.5	< 2.5	
Chloromethane	0000748	30	3	< .58	< 2.3	< .47	< 2.8	< 6	< 2.4	< 6	< 4.8	< 0.39	< 1.9			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .62	< 2.9	< .58	< 1.3	< 4.8	< 1.9	< 4.8	< 3.8	< 0.40	< 2.0			< 0.16	< 1.0		< 0.22	< 0.90	< 0.22	< 0.22	
Ethylbenzene	0001004	700	140	< .39	< 2.1	< .41	< 1.2	< 5.4	< 2.2	< 5.4	< 4.3	< 0.50	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	1.3	
Fluorotrichloromethane	0000756	3490	698	< .53	< 3.2	< .63	< 1.1	< 6.4	< 2.5	< 6.4	< 5.1	< 0.48	< 2.4			< 0.17	< 0.86		< 0.18	< 0.74	< 0.18	< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .62	< 4.5	< .89	< 3.6	< 5.7	< 2.3	< 5.7	< 4.5	< 1.3	< 6.3			< 2.1	< 10.5		< 2.1	< 8.4	< 2.1	< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 25	< 83	< 17	< 140	< 160	< 63	< 160	< 130	< 40.8	< 204			< 24.3	< 122		< 24.3	< 97.4	< 24.3	< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .39	< 2.5	< .49	< 2	< 4.7	< 1.9	< 4.7	< 3.8	< 0.50	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .44	< 2.2	< .43	< 1	< 5.6	< 2.2	< 5.6	< 4.4	< 0.34	< 1.7			< 0.12	< 0.72		< 0.14	< 0.57	< 0.14	< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1.2	< 10	< 2	< 10	< 25	< 10	< 25	< 20	< 2.7	< 13.5			< 3.0	< 14.9		< 3.0	< 11.9	< 3.0	< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .92	< 5.3	< 1.1	< 6.4	< 7.8	< 3.1	< 7.8	< 6.3	< 2.3	< 11.7			< 2.1	< 10.7		< 2.1	< 8.6	< 2.1	< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .48	< 2.8	< .57	< 1.3	< 4.8	< 1.9	< 4.8	< 3.8	< 0.49	< 2.5			< 0.17	< 0.87		1.3	< 0.70	2.7	7.8	
Methylene Chloride	0000750	5	0.5	< .55	< 4.8	< .96	< 2.7	< 10	< 4	< 10	< 8	< 0.36	< 1.8			< 0.23	<u>1.9</u>		< 0.23	< 0.93	< 0.23	< 0.23	
Naphthalene	0000912	100	10	< .79	< 4.1	< .81	< 3.1	< 8	< 3.2	< 8	< 6.4	< 2.5	< 12.5			< 2.5	< 12.5		< 2.5	< 10.0	< 2.5	< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .56	< 1.8	< .36	< 1.4	< 6.1	< 2.4	< 6.1	< 4.9	< 0.40	< 2.0			< 0.22	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .41	< 1.9	< .38	< 1.1	< 5.1	< 2	< 5.1	< 4.1	< 0.40	< 2.0			< 0.13	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Styrene	0001004	100	10	< .5	< 1.7	< .34	< 1.1	< 4.9	< 1.9	< 4.9	< 3.9	< 0.35	< 1.7			< 0.15	< 2.5		< 0.50	< 2.0	< 0.50	< 0.50	
Tetrachloroethene	0001271	5	0.5	110	290	290	96	220	170	190	270	153	435			138	231		121	297	132	102	
Toluene	0001088	800	160	< .45	< 1.7	< .34	< 1.6	< 5.8	< 2.3	< 5.8	< 4.6	< 0.44	< 2.2			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	37.5	
Total TriMthBenzenes	TOTALT	480	96	< .48	< 1.8	< .36	< 1.2	< 5.9	< 2.4	< 5.9	< 4.7	< .57	< 2.5			< .5	< 5		< 1	< 4	< 1	< 1	
Total Xylenes	TOTAL X	2000	400	< .41	< 2.4	< .48	< 1.6	< 5.6	< 2.2	< 5.6	< 4.5	< .5	< 2.5			< .5	< 7.5		< 1.5	< 6	< 1.5	3.55	
Trichloroethene	0000790	5	0.5	25	19	26	21	31	23	18	16	9.7	13.7			<u>1.9</u>	<u>3.2</u>		<u>1.5</u>	5.5	<u>1.9</u>	<u>1.8</u>	
Vinyl Chloride	0000750	0.2	0.02	< .42	< 1.8	< .37	< 1.7	< 3.7	< 1.5	< 3.7	< 3	< 0.18	< 0.92			< 0.18	< 0.88		< 0.18	< 0.70	< 0.18	< 0.18	
Xylene - M & P	1796012	2000	400	< .7	< 3.3	< .67	< 2.2	< 11	< 4.6	< 11	< 9.1	< 0.82	< 4.1			< 1.0	< 5.0		< 1.0	< 4.0	< 1.0	2.6	
Xylene - O	0000954	2000	400	< .41	< 2.4	< .48	< 1.6	< 5.6	< 2.2	< 5.6	< 4.5	< 0.50	< 2.5			< 0.50	< 2.5		< 0.50	< 2.0	< 0.50	0.95	

148	W-9	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22		< .2		< .22		< .21													
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .17		< .23		< .25													
1,1-Dichloroethane	0000753	850	85	< .21		< .16		< .21		< .19													
1,1-Dichloroethene	0000753	7	0.7	< .21		< .15		< .21		< .2													
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .23		< .27		< .26													
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .3		< .32		< .28													
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .12		< .2		< .21													
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19													
1,2-Dichloroethane	0001070	5	0.5	< .16		< .22		< .16		< .24													
1,2-Dichloropropane	0000788	5	0.5	< .22		< .21		< .22		< .2													
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .13		< .26		< .19													
1,4-Dichlorobenzene	0001064	75	15	< .22		< .13		< .22		< .22													
124TRIMTHLBENZEN	0000956	480	96	< .18		< .12		< .18		< .24													
135TRIMTHLBENZEN	0001086	480	96	< .2		< .12		< .2		< .25													
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .15		< .2		< .26													
Acetone	0000676	9000	1800	< 4.2		< 4		6.6		< 4.2													
Benzene	0000714	5	0.5	< .2		< .13		< .2		< .26													
Chloroethane	0000750	400	80	< 1.5		< .67		< 1.5		< 2.1													
Chloroform	0000676	6	0.6	< .2		< .13		< .2		< .23													
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24													
Dichlorodifluoromethan	0000757	1000	200	< .29		< .13		< .29		< .19													
Ethylbenzene	0001004	700	140	< .21		< .12		< .21		< .22													
Fluorotrichloromethane	0000756	3490	698	< .32		< .11		< .32		< .25													
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .36		< .45		< .23													
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 14		< 8.3		7.3													
Isopropyl ether	0001082	NSE	NSE	< .25		< .2		< .25		< .19													
Isopropylbenzene	0000988	NSE	NSE	< .22		< .1		< .22		< .22													
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		1.3		< 1													
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .64		< .53		< .31													
Methyl tert-butyl Ether	0016340	60	12	< .28		< .13		< .28		< .19													
Methylene Chloride	0000750	5	0.5	< .48		< .27		< .48		< .4													
Naphthalene	0000912	100	10	< .41		< .31		< .41		< .32													
n-Butylbenzene	0001045	NSE	NSE	< .18		< .14		< .18		< .24													
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .11		< .19		< .2													
Styrene	0001004	100	10	< .17		< .11		< .17		< .19													
Tetrachloroethene	0001271	5	0.5	< .21		< .18		< .21		< .15													
Toluene	0001088	800	160	< .17		< .16		< .17		< .23													
Total TriMthBenzenes	TOTALT	480	96	< .18		< .12		< .18		< .24													
Total Xylenes	TOTAL X	2000	400	< .24		< .16		< .24		< .22													
Trichloroethene	0000790	5	0.5	< .17		< .16		< .17		< .25													
Vinyl Chloride	0000750	0.2	0.02	< .18		< .17		< .18		< .15													
Xylene - M & P	1796012	2000	400	< .33		< .22		< .33		< .46													
Xylene - O	0000954	2000	400	< .24		< .16		< .24		< .22													

157	W-11	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				

166	W-16	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13				< .21		< .21													
1,1,2-Trichloroethane	0000790	5	0.5	< .21				< .25		< .25													
1,1-Dichloroethane	0000753	850	85	< .17				< .19		< .19													
1,1-Dichloroethene	0000753	7	0.7	< .22				< .2		< .2													
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3				< .26		< .26													
1,2,4-Trichlorobenzene	0001208	70	14	< .22				< .28		< .28													
1,2-cis-Dichloroethene	0001565	70	7	< .16				< .21		< .21													
1,2-Dichlorobenzene	0000955	600	60	< .16				< .19		< .19													
1,2-Dichloroethane	0001070	5	0.5	< .15				< .24		< .24													
1,2-Dichloropropane	0000788	5	0.5	< .33				< .2		< .2													
1,2-trans-Dichloroethene	0001566	100	20	< .21				< .19		< .19													
1,4-Dichlorobenzene	0001064	75	15	< .3				< .22		< .22													
124TRIMTHLBENZEN	0000956	480	96	< .19				< .24		< .24													
135TRIMTHLBENZEN	0001086	480	96	< .19				< .25		< .25													
2-Chlorotoluene	0000954	NSE	NSE	< .19				< .26		< .26													
Acetone	0000676	9000	1800	15				< 4.2		7.7													
Benzene	0000714	5	0.5	< .24				< .26		< .26													
Chloroethane	0000750	400	80	< 1.1				< 2.1		< 2.1													
Chloroform	0000676	6	0.6	< .13				< .23		< .23													
Chloromethane	0000748	30	3	.4				< .24		< .24													
Dichlorodifluoromethan	0000757	1000	200	< .25				< .19		< .19													
Ethylbenzene	0001004	700	140	< .15				< .22		< .22													
Fluorotrichloromethane	0000756	3490	698	< .21				< .25		< .25													
Hexachlorobutadiene	0000876	NSE	NSE	< .25				< .23		< .23													
Isopropyl Alcohol	0000676	NSE	NSE	< 10				< 6.3		10													
Isopropyl ether	0001082	NSE	NSE	< .16				< .19		< .19													
Isopropylbenzene	0000988	NSE	NSE	< .18				< .22		< .22													
Methyl Ethyl Ketone	0000789	4000	800	2.7				< 1		< 1													
Methyl Isobutyl Ketone	0001081	500	50	< .37				< .31		< .31													
Methyl tert-butyl Ether	0016340	60	12	< .19				< .19		< .19													
Methylene Chloride	0000750	5	0.5	< .22				< .4		< .4													
Naphthalene	0000912	100	10	< .32				< .32		< .32													
n-Butylbenzene	0001045	NSE	NSE	< .23				< .24		< .24													
p-Isopropyltoluene	0000998	NSE	NSE	< .16				< .2		< .2													
Styrene	0001004	100	10	< .2				< .19		< .19													
Tetrachloroethene	0001271	5	0.5	< .12				< .15		< .15													
Toluene	0001088	800	160	< .18				< .23		< .23													
Total TriMthBenzenes	TOTALT	480	96	< .19				< .24		< .24													
Total Xylenes	TOTAL X	2000	400	< .17				< .22		< .22													
Trichloroethene	0000790	5	0.5	< .37				< .25		< .25													
Vinyl Chloride	0000750	0.2	0.02	< .17				< .15		< .15													
Xylene - M & P	1796012	2000	400	< .28				< .46		< .46													
Xylene - O	0000954	2000	400	< .17				< .22		< .22													

169	W-17	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .22		< .21		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .23		< .25		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .21		< .19		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .21		< .2		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .27		< .26		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .32		< .28		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .2		< .21		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .16		< .24		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .22		< .2		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .26		< .19		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .18		< .24		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .2		< .25		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .2		< .26		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	4.8		< 4.2		< 4.2		4.8		< 2.6			< 3.0			3.0		< 3.0	
Benzene	0000714	5	0.5	< .2		< .2		< .2		< .26		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 1.5		< 2.1		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .2		< .2		< .2		< .23		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .29		< .19		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .21		< .21		< .21		< .22		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .32		< .25		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .45		< .23		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		15		< 6.3		< 40.8			32.3			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .25		< .19		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .53		< .31		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .28		< .19		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .48		< .4		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .41		< .41		< .41		< .32		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .18		< .24		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .19		< .2		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .17		< .17		< .17		< .19		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .21		< .15		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .17		< .17		< .17		< .23		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .18		< .24		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .24		< .22		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .17		< .17		< .17		< .25		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .18		< .15		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .33		< .46		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .24		< .24		< .24		< .22		< 0.50			< 0.50			< 0.50		< 0.50	

172	W-17A	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40	< 170	< 87	< 27	< 11	< 11	< 10	< 16	< 21	< 17.7	< 4.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		1,1,2-Trichloroethane	0000790	5	0.5	< 180	< 90	< 28	< 11	< 11	< 13	< 20	< 25	< 15.6	< 3.9		< 1.6	< 1.6		< 2.0	< 2.0	< 2.0	< 2.0
		1,1-Dichloroethane	0000753	850	85	1700	1600	1000	17	<u>550</u>	13	<u>660</u>	<u>690</u>	<u>168</u>	<u>300</u>		<u>718</u>	<u>804</u>		<u>360</u>	46.7	39.1	<u>109</u>
		1,1-Dichloroethene	0000753	7	0.7	< 170	< 83	30	< 10	26	< 10	28	< 20	< 17.1	< 4.3		<u>6.2</u>	16.7		< 4.1	< 4.1	< 4.1	< 4.1
		1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 220	< 110	< 34	< 14	< 14	< 13	< 21	< 26	< 30.7	< 7.7		< 21.3	< 21.3		< 21.3	< 21.3	< 21.3	< 21.3
		1,2,4-Trichlorobenzene	0001208	70	14	< 250	< 130	< 40	< 16	< 16	< 14	< 23	< 28	< 100	< 25.0		< 22.1	< 22.1		< 22.1	< 22.1	< 22.1	< 22.1
		1,2-cis-Dichloroethene	0001565	70	7	760	290	190	< 10	290	< 10	380	210	< 16.8	<u>20.4</u>		70.2	185		<u>27.8</u>	2.6	< 2.6	< 2.6
		1,2-Dichlorobenzene	0000955	600	60	< 130	< 63	< 20	< 7.9	< 7.9	< 9.3	< 15	< 19	< 17.5	< 4.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		1,2-Dichloroethane	0001070	5	0.5	140	130	93	56	67	56	75	74	61.3	55.5		56.5	50.9		34.4	10.6	< 1.7	5.6
		1,2-Dichloropropane	0000788	5	0.5	< 170	< 87	45	< 11	29	< 9.9	36	41	< 19.9	14.7		33.0	41.5		18.9	< 2.3	< 2.3	< 2.3
		1,2-trans-Dichloroethene	0001566	100	20	< 210	< 100	<u>49</u>	15	<u>31</u>	20	<u>32</u>	<u>39</u>	<u>23.0</u>	<u>35.5</u>		<u>85.3</u>	104		<u>73.2</u>	<u>80.1</u>	<u>60.9</u>	<u>42.5</u>
		1,4-Dichlorobenzene	0001064	75	15	< 180	< 89	< 28	< 11	< 11	< 11	< 17	< 22	< 17.4	< 4.3		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		124TRIMTHLBENZEN	0000956	480	96	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 19	< 24	< 22.9	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		135TRIMTHLBENZEN	0001086	480	96	< 160	< 78	< 25	< 9.8	< 9.8	< 13	< 20	< 25	< 100	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		2-Chlorotoluene	0000954	NSE	NSE	< 160	< 80	< 25	< 10	< 10	< 13	< 20	< 26	< 19.1	< 4.8		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Acetone	0000676	9000	1800	17000	15000	<u>5300</u>	< 210	<u>4800</u>	< 210	9400	<u>4000</u>	<u>2420</u>	1120		635	687		404	120	< 29.5	53.7
		Benzene	0000714	5	0.5	< 160	< 78	< 24	< 9.8	10	< 13	< 20	< 26	< 20.0	7.9		7.3	6.8		6.0	7.6	6.7	7.7
		Chloroethane	0000750	400	80	< 1200	< 610	< 190	490	<u>300</u>	720	580	400	821	500		<u>336</u>	<u>296</u>		418	839	903	721
		Chloroform	0000676	6	0.6	< 160	< 81	< 25	< 10	< 10	< 11	< 18	< 23	< 27.5	< 6.9		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0
		Chloromethane	0000748	30	3	< 190	< 93	< 29	< 12	< 12	< 12	< 19	< 24	< 15.5	< 3.9		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Dichlorodifluoromethan	0000757	1000	200	< 230	< 120	< 36	< 14	< 14	< 9.5	< 15	< 19	< 16.0	< 4.0		< 1.6	< 2.0		< 2.2	< 2.2	< 2.2	< 2.2
		Ethylbenzene	0001004	700	140	< 170	< 83	< 26	< 10	< 10	< 11	< 17	< 22	< 20.0	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Fluorotrichloromethane	0000756	3490	698	< 250	< 130	< 40	< 16	< 16	< 13	< 20	< 25	< 19.1	< 4.8		< 1.7	< 1.7		< 1.8	< 1.8	< 1.8	< 1.8
		Hexachlorobutadiene	0000876	NSE	NSE	< 360	< 180	< 56	< 22	< 22	< 11	< 18	< 23	< 50.3	< 12.6		< 21.1	< 21.1		< 21.1	< 21.1	< 21.1	< 21.1
		Isopropyl Alcohol	0000676	NSE	NSE	29000	27000	12000	< 410	12000	< 320	17000	5200	4080	1430		908	1030		629	< 243	< 243	< 243
		Isopropyl ether	0001082	NSE	NSE	< 200	< 98	< 31	< 12	< 12	< 9.5	< 15	< 19	< 20.0	< 5.0		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Isopropylbenzene	0000988	NSE	NSE	< 170	< 86	< 27	< 11	< 11	< 11	< 18	< 22	< 13.6	< 3.4		< 1.2	< 1.4		< 1.4	< 1.4	< 1.4	< 1.4
		Methyl Ethyl Ketone	0000789	4000	800	9700	6200	<u>2800</u>	< 50	<u>2600</u>	< 50	<u>3500</u>	<u>1600</u>	697	334		152	209		155	< 29.8	< 29.8	< 29.8
		Methyl Isobutyl Ketone	0001081	500	50	1200	920	650	1700	1400	1800	870	<u>440</u>	602	<u>299</u>		<u>141</u>	<u>135</u>		<u>109</u>	< 21.4	< 21.4	< 21.4
		Methyl tert-butyl Ether	0016340	60	12	< 230	< 110	< 35	< 14	< 14	< 9.5	< 15	< 19	< 19.7	< 4.9		< 1.7	< 1.7		< 1.7	< 1.7	< 1.7	< 1.7
		Methylene Chloride	0000750	5	0.5	< 380	< 190	< 60	< 24	< 24	< 20	< 32	< 40	< 14.3	< 3.6		< 2.3	<u>2.6</u>		< 2.3	< 2.3	< 2.3	< 2.3
		Naphthalene	0000912	100	10	< 320	< 160	< 51	< 20	< 20	< 16	< 26	< 32	< 100	< 25.0		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0
		n-Butylbenzene	0001045	NSE	NSE	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 20	< 24	< 16.0	< 4.0		< 2.2	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		p-Isopropyltoluene	0000998	NSE	NSE	< 150	< 76	< 24	< 9.5	< 9.5	< 10	< 16	< 20	< 15.9	< 4.0		< 1.3	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Styrene	0001004	100	10	< 140	< 68	< 21	< 8.6	< 8.6	< 9.7	< 16	< 19	< 14.0	< 3.5		< 1.5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Tetrachloroethene	0001271	5	0.5	< 160	< 82	< 26	< 10	< 10	< 7.3	< 12	< 15	< 18.9	< 4.7		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
		Toluene	0001088	800	160	870	800	860	<u>230</u>	<u>530</u>	<u>330</u>	840	860	<u>382</u>	<u>592</u>		968	970		<u>576</u>	<u>315</u>	113	<u>535</u>
		Total TriMthBenzenes	TOTALT	480	96	< 140	< 72	< 23	< 9.1	< 9.1	< 12	< 19	< 24	< 100	< 5		< 5	< 10		< 10	< 10	< 10	< 10
		Total Xylenes	TOTAL X	2000	400	< 190	< 96	< 30	< 12	< 12	< 11	< 18	< 22	< 20	< 5		< 10	< 15		< 15	< 15	< 15	< 15
		Trichloroethene	0000790	5	0.5	< 130	< 67	< 21	< 8.4	< 8.4	< 12	< 20	< 25	< 17.2	< 3.6		< 3.3	< 3.3		< 3.3	< 3.3	< 3.3	< 3.3
		Vinyl Chloride	0000750	0.2	0.02	390	170	140	< 9.2	150	< 7.5	200	120	< 7.4	13		57.9	138		15.9	< 1.8	< 1.8	2.8
		Xylene - M & P	1796012	2000	400	< 270	< 130	< 42	< 17	< 17	< 23	< 36	< 46	< 32.7	< 8.2		< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0
		Xylene - O	0000954	2000	400	< 190	< 96	< 30	< 12	< 12	< 11	< 18	< 22	< 20.0	< 5.0		< 5.0	< 5.0		7.6	6.1	5.3	5.7

175	W-17B	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22	< .22	< .22	< 1.1	< 1.1	< 1	< 1	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .23	< .23	< 1.1	< 1.1	< 1.3	< 1.3	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	.89	.96	.82	1.1	1.4	< .94	1.2	1.1	2.0	0.75		0.85	0.77		0.43	< 0.24	0.51	0.45
1,1-Dichloroethene	0000753	7	0.7	< .21	< .21	< .21	< 1	< 1	< 1	< 1	< .2	<u>4.1</u>	<u>2.6</u>		< 0.41	<u>1.2</u>		0.59	0.53	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .27	< .27	< 1.4	< 1.4	< 1.3	< 1.3	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .32	< .32	< 1.6	< 1.6	< 1.4	< 1.4	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	.81	.76	.7	< 1	1.1	< 1	< 1	1	0.78	0.66		0.59	0.64		0.65	0.64	0.39	0.41
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .79	< .79	< .93	< .93	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5	< .16	< .16	< .16	< .82	< .82	< 1.2	< 1.2	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5	.36	.25	< .22	< 1.1	< 1.1	< .99	< .99	.32	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20	< .26	< .26	< .26	< 1.3	< 1.3	< .97	< .97	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	0001064	75	15	< .22	< .22	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96	< .2	< .2	< .2	< .98	< .98	< 1.3	< 1.3	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .2	< .2	< 1	< 1	< 1.3	< 1.3	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800	< 4.2	4.7	< 4.2	< 21	< 21	< 21	< 21	< 4.2	4.1	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5	< .2	< .2	< .2	< .98	< .98	< 1.3	< 1.3	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80	< 1.5	< 1.5	< 1.5	< 7.6	< 7.6	< 10	< 10	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	0000676	6	0.6	< .2	< .2	< .2	< 1	< 1	< 1.1	< 1.1	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3	< .23	.46	< .23	< 1.2	< 1.2	< 1.2	< 1.2	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< .29	< .29	< .29	< 1.4	< 1.4	< .95	82	71	< 0.40	< 0.40		< 0.16	33.0		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140	< .21	< .21	< .21	< 1	< 1	< 1.1	< 1.1	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698	< .32	< .32	< .32	< 1.6	< 1.6	< 1.3	< 1.3	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .45	< .45	< 2.2	< 2.2	< 1.1	< 1.1	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 8.3	< 8.3	< 41	< 41	35	< 32	< 6.3	< 40.8	< 40.8		31.6	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< .25	< .25	< .25	< 1.2	< 1.2	< .95	< .95	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< .22	< .22	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800	< 1	< 1	< 1	< 5	5.7	< 5	< 5	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	< .53	< .53	< .53	< 2.7	< 2.7	< 1.6	< 1.6	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< .28	< .28	< .28	< 1.4	< 1.4	< .95	< .95	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5	< .48	< .48	< .48	< 2.4	< 2.4	< 2	< 2	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10	< .41	< .41	< .41	< 2	< 2	< 1.6	< 1.6	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .19	< .19	< .95	< .95	< 1	< 1	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10	< .17	< .17	< .17	< .86	< .86	< .97	< .97	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	< .21	< .21	< .21	< 1	< 1	< .73	< .73	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160	< .17	< .17	< .17	< .86	< .86	< 1.2	< 1.2	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96	< .18	< .18	< .18	< .91	< .91	< 1.2	< 1.2	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400	< .24	< .24	< .24	< 1.2	< 1.2	< 1.1	< 1.1	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5	<u>.58</u>	<u>.61</u>	<u>.63</u>	< .84	<u>.87</u>	< 1.2	< 1.2	<u>.7</u>	< 0.43	<u>0.70</u>		0.40	<u>0.67</u>		<u>0.52</u>	<u>1.6</u>	<u>0.77</u>	<u>0.99</u>
Vinyl Chloride	0000750	0.2	0.02	.35	1.2	4.6	14	15	14	13	6.7	7.4	2.7		1.4	0.74		< 0.18	< 0.18	< 0.18	0.22
Xylene - M & P	1796012	2000	400	< .33	< .33	< .33	< 1.7	< 1.7	< 2.3	< 2.3	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400	< .24	< .24	< .24	< 1.2	< 1.2	< 1.1	< 1.1	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

178	W-18	RESULTS MONTH/YEAR																				
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40	< .22	< .22	< .2	< .22	< .22	< .21	< .21	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .23	< .17	< .23	< .23	< .25	< .25	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	
1,1-Dichloroethane	0000753	850	85	< .21	< .21	< .16	< .21	< .21	< .19	< .19	< .19	< 0.28	< 0.28		0.96	1.5		< 0.24	< 0.24	< 0.24	< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .21	< .21	< .15	< .21	< .21	< .2	< .2	< .2	< 0.43	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .27	< .23	< .27	< .27	< .26	< .26	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .32	< .3	< .32	< .32	< .28	< .28	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .2	< .2	< .12	< .2	< .2	< .21	< .21	< .21	< 0.42	< 0.42		1.4	2.1		1.3	0.47	< 0.26	< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .13	< .16	< .16	< .19	< .19	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichloroethane	0001070	5	0.5	.17	< .16	< .22	< .16	< .16	< .24	< .24	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .22	< .22	< .21	< .22	< .22	< .2	< .2	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .26	< .26	< .13	< .26	< .26	< .19	< .19	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .22	< .22	< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .18	< .18	< .12	< .18	< .18	< .24	< .24	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .2	< .2	< .12	< .2	< .2	< .25	< .25	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .2	< .15	< .2	< .2	< .26	< .26	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Acetone	0000676	9000	1800	< 4.2	< 4.2	5	< 4.2	< 4.2	< 4.2	7.4	< 4.2	< 2.6	< 2.6		8.1	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	
Benzene	0000714	5	0.5	< .2	< .2	< .13	< .2	< .2	< .26	< .26	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Chloroethane	0000750	400	80	< 1.5	< 1.5	< .67	< 1.5	< 1.5	< 2.1	< 2.1	< 2.1	< 0.44	< 0.44		0.55	0.74		< 0.37	< 0.37	< 0.37	< 0.37	
Chloroform	0000676	6	0.6	< .2	< .2	< .13	< .2	< .2	< .23	< .23	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
Chloromethane	0000748	30	3	< .23	< .23	< .28	< .23	< .23	< .24	< .24	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Dichlorodifluoromethan	0000757	1000	200	.6	< .29	< .13	< .29	< .29	< .19	< .19	< .19	< 0.40	< 0.40		6.1	1.0		3.9	2.8	1.6	2.4	
Ethylbenzene	0001004	700	140	< .21	< .21	.74	< .21	< .21	< .22	< .22	.24	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .32	< .32	< .11	< .32	< .32	< .25	< .25	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .45	< .36	< .45	< .45	< .23	< .23	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 8.3	< 14	< 8.3	< 8.3	31	14	< 6.3	< 40.8	< 40.8		57.8	< 24.3		< 24.3	< 24.3	< 24.3	< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .25	< .25	< .2	< .25	< .25	< .19	< .19	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .22	< .22	< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .53	< .53	< .64	< .53	< .53	< .31	< .31	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .28	< .28	< .13	< .28	< .28	< .19	< .19	< .19	< 0.49	< 0.49		0.29	0.18		< 0.17	< 0.17	< 0.17	< 0.17	
Methylene Chloride	0000750	5	0.5	< .48	< .48	< .27	< .48	< .48	< .4	< .4	< .4	< 0.36	< 0.36		<u>1.2</u>	0.37		< 0.23	< 0.23	< 0.23	< 0.23	
Naphthalene	0000912	100	10	< .41	< .41	< .31	< .41	< .41	< .32	< .32	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .18	< .18	< .14	< .18	< .18	< .24	< .24	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .19	< .11	< .19	< .19	< .2	< .2	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Styrene	0001004	100	10	< .17	< .17	< .11	< .17	< .17	< .19	< .19	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Tetrachloroethene	0001271	5	0.5	< .21	< .21	< .18	< .21	< .21	< .15	< .15	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Toluene	0001088	800	160	< .17	< .17	< .16	< .17	< .17	< .23	< .23	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .18	< .18	< .12	< .18	< .18	< .24	< .24	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	
Total Xylenes	TOTAL X	2000	400	< .24	< .24	.75	< .24	< .24	< .22	< .22	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	
Trichloroethene	0000790	5	0.5	< .17	< .17	< .16	< .17	< .17	< .25	< .25	< .25	< 0.43	< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .18	< .18	< .17	< .18	< .18	< .15	< .15	< .15	< 0.18	< 0.18		< 0.18	0.46		0.28	< 0.18	< 0.18	< 0.18	
Xylene - M & P	1796012	2000	400	< .33	< .33	.75	< .33	< .33	< .46	< .46	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	
Xylene - O	0000954	2000	400	< .24	< .24	< .16	< .24	< .24	< .22	< .22	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	

181	W-18A	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< 2.2	< 2.2	< 2.5	< 1.7	< 1.7	< 1.6	< 1.7	< 4.1	< 0.44	< 0.44		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5	< 2.3	< 2.3	< 2.1	< 1.8	< 1.8	< 2	< 1.8	< 5.1	< 0.39	< 0.39		< 0.16	< 0.16		< 0.49	< 0.49	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	35	37	25	31	40	44	48	52	28.0	15.8		17.2	10.6		15.7	7.4	6.5	6.5
1,1-Dichloroethene	0000753	7	0.7	< 2.1	< 2.1	< 1.9	< 1.7	< 1.7	< 1.6	< 1.7	< 4	< 0.43	< 0.43		< 0.41	< 0.41		< 1.0	< 1.0	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 2.7	< 2.7	< 2.8	< 2.2	< 2.2	< 2.1	< 2.2	< 5.2	< 0.77	< 0.77		< 2.1	< 2.1		< 5.3	< 5.3	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< 3.2	< 3.2	< 3.8	< 2.5	< 2.5	< 2.3	< 2.5	< 5.6	< 2.5	< 2.5		< 2.2	< 2.2		< 5.5	< 5.5	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	< 2	< 2	< 1.5	< 1.6	< 1.6	< 1.6	< 1.6	< 4.1	0.68	0.53		0.60	0.49		0.91	< 0.64	0.66	0.84
1,2-Dichlorobenzene	0000955	600	60	< 1.6	2	< 1.6	< 1.3	< 1.3	< 1.5	< 1.3	< 3.7	< 0.44	< 0.44		< 0.50	0.59		1.3	< 1.2	0.56	0.54
1,2-Dichloroethane	0001070	5	0.5	6.6	9.1	5.4	5.1	7.1	7.9	<u>4.1</u>	6.9	<u>1.4</u>	<u>1</u>		<u>1.5</u>	<u>1.7</u>		<u>3.1</u>	<u>1.2</u>	<u>0.80</u>	<u>1.0</u>
1,2-Dichloropropane	0000788	5	0.5	< 2.2	< 2.2	< 2.6	< 1.7	< 1.7	<u>3.6</u>	<u>3.5</u>	< 3.9	<u>1.4</u>	<u>1.1</u>		<u>1.2</u>	<u>0.66</u>		< 0.58	< 0.58	0.38	0.46
1,2-trans-Dichloroethene	0001566	100	20	< 2.6	2.9	1.6	< 2.1	2.2	2.6	3	< 3.9	1.7	1.6		2.0	1.4		1.6	1.4	1.2	0.86
1,4-Dichlorobenzene	0001064	75	15	< 2.2	< 2.2	< 1.6	< 1.8	< 1.8	< 1.7	< 1.8	< 4.4	< 0.43	< 0.43		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	5.2	16	7.4	3.2	11	15	6.7	7.8	2.2	2.3		3.5	9.2		27.0	7.3	8.6	11.1
135TRIMTHLBENZEN	0001086	480	96	2.6	5.8	3.3	2.6	4	< 2	< 1.6	< 5.1	< 2.5	< 0.50		0.64	1.6		6.4	< 1.2	1.4	1.3
2-Chlorotoluene	0000954	NSE	NSE	< 2	< 2	< 1.8	< 1.6	< 1.6	< 2	< 1.6	< 5.1	< 0.48	< 0.48		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Acetone	0000676	9000	1800	< 42	< 42	< 50	< 33	< 33	< 33	< 33	< 83	5.5	4.0		5.1	< 3.0		9.1	< 7.4	< 3.0	< 3.0
Benzene	0000714	5	0.5	9.1	15	7.7	7.3	11	12	6.7	10	<u>2.2</u>	<u>1.7</u>		<u>2.8</u>	<u>3.3</u>		6.9	<u>2.6</u>	<u>1.7</u>	<u>1.8</u>
Chloroethane	0000750	400	80	49	<u>110</u>	42	55	<u>86</u>	<u>130</u>	67	<u>100</u>	16.9	14.5		28.2	24.6		49.3	8.2	10.6	10.7
Chloroform	0000676	6	0.6	< 2	< 2	< 1.6	< 1.6	< 1.6	< 1.8	< 1.6	< 4.5	< 0.69	< 0.69		< 2.5	< 2.5		< 6.2	< 6.2	< 2.5	< 2.5
Chloromethane	0000748	30	3	< 2.3	< 2.3	< 3.5	< 1.9	< 1.9	< 1.9	< 1.9	< 4.8	< 0.39	< 0.39		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< 2.9	< 2.9	< 1.7	< 2.3	< 2.3	< 1.5	< 2.3	< 3.8	< 0.40	< 0.40		< 0.16	0.74		< 0.56	< 0.56	< 0.22	< 0.22
Ethylbenzene	0001004	700	140	120	<u>320</u>	<u>160</u>	95	140	<u>300</u>	<u>180</u>	<u>170</u>	70.8	68.9		113	<u>183</u>		<u>390</u>	122	118	117
Fluorotrichloromethane	0000756	3490	698	< 3.2	< 3.2	< 1.4	< 2.5	< 2.5	< 2	< 2.5	< 5.1	< 0.48	< 0.48		< 0.17	< 0.17		< 0.46	< 0.46	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< 4.5	< 4.5	< 4.5	< 3.6	< 3.6	< 1.8	< 3.6	< 4.5	< 1.3	< 1.3		< 2.1	< 2.1		< 5.3	< 5.3	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	< 83	< 83	< 180	< 66	< 66	< 51	< 66	< 130	< 40.8	< 40.8		29.7	< 24.3		< 60.9	< 60.9	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< 2.5	< 2.5	< 2.5	< 2	< 2	< 1.5	< 2	< 3.8	< 0.50	< 0.50		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< 2.2	3.6	1.8	< 1.7	2.8	3.3	1.8	< 4.4	0.60	< 0.34		0.67	0.87		3.5	1.4	1.2	1.6
Methyl Ethyl Ketone	0000789	4000	800	< 10	< 10	< 13	< 8	< 8	< 8	< 8	< 20	< 2.7	< 2.7		< 3.0	< 3.0		< 7.4	< 7.4	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	< 5.3	< 5.3	< 8	< 4.2	< 4.2	< 2.5	< 4.2	< 6.3	< 2.3	< 2.3		< 2.1	< 2.1		< 5.4	< 5.4	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< 2.8	< 2.8	< 1.6	< 2.3	< 2.3	< 1.5	< 2.3	< 3.8	< 0.49	< 0.49		< 0.17	< 0.17		< 0.44	< 0.44	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5	< 4.8	< 4.8	8.8	< 3.8	< 3.8	< 3.2	< 3.8	< 8	< 0.36	< 0.36		<u>0.57</u>	<u>0.72</u>		<u>1.1</u>	< 0.58	<u>0.73</u>	<u>1.2</u>
Naphthalene	0000912	100	10	< 4.1	< 4.1	< 3.8	< 3.2	< 3.2	< 2.6	< 3.2	< 6.4	< 2.5	< 2.5		< 2.5	< 2.5		< 6.2	< 6.2	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< 1.8	1.9	< 1.7	< 1.4	< 1.4	< 2	< 1.4	< 4.9	< 0.40	< 0.40		< 0.22	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< 1.9	< 1.9	< 1.4	< 1.5	< 1.5	< 1.6	< 1.5	< 4.1	< 0.40	< 0.40		< 0.13	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Styrene	0001004	100	10	< 1.7	< 1.7	< 1.4	< 1.4	< 1.4	< 1.6	< 1.4	< 3.9	< 0.35	< 0.35		< 0.15	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	< 2.1	< 2.1	< 2.3	< 1.6	< 1.6	< 1.2	< 1.6	< 2.9	< 0.47	< 0.47		< 0.50	< 0.50		< 1.2	< 1.2	< 0.50	< 0.50
Toluene	0001088	800	160	7.4	43	9.5	4	32	14	12	8	4.0	3.6		7.1	6.8		20.1	6.3	4.5	4.9
Total TriMthBenzenes	TOTALT	480	96	7.8	21.8	10.7	5.8	15	15	6.7	7.8	< .57	< .5		< .5	10.8		33.4	7.3	10	12.4
Total Xylenes	TOTAL X	2000	400	90.6	294	138.1	49.8	226	208.2	105.2	159	< .5	< .5		< .5	<u>535</u>		<u>1277</u>	281.5	337	276.5
Trichloroethene	0000790	5	0.5	< 1.7	< 1.7	< 2	< 1.3	< 1.3	< 2	< 1.3	< 5	< 0.43	< 0.36		< 0.33	< 0.33		< 0.83	< 0.83	< 0.33	< 0.33
Vinyl Chloride	0000750	0.2	0.02	< 1.8	< 1.8	< 2.2	1.8	1.7	2.9	5.1	5.1	11.0	6		10.9	2.3		1.3	1.9	1.0	1.0
Xylene - M & P	1796012	2000	400	85	270	130	47	210	200	96	140	58.8	89.4		198	<u>411</u>		<u>1000</u>	223	272	214
Xylene - O	0000954	2000	400	5.6	24	8.1	2.8	16	8.2	9.2	19	13.5	21.6		54.9	124		277	58.5	65.0	62.5

184	W-19	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< 8.7	< 3.1	< 9.8	< 25	< 26	< 26														
1,1,2-Trichloroethane	0000790	5	0.5	< 9	< 5.2	< 8.3	< 21	< 32	< 32														
1,1-Dichloroethane	0000753	850	85	<u>160</u>	<u>160</u>	<u>290</u>	<u>340</u>	<u>300</u>	<u>290</u>														
1,1-Dichloroethene	0000753	7	0.7	< 8.3	< 5.4	< 7.6	< 19	< 25	< 25														
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 11	< 7.4	< 11	< 28	< 33	< 33														
1,2,4-Trichlorobenzene	0001208	70	14	< 13	< 5.5	< 15	< 38	< 35	< 35														
1,2-cis-Dichloroethene	0001565	70	7	<u>49</u>	81	180	170	200	220														
1,2-Dichlorobenzene	0000955	600	60	< 6.3	< 4	< 6.5	< 16	< 23	< 23														
1,2-Dichloroethane	0001070	5	0.5	8.5	7.6	17	< 28	< 31	42														
1,2-Dichloropropane	0000788	5	0.5	< 8.7	< 8.2	11	< 26	< 25	< 25														
1,2-trans-Dichloroethene	0001566	100	20	< 10	< 5.1	< 6.3	< 16	< 24	< 24														
1,4-Dichlorobenzene	0001064	75	15	< 8.9	< 7.4	< 6.4	< 16	< 27	< 27														
124TRIMTHLBENZEN	0000956	480	96	< 7.2	< 4.8	6.2	< 15	< 30	< 30														
135TRIMTHLBENZEN	0001086	480	96	< 7.8	< 4.9	< 6.1	< 15	< 32	< 32														
2-Chlorotoluene	0000954	NSE	NSE	< 8	< 4.7	< 7.3	< 18	< 32	< 32														
Acetone	0000676	9000	1800	< 170	< 100	< 200	< 500	< 520	< 520														
Benzene	0000714	5	0.5	12	9.5	20	26	< 32	< 32														
Chloroethane	0000750	400	80	< 61	< 29	52	<u>97</u>	< 260	< 260														
Chloroform	0000676	6	0.6	< 8.1	< 3.3	< 6.5	< 16	< 28	< 28														
Chloromethane	0000748	30	3	< 9.3	< 5.8	< 14	< 35	< 30	< 30														
Dichlorodifluoromethan	0000757	1000	200	< 12	9.7	< 6.7	< 17	< 24	< 24														
Ethylbenzene	0001004	700	140	100	78	<u>350</u>	<u>360</u>	<u>260</u>	<u>340</u>														
Fluorotrichloromethane	0000756	3490	698	< 13	< 5.3	< 5.4	< 14	< 32	< 32														
Hexachlorobutadiene	0000876	NSE	NSE	< 18	< 6.2	< 18	< 45	< 28	< 28														
Isopropyl Alcohol	0000676	NSE	NSE	< 330	< 250	< 710	< 1800	< 790	< 790														
Isopropyl ether	0001082	NSE	NSE	< 9.8	5	< 10	< 25	< 24	25														
Isopropylbenzene	0000988	NSE	NSE	< 8.6	< 4.4	< 5.1	< 13	< 28	< 28														
Methyl Ethyl Ketone	0000789	4000	800	< 40	< 12	< 50	< 130	< 130	< 130														
Methyl Isobutyl Ketone	0001081	500	50	< 21	< 9.2	<u>150</u>	<u>100</u>	<u>86</u>	< 39														
Methyl tert-butyl Ether	0016340	60	12	< 11	< 4.8	< 6.4	< 16	< 24	< 24														
Methylene Chloride	0000750	5	0.5	< 19	6.1	< 13	< 33	< 50	< 50														
Naphthalene	0000912	100	10	< 16	< 7.9	< 15	< 38	< 40	< 40														
n-Butylbenzene	0001045	NSE	NSE	< 7.2	< 5.6	< 6.8	< 17	< 31	< 31														
p-Isopropyltoluene	0000998	NSE	NSE	< 7.6	< 4.1	< 5.4	< 14	< 25	< 25														
Styrene	0001004	100	10	< 6.8	< 5	< 5.5	< 14	< 24	< 24														
Tetrachloroethene	0001271	5	0.5	< 8.2	< 3	< 9	< 23	86	< 18														
Toluene	0001088	800	160	<u>340</u>	<u>260</u>	1300	1600	1500	2200														
Total TriMthBenzenes	TOTALT	480	96	< 7.2	< 4.8	6.2	< 15	< 30	< 30														
Total Xylenes	TOTAL X	2000	400	173	122	<u>565</u>	<u>540</u>	303	378														
Trichloroethene	0000790	5	0.5	< 6.7	< 9.3	< 8.2	< 20	< 31	< 31														
Vinyl Chloride	0000750	0.2	0.02	140	180	310	400	360	410														
Xylene - M & P	1796012	2000	400	140	100	<u>470</u>	<u>440</u>	240	310														
Xylene - O	0000954	2000	400	33	22	95	100	63	68														

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
1,1,2-Trichloroethane	0000790	5	0.5														< 0.62	< 19.7	< 19.7	< 19.7	< 19.7
1,1-Dichloroethane	0000753	850	85														8.6	< 24.2	< 24.2	< 24.2	< 24.2
1,1-Dichloroethene	0000753	7	0.7														< 1.6	< 41.0	< 41.0	< 41.0	< 41.0
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 8.5	< 213	< 213	< 213	< 213
1,2,4-Trichlorobenzene	0001208	70	14														< 8.8	< 221	< 221	< 221	< 221
1,2-cis-Dichloroethene	0001565	70	7														< 1.0	< 25.6	< 25.6	< 25.6	< 25.6
1,2-Dichlorobenzene	0000955	600	60														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
1,2-Dichloroethane	0001070	5	0.5														54.4	153	153	115	132
1,2-Dichloropropane	0000788	5	0.5														<u>1.3</u>	< 23.3	< 23.3	< 23.3	< 23.3
1,2-trans-Dichloroethene	0001566	100	20														1.9	< 25.7	< 25.7	< 25.7	< 25.7
1,4-Dichlorobenzene	0001064	75	15														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
124TRIMTHLBENZEN	0000956	480	96														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
135TRIMTHLBENZEN	0001086	480	96														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
2-Chlorotoluene	0000954	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
Acetone	0000676	9000	1800														< 11.8	<u>2530</u>	<u>2430</u>	<u>2940</u>	1610
Benzene	0000714	5	0.5														34.2	114	119	104	131
Chloroethane	0000750	400	80														<u>317</u>	703	<u>283</u>	<u>313</u>	492
Chloroform	0000676	6	0.6														< 10.0	< 250	< 250	< 250	< 250
Chloromethane	0000748	30	3														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
Dichlorodifluoromethan	0000757	1000	200														< 0.81	< 22.4	< 22.4	< 22.4	< 22.4
Ethylbenzene	0001004	700	140														13.3	< 50.0	107	112	136
Fluorotrichloromethane	0000756	3490	698														< 0.69	< 18.5	< 18.5	< 18.5	< 18.5
Hexachlorobutadiene	0000876	NSE	NSE														< 8.4	< 211	< 211	< 211	< 211
Isopropyl Alcohol	0000676	NSE	NSE														< 97.4	4350	2920	3320	2900
Isopropyl ether	0001082	NSE	NSE														25.4	115	69.6	69.8	64.1
Isopropylbenzene	0000988	NSE	NSE														< 0.57	< 14.3	< 14.3	< 14.3	< 14.3
Methyl Ethyl Ketone	0000789	4000	800														< 11.9	753	<u>840</u>	<u>878</u>	420
Methyl Isobutyl Ketone	0001081	500	50														< 8.6	6510	7370	7410	6570
Methyl tert-butyl Ether	0016340	60	12														1.8	< 17.4	< 17.4	< 17.4	< 17.4
Methylene Chloride	0000750	5	0.5														<u>1.1</u>	< 23.3	< 23.3	< 23.3	< 23.3
Naphthalene	0000912	100	10														< 10.0	< 250	< 250	< 250	< 250
n-Butylbenzene	0001045	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
p-Isopropyltoluene	0000998	NSE	NSE														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
Styrene	0001004	100	10														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
Tetrachloroethene	0001271	5	0.5														< 2.0	< 50.0	< 50.0	< 50.0	< 50.0
Toluene	0001088	800	160														<u>450</u>	4290	14100	9790	17300
Total TriMthBenzenes	TOTALT	480	96														< 4	< 100	< 100	< 100	< 100
Total Xylenes	TOTAL X	2000	400														33	< 150	242	319	332
Trichloroethene	0000790	5	0.5														< 1.3	< 33.1	< 33.1	< 33.1	< 33.1
Vinyl Chloride	0000750	0.2	0.02														< 0.70	< 17.6	< 17.6	< 17.6	< 17.6
Xylene - M & P	1796012	2000	400														23.7	< 100	134	218	197
Xylene - O	0000954	2000	400														9.3	< 50.0	108	101	135

187	W-20	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	2.7	1.1	1	1.4	.89	< .52	< 5.5	< .52	< 0.44	< 0.44		< 0.50			< 0.50		0.80	
1,1,2-Trichloroethane	0000790	5	0.5	<u>3.4</u>	<u>1.3</u>	5	<u>.96</u>	< .63	< .63	28	<u>3.6</u>	< 0.39	< 0.39		<u>0.87</u>			<u>0.68</u>		0.40	
1,1-Dichloroethane	0000753	850	85	45	23	16	19	14	7.6	<u>91</u>	14	4.6	2.9		20.7			13.7		20.3	
1,1-Dichloroethene	0000753	7	0.7	<u>1.6</u>	<u>.9</u>	< .6	< .38	< .5	< .5	7.2	< .5	< 0.43	< 0.43		< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.1	< .59	< .9	< .56	< .65	< .65	< 6.8	< .65	< 0.77	< 0.77		< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< 1.3	< .44	< 1.2	< .76	< .71	< .71	< 8	< .71	< 2.5	< 2.5		< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	<u>34</u>	<u>22</u>	<u>13</u>	<u>19</u>	<u>12</u>	<u>7.3</u>	<u>67</u>	6.5	4.9	2.7		4.2			<u>7.7</u>		<u>13.0</u>	
1,2-Dichlorobenzene	0000955	600	60	< .63	.43	< .52	.48	< .47	< .47	4.2	< .47	< 0.44	< 0.44		< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	<u>.88</u>	.31	< .88	< .55	< .61	< .61	12	<u>1.7</u>	< 0.48	< 0.48		<u>2.2</u>			<u>0.94</u>		<u>1.4</u>	
1,2-Dichloropropane	0000788	5	0.5	< .87	< .65	< .83	< .52	< .49	< .49	< 5.4	< .49	< 0.50	< 0.50		< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	3	2.8	2.6	3.4	3.7	3.7	<u>44</u>	3.3	4.4	3.3		4.9			4.3		5.7	
1,4-Dichlorobenzene	0001064	75	15	< .89	< .59	< .51	< .32	< .55	< .55	< 5.6	< .55	< 0.43	< 0.43		< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	1.3	1.4	1.3	1.2	.94	.78	10	.78	< 0.57	< 0.50		< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	.8	.74	.68	.7	< .64	< .64	5.9	< .64	< 2.5	< 0.50		< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .8	< .38	< .58	< .36	< .64	< .64	< 5	< .64	< 0.48	< 0.48		< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 17	< 8	< 16	< 10	< 10	< 10	< 100	< 10	< 2.6	< 2.6		6.2			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .78	< .48	< .52	< .33	< .64	< .64	< 4.9	< .64	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 6.1	< 2.3	< 2.7	< 1.7	< 5.1	< 5.1	< 38	< 5.1	< 0.44	< 0.44		3.9			0.93		1.2	
Chloroform	0000676	6	0.6	< .81	.32	< .52	< .32	< .56	< .56	< 5.1	< .56	< 0.69	< 0.69		< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .93	< .46	< 1.1	< .7	< .6	< .6	< 5.8	< .6	< 0.39	< 0.39		< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< 1.2	4.7	< .54	5.2	4.1	< .48	46	< .48	< 0.40	< 0.40		< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	26	27	23	21	21	28	<u>340</u>	30	32.2	8.8		23.6			15.9		13.2	
Fluorotrichloromethane	0000756	3490	698	< 1.3	< .42	< .43	< .27	< .64	< .64	< 7.9	< .64	< 0.48	< 0.48		< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< 1.8	< .49	< 1.4	< .9	< .57	< .57	< 11	< .57	< 1.3	< 1.3		< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 33	< 20	< 57	< 35	< 16	33	< 210	< 16	< 40.8	< 40.8		48.2			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .98	< .31	< .81	< .51	< .47	< .47	< 6.1	< .47	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .86	< .35	< .4	.28	< .56	< .56	< 5.4	< .56	< 0.34	< 0.34		< 0.12			0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 4	< 1	< 4	2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.7	< 2.7		< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< 2.1	< .74	< 2.6	< 1.6	< .78	< .78	< 13	< .78	< 2.3	< 2.3		< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< 1.1	< .38	< .51	< .32	< .48	< .48	< 7.1	< .48	< 0.49	< 0.49		< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< 1.9	<u>.6</u>	< 1.1	< .67	< 1	< 1	< 12	< 1	< 0.36	< 0.36		< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	2.1	1.7	2	2.1	1.9	2.7	<u>19</u>	2.5	< 2.5	< 2.5		< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .72	< .45	< .54	< .34	< .61	< .61	< 4.5	< .61	< 0.40	< 0.40		< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .76	< .33	< .43	< .27	< .51	< .51	< 4.8	< .51	< 0.40	< 0.40		< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .68	< .4	< .44	< .27	< .49	< .49	< 4.3	< .49	< 0.35	< 0.35		< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	19	15	19	22	16	8.5	82	6.3	<u>0.78</u>	< 0.47		<u>2.3</u>			<u>2.4</u>		<u>2.5</u>	
Toluene	0001088	800	160	1.3	1.2	1.4	1.6	1.8	1.9	15	1.1	0.93	0.63		< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	2.1	2.14	1.98	1.9	.94	.78	15.9	.78	< .57	< .5		< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	13	14.48	9.9	9.25	7	6.9	68	6	< .5	< .5		< .5			3.3		2.5	
Trichloroethene	0000790	5	0.5	24	14	18	16	13	10	100	9.7	<u>4.6</u>	<u>1.5</u>		5.4			7.3		8.9	
Vinyl Chloride	0000750	0.2	0.02	11	12	6.5	7.9	4.6	4.2	48	2.7	3.8	2		2.6			2.2		3.9	
Xylene - M & P	1796012	2000	400	13	14	9.9	8.7	7	6.9	68	6	6.9	2.4		3.8			3.3		2.5	
Xylene - O	0000954	2000	400	< .96	.48	< .62	.55	< .56	< .56	< 6	< .56	< 0.50	< 0.50		< 0.50			< 0.50		< 0.50	

190	W-21	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40	< .13		< 9.8		< .21		< .22											
		1,1,2-Trichloroethane	0000790	5	0.5	< .21		< 8.3		< .25		< .23											
		1,1-Dichloroethane	0000753	850	85	20		20		9.9		7.1											
		1,1-Dichloroethene	0000753	7	0.7	< .22		< 7.6		.27		.39											
		1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< 11		< .26		< .27											
		1,2,4-Trichlorobenzene	0001208	70	14	< .22		< 15		< .28		< .32											
		1,2-cis-Dichloroethene	0001565	70	7	4.5		< 6		4.7		4.4											
		1,2-Dichlorobenzene	0000955	600	60	< .16		< 6.5		< .19		< .16											
		1,2-Dichloroethane	0001070	5	0.5	<u>.53</u>		< 11		.35		.34											
		1,2-Dichloropropane	0000788	5	0.5	< .33		< 10		.29		.33											
		1,2-trans-Dichloroethene	0001566	100	20	< .21		< 6.3		< .19		< .26											
		1,4-Dichlorobenzene	0001064	75	15	< .3		< 6.4		< .22		< .22											
		124TRIMTHLBENZEN	0000956	480	96	.84		< 6		< .24		< .18											
		135TRIMTHLBENZEN	0001086	480	96	.28		< 6.1		< .25		< .2											
		2-Chlorotoluene	0000954	NSE	NSE	< .19		< 7.3		< .26		< .2											
		Acetone	0000676	9000	1800	< 4		< 200		< 4.2		< 4.2											
		Benzene	0000714	5	0.5	<u>1.2</u>		< 6.6		< .26		< .2											
		Chloroethane	0000750	400	80	15		41		< 2.1		< 1.5											
		Chloroform	0000676	6	0.6	< .13		< 6.5		< .23		< .2											
		Chloromethane	0000748	30	3	< .23		< 14		< .24		< .23											
		Dichlorodifluoromethan	0000757	1000	200	2.2		< 6.7		4.2		7.3											
		Ethylbenzene	0001004	700	140	52		120		3.2		5.2											
		Fluorotrichloromethane	0000756	3490	698	< .21		< 5.4		< .25		< .32											
		Hexachlorobutadiene	0000876	NSE	NSE	< .25		< 18		< .23		< .45											
		Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 710		< 6.3		8.6											
		Isopropyl ether	0001082	NSE	NSE	.21		< 10		< .19		< .25											
		Isopropylbenzene	0000988	NSE	NSE	.31		< 5.1		< .22		< .22											
		Methyl Ethyl Ketone	0000789	4000	800	< .5		< 50		< 1		< 1											
		Methyl Isobutyl Ketone	0001081	500	50	.46		< 32		< .31		< .53											
		Methyl tert-butyl Ether	0016340	60	12	< .19		< 6.4		< .19		< .28											
		Methylene Chloride	0000750	5	0.5	.23		< 13		< .4		< .48											
		Naphthalene	0000912	100	10	< .32		< 15		< .32		< .41											
		n-Butylbenzene	0001045	NSE	NSE	< .23		< 6.8		< .24		< .18											
		p-Isopropyltoluene	0000998	NSE	NSE	< .16		< 5.4		< .2		< .19											
		Styrene	0001004	100	10	1.3		< 5.5		< .19		< .17											
		Tetrachloroethene	0001271	5	0.5	< .12		< 9		< .15		< .21											
		Toluene	0001088	800	160	<u>220</u>		<u>550</u>		1.8		.39											
		Total TriMthBenzenes	TOTALT	480	96	1.12		< 6		< .24		< .18											
		Total Xylenes	TOTAL X	2000	400	191		<u>520</u>		12		7.4											
		Trichloroethene	0000790	5	0.5	<u>.6</u>		< 8.2		<u>1</u>		<u>1.3</u>											
		Vinyl Chloride	0000750	0.2	0.02	4.9		< 8.7		1.9		2.4											
		Xylene - M & P	1796012	2000	400	140		390		9		5.5											
		Xylene - O	0000954	2000	400	51		130		3		1.9											

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22	< .13		< .22	< .21	< .21	< 2.2	< 1	< 0.44	< 0.44		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5	< .23	< .21		< .23	< .25	< .25	< 2.3	< 1.3	< 0.39	< 0.39		< 0.62	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	4.5	6.7		10	13	22	6.8	11	40.5	8.2		28.6	8.1		16.1	19.6	19.5	2.4
1,1-Dichloroethene	0000753	7	0.7	< .21	.53		<u>.74</u>	< .2	< .2	<u>2.5</u>	< 1	<u>3.0</u>	<u>3.5</u>		<u>5.8</u>	<u>0.89</u>		<u>4.9</u>	8.1	<u>6.7</u>	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27	< .3		< .27	< .26	< .26	< 2.7	< 1.3	< 0.77	< 0.77		< 8.5	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< .32	< .22		< .32	< .28	< .28	< 3.2	< 1.4	< 2.5	< 2.5		< 8.8	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	<u>13</u>	<u>11</u>		<u>12</u>	<u>12</u>	<u>28</u>	<u>13</u>	<u>25</u>	94.8	<u>19</u>		<u>51.6</u>	<u>18.2</u>		<u>58.8</u>	<u>58.9</u>	<u>56.5</u>	<u>10.3</u>
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16		< .16	< .19	< .19	< 1.6	< .93	< 0.44	< 0.44		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5	.34	.24		.24	< .24	.37	< 1.6	< 1.2	0.50	< 0.48		< 0.67	0.40		0.41	0.45	0.43	0.30
1,2-Dichloropropane	0000788	5	0.5	< .22	< .33		< .22	< .2	.28	< 2.2	< .99	<u>0.72</u>	< 0.50		< 0.93	< 0.23		0.40	0.49	0.48	< 0.23
1,2-trans-Dichloroethene	0001566	100	20	.77	.77		.79	1.3	2.2	< 2.6	< .97	3.1	1.5		5.5	1.3		1.6	2.1	2.4	0.56
1,4-Dichlorobenzene	0001064	75	15	< .22	< .3		< .22	< .22	< .22	< 2.2	< 1.1	< 0.43	< 0.43		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	< .18	< .19		< .18	< .24	< .24	< 1.8	< 1.2	< 0.57	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96	< .2	< .19		< .2	< .25	< .25	< 2	< 1.3	< 2.5	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE	< .2	< .19		< .2	< .26	< .26	< 2	< 1.3	< 0.48	< 0.48		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800	< 4.2	< 4		4.5	< 4.2	< 4.2	< 42	< 21	27.5	< 2.6		35.8	< 3.0		4.4	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5	< .2	< .24		<u>.93</u>	<u>1.2</u>	<u>2.5</u>	< 2	< 1.3	<u>1.6</u>	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80	< 1.5	4.8		34	39	80	< 15	22	<u>95.7</u>	2.6		<u>201</u>	3.2		4.7	24.2	2.2	1.2
Chloroform	0000676	6	0.6	< .2	< .13		< .2	< .23	< .23	< 2	< 1.1	< 0.69	< 0.69		< 10.0	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3	< .23	< .23		< .23	< .24	< .24	< 2.3	< 1.2	< 0.39	< 0.39		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< .29	3.1		< .29	< .19	< .19	8.4	< .95	< 0.40	< 0.40		< 0.62	7.9		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140	.96	1.1		6.5	7.2	16	< 2.1	3.7	9.5	1.3		8.1	1.2		1.8	2.9	1.7	1.4
Fluorotrichloromethane	0000756	3490	698	< .32	< .21		< .32	< .25	< .25	< 3.2	< 1.3	< 0.48	< 0.48		< 0.69	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< .45	< .25		< .45	< .23	< .23	< 4.5	< 1.1	< 1.3	< 1.3		< 8.4	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3	< 10		27	6.5	21	< 83	< 32	77.1	< 40.8		126	< 24.3		65.7	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< .25	< .16		.26	.38	.95	< 2.5	< .95	0.57	< 0.50		< 2.0	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< .22	< .18		< .22	< .22	< .22	< 2.2	< 1.1	< 0.34	< 0.34		< 0.47	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800	< 1	.68		1.7	< 1	< 1	< 10	< 5	12.1	< 2.7		< 11.9	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	5.2	5.2		5.6	2.5	6.8	< 5.3	4.7	<u>81.2</u>	< 2.3		<u>84.1</u>	< 2.1		< 2.1	7.3	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< .28	< .19		< .28	< .19	< .19	< 2.8	< .95	< 0.49	< 0.49		< 0.70	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5	< .48	.41		< .48	< .4	<u>.66</u>	< 4.8	< 2	<u>1.5</u>	< 0.36		14.3	0.46		<u>0.57</u>	<u>1.0</u>	< 0.23	< 0.23
Naphthalene	0000912	100	10	< .41	< .32		< .41	< .32	< .32	< 4.1	< 1.6	< 2.5	< 2.5		< 10.0	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< .18	< .23		< .18	< .24	< .24	< 1.8	< 1.2	< 0.40	< 0.40		< 0.90	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< .19	< .16		< .19	< .2	< .2	< 1.9	< 1	< 0.40	< 0.40		< 0.51	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10	< .17	< .2		< .17	.37	.85	< 1.7	< .97	< 0.35	< 0.35		< 0.61	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	< .21	< .12		< .21	< .15	< .15	< 2.1	< .73	<u>0.86</u>	<u>0.58</u>		< 2.0	< 0.50		<u>0.61</u>	<u>0.86</u>	<u>0.67</u>	< 0.50
Toluene	0001088	800	160	9.5	12		150	140	<u>340</u>	94	59	<u>213</u>	7.2		<u>265</u>	5.9		9.7	43.3	4.0	3.5
Total TriMthBenzenes	TOTALT	480	96	< .18	< .19		< .18	< .24	< .24	< 1.8	< 1.2	< .57	< .5		< 2	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400	9.9	11.1		31	32	66	24	19.7	< .5	< .5		< 2	6.8		9.3	13.9	7.5	7.8
Trichloroethene	0000790	5	0.5	5.9	5.1		<u>4.3</u>	<u>3.2</u>	<u>4.1</u>	5.9	5.4	<u>2.7</u>	<u>4</u>		<u>1.4</u>	<u>3.5</u>		<u>3.0</u>	<u>3.3</u>	<u>3.6</u>	<u>4.3</u>
Vinyl Chloride	0000750	0.2	0.02	9.7	13		11	15	34	13	15	21.0	13.3		29.6	11.5		23.3	50.6	50.1	6.2
Xylene - M & P	1796012	2000	400	3.5	4.2		19	20	47	13	11	23.9	2.4		14.4	2.0		3.5	7.3	2.3	1.7
Xylene - O	0000954	2000	400	6.4	6.9		12	12	19	11	8.7	14.1	5.3		7.2	4.8		5.8	6.6	5.2	6.1

205	W-26	RESULTS MONTH/YEAR																				
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	
1,1-Dichloroethane	0000753	850	85	2.6	2.2	1.9	1.8	2	1.9	2.3	1.7	1.3	1.1		1.3	7.1		1.7	1.1	1.5	1.4	
1,1-Dichloroethene	0000753	7	0.7	.33	.56	.44	.31	.51	.33	.69	.27	< 0.43	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	1.1	1.2	1.7	2	2.2	2.2	2.3	3.1	2.9	3.8		3.2	<u>9.7</u>		<u>8.0</u>	6.2	<u>8.3</u>	<u>7.3</u>	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	0.47		<u>1.0</u>	< 0.17	< 0.17	<u>0.65</u>	
1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	0.50		< 0.23	< 0.23	< 0.23	< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26	< .26	< .19	.2	.44	.4	0.42	0.94		1.0	4.6		1.4	1.7	2.2	2.3	
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Acetone	0000676	9000	1800	< 4	< 4	< 4.2	< 4.2	< 4.2	5.2	4.7	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		3.1	< 3.0	< 3.0	< 3.0	
Benzene	0000714	5	0.5	< .24	< .24	< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		<u>1.6</u>	< 0.50	< 0.50	<u>1.2</u>	
Chloroethane	0000750	400	80	< 1.1	< 1.1	< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	2.6		2.8	< 0.37	< 0.37	1.2	
Chloroform	0000676	6	0.6	< .13	< .13	< .2	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
Chloromethane	0000748	30	3	< .23	< .23	< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .29	< .29	< .19	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	
Ethylbenzene	0001004	700	140	< .15	< .15	< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		5.8	< 0.50	< 0.50	1.7	
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	13	< 10	< 8.3	< 8.3	23	9.8	17	< 6.3	< 40.8	< 40.8		29.8	< 24.3		26.2	< 24.3	< 24.3	< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	1.1	< .5	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		6.3	< 2.1	< 2.1	< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	
Methylene Chloride	0000750	5	0.5	< .22	.28	< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	
Naphthalene	0000912	100	10	< .32	< .32	< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Styrene	0001004	100	10	< .2	< .2	< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Toluene	0001088	800	160	< .18	< .18	< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	32.5		<u>233</u>	< 0.50	< 0.50	<u>218</u>	
Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	
Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		18.5	< 1.5	< 1.5	3.2	
Trichloroethene	0000790	5	0.5	<u>3.5</u>	<u>4.4</u>	<u>4.1</u>	<u>2.9</u>	<u>4.5</u>	<u>2.8</u>	<u>4.8</u>	<u>4.2</u>	<u>4.5</u>	9.8		6.3	16.5		10.7	15.2	19.6	18.9	
Vinyl Chloride	0000750	0.2	0.02	2.9	3	3.2	4	2.4	4.3	5.6	4.6	3.2	4.1		4.6	4.1		1.1	2.4	2.6	2.2	
Xylene - M & P	1796012	2000	400	< .28	< .28	< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		13.0	< 1.0	< 1.0	1.7	
Xylene - O	0000954	2000	400	< .17	< .17	< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		5.5	< 0.50	< 0.50	1.5	

208	W-27	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22	< .22	< .21	< .21	< .22	< .52	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23	< .23	< .25	< .25	< .23	< .63	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	19	17	18	15	12	17	25	21	15.0	9		12.9	12.3		7.4	5.7	2.5	1.5
1,1-Dichloroethene	0000753	7	0.7	< .22	<u>.78</u>	<u>2</u>	<u>2.1</u>	<u>1.3</u>	< .2	<u>1.2</u>	< .5	<u>0.91</u>	<u>0.73</u>		<u>0.86</u>	<u>0.80</u>		<u>0.83</u>	<u>1.1</u>	<u>0.78</u>	0.47
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27	< .27	< .26	< .26	< .27	< .65	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32	< .32	< .28	< .28	< .32	< .71	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	5.1	5.7	<u>7.7</u>	6	<u>7.4</u>	4.8	3.9	3.8	<u>7.6</u>	<u>7.8</u>		<u>8.1</u>	<u>8.3</u>		<u>9.4</u>	<u>7.4</u>	5.5	3.3
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .47	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5	<u>1.6</u>	<u>1.4</u>	<u>1.7</u>	<u>1.2</u>	<u>.86</u>	<u>1.1</u>	<u>1.2</u>	<u>1.4</u>	<u>0.73</u>	< 0.48		< 0.17	0.46		0.31	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5	<u>.89</u>	<u>.92</u>	<u>.98</u>	<u>.79</u>	<u>.63</u>	<u>.63</u>	<u>.51</u>	< .49	< 0.50	< 0.50		< 0.23	0.32		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26	< .26	< .19	< .19	.34	< .48	0.47	< 0.37		0.29	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22	< .22	< .22	< .22	< .22	< .55	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	.21	< .19	< .18	< .18	< .24	< .24	.29	< .59	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2	< .2	< .25	< .25	< .2	< .64	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2	< .2	< .26	< .26	< .2	< .64	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800	6.4	< 4	< 4.2	< 4.2	< 4.2	< 4.2	4.8	< 10	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5	<u>.85</u>	.39	<u>.53</u>	.38	.3	.41	<u>1</u>	<u>1.7</u>	<u>1.5</u>	<u>1.7</u>		<u>1.1</u>	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80	16	8.4	< 1.5	3.3	< 2.1	2.5	14	7.6	10.6	8.4		6.2	1.5		< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	0000676	6	0.6	< .13	< .13	< .2	< .2	< .23	< .23	< .2	< .56	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3	.3	< .23	< .23	< .23	< .24	< .24	< .23	< .6	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	.45	.88	1.3	2.5	4	1.1	2.3	3.2		3.3	3.8		2.1	3.1	2.8	2.5
Ethylbenzene	0001004	700	140	8.5	3.5	1.5	.77	.69	2.1	20	10	2.2	1.1		0.71	< 0.50		1.4	0.94	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32	< .32	< .25	< .25	< .32	< .64	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45	< .45	< .23	< .23	< .45	< .57	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	21	< 10	77	< 8.3	< 6.3	22	28	< 16	< 40.8	< 40.8		< 24.3	< 24.3		40.0	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25	< .25	< .19	< .19	< .25	< .47	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22	< .22	< .22	< .22	< .22	< .56	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800	2	< .5	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53	< .53	< .31	< .31	< .53	< .78	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28	< .28	< .19	< .19	< .28	< .48	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5	<u>.6</u>	.44	< .48	< .48	< .4	< .4	< .48	< 1	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10	< .32	< .32	< .41	< .41	< .32	< .32	< .41	< .8	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18	< .18	< .24	< .24	< .18	< .61	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19	< .19	< .2	< .2	< .19	< .51	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10	< .2	< .2	< .17	< .17	< .19	< .19	< .17	< .49	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21	< .21	< .15	< .15	< .21	< .37	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160	7.6	4	2.7	4	3.7	4.7	12	14	4.8	3.4		2.2	2.1		1.3	0.82	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96	.21	< .19	< .18	< .18	< .24	< .24	.29	< .59	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400	20.7	9	3.29	1.56	1.45	6.2	61	36.1	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5	< .37	< .37	< .17	.21	<u>1.4</u>	<u>1.5</u>	<u>1.4</u>	<u>1.6</u>	<u>2.2</u>	<u>3.9</u>		<u>4.1</u>	<u>5.1</u>		<u>5.7</u>	<u>7.0</u>	<u>5.2</u>	<u>3.9</u>
Vinyl Chloride	0000750	0.2	0.02	<u>2</u>	<u>2.1</u>	<u>1.9</u>	<u>1.8</u>	<u>1.7</u>	<u>1.6</u>	<u>1.6</u>	<u>1.2</u>	<u>2.8</u>	<u>3.6</u>		<u>5.1</u>	<u>5.1</u>		<u>3.0</u>	<u>3.6</u>	<u>2.1</u>	<u>1.3</u>
Xylene - M & P	1796012	2000	400	15	6.6	2.5	1.2	1.1	4.6	44	27	4.2	2.2		1.0	< 1.0		1.2	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400	5.7	2.4	.79	.36	.35	1.6	17	9.1	1.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5										< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85										13		< 0.16	0.60		< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	0000753	7	0.7										< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14										< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7										5.8		< 0.26	0.74		< 0.26	0.86	< 0.26	0.32
1,2-Dichlorobenzene	0000955	600	60										< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5										<u>1.7</u>		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5										<u>0.54</u>		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20										< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	0001064	75	15										< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96										1.1		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE										< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800										< 2.6		< 3.0	< 3.0		13.1	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80										19.4		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	0000676	6	0.6										< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3										< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200										< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140										27.9		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698										< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE										< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE										< 40.8		< 24.3	< 24.3		824	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE										< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE										< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800										< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50										< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12										< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5										0.40		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10										< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE										< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE										< 0.40		< 0.13	6.3		8.1	0.57	< 0.50	< 0.50
Styrene	0001004	100	10										< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5										<u>0.74</u>		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160										38.7		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96										< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400										< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5										< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33
Vinyl Chloride	0000750	0.2	0.02										2.5		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18
Xylene - M & P	1796012	2000	400										26.9		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400										15.2		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .25		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .42		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .34		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .43		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .59		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .44		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	1.1		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .32		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	7.7		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .65		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .41		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .59		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .38		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .39		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .38		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 8		4.6		< 4.2		7		5.1			3.7			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .48		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 2.3		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .26		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .46		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .49		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .31		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .42		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .49		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 20		< 14		< 6.3		36		< 40.8			64.0			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .31		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .35		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .74		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .38		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .44		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .63		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .45		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .33		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .4		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .24		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .36		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .38		< .12		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .33		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .74		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .34		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .56		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .33		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17	< .17	< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22	< .22	< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16	< .16	< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4	< 4	< 4		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .24	< .24	< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1	< 1.1	< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13	< .13	< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23	< .23	< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15	< .15	< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10	< 10	< 14		19		20		< 40.8			47.8			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5	< .5	< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22	.23	.41		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32	< .32	< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2	< .2	< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18	< .18	< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .12		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37	< .37	< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17	< .17	< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28	< .28	< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17	< .17	< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

220	W-30B	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40	< .13	< .13	< .22		< .22	< .22		< 0.44			< 0.50			< 0.50		< 0.50		
		1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .21	< .23		< .23	< .23		< 0.39			< 0.16			< 0.20		< 0.20		
		1,1-Dichloroethane	0000753	850	85	< .17	< .17	< .21		< .21	< .21		< 0.28			< 0.16			< 0.24		< 0.24		
		1,1-Dichloroethene	0000753	7	0.7	< .22	< .22	< .21		< .21	< .21		< 0.43			< 0.41			< 0.41		< 0.41		
		1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .3	< .27		< .27	< .27		< 0.77			< 2.1			< 2.1		< 2.1		
		1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .22	< .32		< .32	< .32		< 2.5			< 2.2			< 2.2		< 2.2		
		1,2-cis-Dichloroethene	0001565	70	7	< .16	< .16	< .2		< .2	< .2		< 0.42			< 0.26			< 0.26		< 0.26		
		1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16		< .16	< .16		< 0.44			< 0.50			< 0.50		< 0.50		
		1,2-Dichloroethane	0001070	5	0.5	< .15	< .15	< .16		< .16	< .16		< 0.48			< 0.17			< 0.17		< 0.17		
		1,2-Dichloropropane	0000788	5	0.5	< .33	< .33	< .22		< .22	< .22		< 0.50			< 0.23			< 0.23		< 0.23		
		1,2-trans-Dichloroethene	0001566	100	20	< .21	< .21	< .26		< .26	< .26		< 0.37			< 0.24			< 0.26		< 0.26		
		1,4-Dichlorobenzene	0001064	75	15	< .3	< .3	< .22		< .22	< .22		< 0.43			< 0.50			< 0.50		< 0.50		
		124TRIMTHLBENZEN	0000956	480	96	< .19	< .19	< .18		< .18	< .18		< 0.57			< 0.50			< 0.50		< 0.50		
		135TRIMTHLBENZEN	0001086	480	96	< .19	< .19	< .2		< .2	< .2		< 2.5			< 0.50			< 0.50		< 0.50		
		2-Chlorotoluene	0000954	NSE	NSE	< .19	< .19	< .2		< .2	< .2		< 0.48			< 0.50			< 0.50		< 0.50		
		Acetone	0000676	9000	1800	4.9	< 4	< 4.2		< 4.2	< 4.2		< 2.6			< 3.0			< 3.0		< 3.0		
		Benzene	0000714	5	0.5	< .24	< .24	< .2		< .2	< .2		< 0.50			< 0.50			< 0.50		< 0.50		
		Chloroethane	0000750	400	80	< 1.1	< 1.1	< 1.5		< 1.5	< 1.5		< 0.44			< 0.37			< 0.37		< 0.37		
		Chloroform	0000676	6	0.6	< .13	< .13	< .2		< .2	< .2		< 0.69			< 2.5			< 2.5		< 2.5		
		Chloromethane	0000748	30	3	< .23	< .23	< .23		< .23	< .23		< 0.39			< 0.50			< 0.50		< 0.50		
		Dichlorodifluoromethan	0000757	1000	200	< .25	< .25	< .29		< .29	< .29		< 0.40			< 0.16			< 0.22		< 0.22		
		Ethylbenzene	0001004	700	140	< .15	< .15	< .21		< .21	< .21		< 0.50			< 0.50			< 0.50		< 0.50		
		Fluorotrichloromethane	0000756	3490	698	< .21	< .21	< .32		< .32	< .32		< 0.48			< 0.17			< 0.18		< 0.18		
		Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .25	< .45		< .45	< .45		< 1.3			< 2.1			< 2.1		< 2.1		
		Isopropyl Alcohol	0000676	NSE	NSE	14	< 10	< 8.3		< 8.3	< 8.3		< 40.8			25.1			< 24.3		< 24.3		
		Isopropyl ether	0001082	NSE	NSE	< .16	< .16	< .25		< .25	< .25		< 0.50			< 0.50			< 0.50		< 0.50		
		Isopropylbenzene	0000988	NSE	NSE	< .18	< .18	< .22		< .22	< .22		< 0.34			< 0.12			< 0.14		< 0.14		
		Methyl Ethyl Ketone	0000789	4000	800	1.8	< .5	< 1		< 1	< 1		< 2.7			< 3.0			< 3.0		< 3.0		
		Methyl Isobutyl Ketone	0001081	500	50	< .37	< .37	< .53		< .53	< .53		< 2.3			< 2.1			< 2.1		< 2.1		
		Methyl tert-butyl Ether	0016340	60	12	< .19	< .19	< .28		< .28	< .28		< 0.49			< 0.17			< 0.17		< 0.17		
		Methylene Chloride	0000750	5	0.5	< .22	1	< .48		< .48	< .48		< 0.36			< 0.23			< 0.23		< 0.23		
		Naphthalene	0000912	100	10	< .32	< .32	< .41		< .41	< .41		< 2.5			< 2.5			< 2.5		< 2.5		
		n-Butylbenzene	0001045	NSE	NSE	< .23	< .23	< .18		< .18	< .18		< 0.40			< 0.22			< 0.50		< 0.50		
		p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .16	< .19		< .19	< .19		< 0.40			< 0.13			< 0.50		< 0.50		
		Styrene	0001004	100	10	< .2	< .2	< .17		< .17	< .17		< 0.35			< 0.15			< 0.50		< 0.50		
		Tetrachloroethene	0001271	5	0.5	< .12	< .12	< .21		< .21	< .21		< 0.47			< 0.50			< 0.50		< 0.50		
		Toluene	0001088	800	160	< .18	< .18	< .17		.18	< .17		< 0.44			< 0.50			< 0.50		< 0.50		
		Total TriMthBenzenes	TOTALT	480	96	< .19	< .19	< .18		< .18	< .18		< .57			< .5			< 1		< 1		
		Total Xylenes	TOTAL X	2000	400	< .17	< .17	< .24		< .24	< .24		< .5			< .5			< 1.5		< 1.5		
		Trichloroethene	0000790	5	0.5	< .37	< .37	< .17		< .17	< .17		< 0.43			< 0.33			< 0.33		< 0.33		
		Vinyl Chloride	0000750	0.2	0.02	< .17	< .17	< .18		< .18	< .18		< 0.18			< 0.18			< 0.18		< 0.18		
		Xylene - M & P	1796012	2000	400	< .28	< .28	< .33		< .33	< .33		< 0.82			< 1.0			< 1.0		< 1.0		
		Xylene - O	0000954	2000	400	< .17	< .17	< .24		< .24	< .24		< 0.50			< 0.50			< 0.50		< 0.50		

223	W-31A	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40														1790	< 125	< 250	< 200	< 200
1,1,2-Trichloroethane	0000790	5	0.5														< 389	< 49.3	< 98.7	< 79.0	< 79.0
1,1-Dichloroethane	0000753	850	85														< 604	1060	998	< 96.6	232
1,1-Dichloroethene	0000753	7	0.7														< 1030	< 103	< 205	< 164	< 164
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 5330	< 533	< 1070	< 853	< 853
1,2,4-Trichlorobenzene	0001208	70	14														< 5520	< 552	< 1100	< 884	< 884
1,2-cis-Dichloroethene	0001565	70	7														3580	2040	948	< 102	317
1,2-Dichlorobenzene	0000955	600	60														< 1250	< 125	< 250	< 200	< 200
1,2-Dichloroethane	0001070	5	0.5														< 419	< 42.0	< 84.0	135	147
1,2-Dichloropropane	0000788	5	0.5														< 583	< 58.3	< 117	< 93.2	< 93.2
1,2-trans-Dichloroethene	0001566	100	20														< 641	< 64.1	< 128	< 103	< 103
1,4-Dichlorobenzene	0001064	75	15														< 1250	< 125	< 250	< 200	< 200
124TRIMTHLBENZEN	0000956	480	96														< 1250	< 125	< 250	< 200	< 200
135TRIMTHLBENZEN	0001086	480	96														< 1250	< 125	< 250	< 200	< 200
2-Chlorotoluene	0000954	NSE	NSE														< 1250	< 125	< 250	< 200	< 200
Acetone	0000676	9000	1800														246000	204000	87700	61800	86300
Benzene	0000714	5	0.5														< 1250	< 125	< 250	< 200	< 200
Chloroethane	0000750	400	80														< 936	< 93.6	680	1850	943
Chloroform	0000676	6	0.6														< 6250	< 625	< 1250	< 1000	< 1000
Chloromethane	0000748	30	3														< 1250	< 125	< 250	< 200	< 200
Dichlorodifluoromethan	0000757	1000	200														< 506	< 56.0	< 112	< 89.7	< 89.7
Ethylbenzene	0001004	700	140														1700	803	1450	1320	986
Fluorotrichloromethane	0000756	3490	698														< 431	< 46.2	< 92.5	< 74.0	< 74.0
Hexachlorobutadiene	0000876	NSE	NSE														< 5260	< 526	< 1050	< 842	< 842
Isopropyl Alcohol	0000676	NSE	NSE														< 60900	38100	< 12200	85200	122000
Isopropyl ether	0001082	NSE	NSE														< 1250	< 125	< 250	< 200	< 200
Isopropylbenzene	0000988	NSE	NSE														< 358	< 35.8	< 71.7	< 57.3	< 57.3
Methyl Ethyl Ketone	0000789	4000	800														26800	19400	14600	26200	29600
Methyl Isobutyl Ketone	0001081	500	50														11400	13100	7760	7540	10900
Methyl tert-butyl Ether	0016340	60	12														< 436	< 43.6	< 87.1	< 69.7	< 69.7
Methylene Chloride	0000750	5	0.5														986	< 58.1	< 116	< 93.0	265
Naphthalene	0000912	100	10														< 6250	< 625	< 1250	< 1000	< 1000
n-Butylbenzene	0001045	NSE	NSE														< 1250	< 125	< 250	< 200	< 200
p-Isopropyltoluene	0000998	NSE	NSE														< 1250	< 125	< 250	< 200	< 200
Styrene	0001004	100	10														< 1250	< 125	< 250	< 200	< 200
Tetrachloroethene	0001271	5	0.5														< 1250	< 125	< 250	< 200	< 200
Toluene	0001088	800	160														50400	23800	37300	33900	22800
Total TriMthBenzenes	TOTALT	480	96														< 2500	< 250	< 500	< 400	< 400
Total Xylenes	TOTAL X	2000	400														4100	3483	5890	5070	3582
Trichloroethene	0000790	5	0.5														< 827	< 82.7	< 165	< 132	< 132
Vinyl Chloride	0000750	0.2	0.02														< 439	160	< 87.8	< 70.2	< 70.2
Xylene - M & P	1796012	2000	400														4100	2580	4440	3880	2700
Xylene - O	0000954	2000	400														< 1250	903	1450	1190	882

226	W-31B	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40														2.6	1.3	0.72	< 0.50	< 5.0
1,1,2-Trichloroethane	0000790	5	0.5														< 0.78	< 0.20	< 0.20	< 0.20	< 2.0
1,1-Dichloroethane	0000753	850	85														12.9	9.6	4.0	1.7	4.2
1,1-Dichloroethene	0000753	7	0.7														< 2.1	< 0.41	< 0.41	< 0.41	< 4.1
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 10.7	< 2.1	< 2.1	< 2.1	< 21.3
1,2,4-Trichlorobenzene	0001208	70	14														< 11.0	< 2.2	< 2.2	< 2.2	< 22.1
1,2-cis-Dichloroethene	0001565	70	7														2.0	3.9	0.39	< 0.26	5.0
1,2-Dichlorobenzene	0000955	600	60														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
1,2-Dichloroethane	0001070	5	0.5														<u>1.3</u>	<u>0.63</u>	< 0.17	< 0.17	< 1.7
1,2-Dichloropropane	0000788	5	0.5														< 1.2	< 0.23	< 0.23	< 0.23	< 2.3
1,2-trans-Dichloroethene	0001566	100	20														< 1.3	< 0.26	< 0.26	< 0.26	< 2.6
1,4-Dichlorobenzene	0001064	75	15														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
124TRIMTHLBENZEN	0000956	480	96														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
135TRIMTHLBENZEN	0001086	480	96														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
2-Chlorotoluene	0000954	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Acetone	0000676	9000	1800														548	10.6	13.8	5.7	< 29.5
Benzene	0000714	5	0.5														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Chloroethane	0000750	400	80														< 1.9	< 0.37	< 0.37	1.6	7.6
Chloroform	0000676	6	0.6														< 12.5	< 2.5	< 2.5	< 2.5	< 25.0
Chloromethane	0000748	30	3														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Dichlorodifluoromethan	0000757	1000	200														< 1.0	< 0.22	< 0.22	0.28	< 2.2
Ethylbenzene	0001004	700	140														5.5	5.4	< 0.50	< 0.50	19.1
Fluorotrichloromethane	0000756	3490	698														< 0.86	< 0.18	< 0.18	< 0.18	< 1.8
Hexachlorobutadiene	0000876	NSE	NSE														< 10.5	< 2.1	< 2.1	< 2.1	< 21.1
Isopropyl Alcohol	0000676	NSE	NSE														704	29.6	< 24.3	< 24.3	< 243
Isopropyl ether	0001082	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Isopropylbenzene	0000988	NSE	NSE														< 0.72	< 0.14	< 0.14	< 0.14	< 1.4
Methyl Ethyl Ketone	0000789	4000	800														270	< 3.0	3.5	< 3.0	< 29.8
Methyl Isobutyl Ketone	0001081	500	50														< 10.7	< 2.1	< 2.1	< 2.1	< 21.4
Methyl tert-butyl Ether	0016340	60	12														< 0.87	< 0.17	< 0.17	< 0.17	< 1.7
Methylene Chloride	0000750	5	0.5														< 1.2	< 0.23	< 0.23	< 0.23	<u>3.9</u>
Naphthalene	0000912	100	10														< 12.5	< 2.5	< 2.5	< 2.5	< 25.0
n-Butylbenzene	0001045	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
p-Isopropyltoluene	0000998	NSE	NSE														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Styrene	0001004	100	10														< 2.5	< 0.50	< 0.50	< 0.50	< 5.0
Tetrachloroethene	0001271	5	0.5														7.3	8.1	10.2	9.1	< 5.0
Toluene	0001088	800	160														150	131	3.7	< 0.50	<u>432</u>
Total TriMthBenzenes	TOTALT	480	96														< 5	< 1	< 1	< 1	< 10
Total Xylenes	TOTAL X	2000	400														17.5	22.2	< 1.5	< 1.5	60.2
Trichloroethene	0000790	5	0.5														< 1.7	< 0.33	< 0.33	< 0.33	< 3.3
Vinyl Chloride	0000750	0.2	0.02														< 0.88	< 0.18	< 0.18	< 0.18	< 1.8
Xylene - M & P	1796012	2000	400														14.1	16.3	< 1.0	< 1.0	45.1
Xylene - O	0000954	2000	400														3.4	5.9	< 0.50	< 0.50	15.1

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																			8880
1,1,2-Trichloroethane	0000790	5	0.5																			26.7
1,1-Dichloroethane	0000753	850	85																			141
1,1-Dichloroethene	0000753	7	0.7																			373
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			< 107
1,2,4-Trichlorobenzene	0001208	70	14																			< 110
1,2-cis-Dichloroethene	0001565	70	7																			362
1,2-Dichlorobenzene	0000955	600	60																			< 25.0
1,2-Dichloroethane	0001070	5	0.5																			< 8.4
1,2-Dichloropropane	0000788	5	0.5																			< 11.7
1,2-trans-Dichloroethene	0001566	100	20																			< 12.8
1,4-Dichlorobenzene	0001064	75	15																			< 25.0
124TRIMTHLBENZEN	0000956	480	96																			< 25.0
135TRIMTHLBENZEN	0001086	480	96																			< 25.0
2-Chlorotoluene	0000954	NSE	NSE																			< 25.0
Acetone	0000676	9000	1800																			< 148
Benzene	0000714	5	0.5																			< 25.0
Chloroethane	0000750	400	80																			< 18.7
Chloroform	0000676	6	0.6																			< 125
Chloromethane	0000748	30	3																			< 25.0
Dichlorodifluoromethan	0000757	1000	200																			< 11.2
Ethylbenzene	0001004	700	140																			< 25.0
Fluorotrichloromethane	0000756	3490	698																			< 9.2
Hexachlorobutadiene	0000876	NSE	NSE																			< 105
Isopropyl Alcohol	0000676	NSE	NSE																			< 1220
Isopropyl ether	0001082	NSE	NSE																			< 25.0
Isopropylbenzene	0000988	NSE	NSE																			< 7.2
Methyl Ethyl Ketone	0000789	4000	800																			< 149
Methyl Isobutyl Ketone	0001081	500	50																			< 107
Methyl tert-butyl Ether	0016340	60	12																			< 8.7
Methylene Chloride	0000750	5	0.5																			< 11.6
Naphthalene	0000912	100	10																			< 125
n-Butylbenzene	0001045	NSE	NSE																			< 25.0
p-Isopropyltoluene	0000998	NSE	NSE																			< 25.0
Styrene	0001004	100	10																			< 25.0
Tetrachloroethene	0001271	5	0.5																			4500
Toluene	0001088	800	160																			< 25.0
Total TriMthBenzenes	TOTALT	480	96																			< 50
Total Xylenes	TOTAL X	2000	400																			< 75
Trichloroethene	0000790	5	0.5																			7360
Vinyl Chloride	0000750	0.2	0.02																			< 8.8
Xylene - M & P	1796012	2000	400																			< 50.0
Xylene - O	0000954	2000	400																			< 25.0

233	W-33	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40																		3780
		1,1,2-Trichloroethane	0000790	5	0.5																		23.2
		1,1-Dichloroethane	0000753	850	85																		3420
		1,1-Dichloroethene	0000753	7	0.7																		92.0
		1,2,3-Trichlorobenzene	0000876	NSE	NSE																		< 107
		1,2,4-Trichlorobenzene	0001208	70	14																		< 110
		1,2-cis-Dichloroethene	0001565	70	7																		13600
		1,2-Dichlorobenzene	0000955	600	60																		< 25.0
		1,2-Dichloroethane	0001070	5	0.5																		22.2
		1,2-Dichloropropane	0000788	5	0.5																		< 11.7
		1,2-trans-Dichloroethene	0001566	100	20																		<u>48.2</u>
		1,4-Dichlorobenzene	0001064	75	15																		< 25.0
		124TRIMTHLBENZEN	0000956	480	96																		< 25.0
		135TRIMTHLBENZEN	0001086	480	96																		< 25.0
		2-Chlorotoluene	0000954	NSE	NSE																		< 25.0
		Acetone	0000676	9000	1800																		< 148
		Benzene	0000714	5	0.5																		< 25.0
		Chloroethane	0000750	400	80																		<u>235</u>
		Chloroform	0000676	6	0.6																		< 125
		Chloromethane	0000748	30	3																		< 25.0
		Dichlorodifluoromethan	0000757	1000	200																		< 11.2
		Ethylbenzene	0001004	700	140																		< 25.0
		Fluorotrichloromethane	0000756	3490	698																		< 9.2
		Hexachlorobutadiene	0000876	NSE	NSE																		< 105
		Isopropyl Alcohol	0000676	NSE	NSE																		< 1220
		Isopropyl ether	0001082	NSE	NSE																		< 25.0
		Isopropylbenzene	0000988	NSE	NSE																		< 7.2
		Methyl Ethyl Ketone	0000789	4000	800																		< 149
		Methyl Isobutyl Ketone	0001081	500	50																		< 107
		Methyl tert-butyl Ether	0016340	60	12																		< 8.7
		Methylene Chloride	0000750	5	0.5																		106
		Naphthalene	0000912	100	10																		< 125
		n-Butylbenzene	0001045	NSE	NSE																		< 25.0
		p-Isopropyltoluene	0000998	NSE	NSE																		< 25.0
		Styrene	0001004	100	10																		< 25.0
		Tetrachloroethene	0001271	5	0.5																		240
		Toluene	0001088	800	160																		<u>213</u>
		Total TriMthBenzenes	TOTALT	480	96																		< 50
		Total Xylenes	TOTAL X	2000	400																		< 75
		Trichloroethene	0000790	5	0.5																		240
		Vinyl Chloride	0000750	0.2	0.02																		116
		Xylene - M & P	1796012	2000	400																		< 50.0
		Xylene - O	0000954	2000	400																		45.4

300	W-101	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22		< .2		< .21		< .22													
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .17		< .25		< .23													
1,1-Dichloroethane	0000753	850	85	< .21		< .16		< .19		< .21													
1,1-Dichloroethene	0000753	7	0.7	< .21		< .15		< .2		< .21													
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .23		< .26		< .27													
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .3		< .28		< .32													
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .12		< .21		< .2													
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16													
1,2-Dichloroethane	0001070	5	0.5	< .16		< .22		< .24		< .16													
1,2-Dichloropropane	0000788	5	0.5	< .22		< .21		< .2		< .22													
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .13		< .19		< .26													
1,4-Dichlorobenzene	0001064	75	15	< .22		< .13		< .22		< .22													
124TRIMTHLBENZEN	0000956	480	96	< .18		< .12		< .24		< .18													
135TRIMTHLBENZEN	0001086	480	96	< .2		< .12		< .25		< .2													
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .15		< .26		< .2													
Acetone	0000676	9000	1800	< 4.2		< 4		< 4.2		5.5													
Benzene	0000714	5	0.5	< .2		< .13		< .26		< .2													
Chloroethane	0000750	400	80	< 1.5		< .67		< 2.1		< 1.5													
Chloroform	0000676	6	0.6	< .2		< .13		< .23		< .2													
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23													
Dichlorodifluoromethan	0000757	1000	200	< .29		< .13		< .19		< .29													
Ethylbenzene	0001004	700	140	< .21		< .12		< .22		< .21													
Fluorotrichloromethane	0000756	3490	698	< .32		< .11		< .25		< .32													
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .36		< .23		< .45													
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 14		15		13													
Isopropyl ether	0001082	NSE	NSE	< .25		< .2		< .19		< .25													
Isopropylbenzene	0000988	NSE	NSE	< .22		< .1		< .22		< .22													
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1													
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .64		< .31		< .53													
Methyl tert-butyl Ether	0016340	60	12	< .28		< .13		< .19		< .28													
Methylene Chloride	0000750	5	0.5	< .48		.34		< .4		< .48													
Naphthalene	0000912	100	10	< .41		< .31		< .32		< .41													
n-Butylbenzene	0001045	NSE	NSE	< .18		< .14		< .24		< .18													
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .11		< .2		< .19													
Styrene	0001004	100	10	< .17		< .11		< .19		< .17													
Tetrachloroethene	0001271	5	0.5	< .21		< .18		< .15		< .21													
Toluene	0001088	800	160	< .17		< .16		< .23		< .17													
Total TriMthBenzenes	TOTALT	480	96	< .18		< .12		< .24		< .18													
Total Xylenes	TOTAL X	2000	400	< .24		< .16		< .22		< .24													
Trichloroethene	0000790	5	0.5	< .17		< .16		< .25		< .17													
Vinyl Chloride	0000750	0.2	0.02	< .18		< .17		< .15		< .18													
Xylene - M & P	1796012	2000	400	< .33		< .22		< .46		< .33													
Xylene - O	0000954	2000	400	< .24		< .16		< .22		< .24													

303	MW-101A	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				

306	W-102	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																			
1,1,2-Trichloroethane	0000790	5	0.5																			
1,1-Dichloroethane	0000753	850	85																			
1,1-Dichloroethene	0000753	7	0.7																			
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			
1,2,4-Trichlorobenzene	0001208	70	14																			
1,2-cis-Dichloroethene	0001565	70	7																			
1,2-Dichlorobenzene	0000955	600	60																			
1,2-Dichloroethane	0001070	5	0.5																			
1,2-Dichloropropane	0000788	5	0.5																			
1,2-trans-Dichloroethene	0001566	100	20																			
1,4-Dichlorobenzene	0001064	75	15																			
124TRIMTHLBENZEN	0000956	480	96																			
135TRIMTHLBENZEN	0001086	480	96																			
2-Chlorotoluene	0000954	NSE	NSE																			
Acetone	0000676	9000	1800																			
Benzene	0000714	5	0.5																			
Chloroethane	0000750	400	80																			
Chloroform	0000676	6	0.6																			
Chloromethane	0000748	30	3																			
Dichlorodifluoromethan	0000757	1000	200																			
Ethylbenzene	0001004	700	140																			
Fluorotrichloromethane	0000756	3490	698																			
Hexachlorobutadiene	0000876	NSE	NSE																			
Isopropyl Alcohol	0000676	NSE	NSE																			
Isopropyl ether	0001082	NSE	NSE																			
Isopropylbenzene	0000988	NSE	NSE																			
Methyl Ethyl Ketone	0000789	4000	800																			
Methyl Isobutyl Ketone	0001081	500	50																			
Methyl tert-butyl Ether	0016340	60	12																			
Methylene Chloride	0000750	5	0.5																			
Naphthalene	0000912	100	10																			
n-Butylbenzene	0001045	NSE	NSE																			
p-Isopropyltoluene	0000998	NSE	NSE																			
Styrene	0001004	100	10																			
Tetrachloroethene	0001271	5	0.5																			
Toluene	0001088	800	160																			
Total TriMthBenzenes	TOTALT	480	96																			
Total Xylenes	TOTAL X	2000	400																			
Trichloroethene	0000790	5	0.5																			
Vinyl Chloride	0000750	0.2	0.02																			
Xylene - M & P	1796012	2000	400																			
Xylene - O	0000954	2000	400																			

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40			< .2																
1,1,2-Trichloroethane	0000790	5	0.5			< .17																
1,1-Dichloroethane	0000753	850	85			< .16																
1,1-Dichloroethene	0000753	7	0.7			< .15																
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23																
1,2,4-Trichlorobenzene	0001208	70	14			< .3																
1,2-cis-Dichloroethene	0001565	70	7			< .12																
1,2-Dichlorobenzene	0000955	600	60			< .13																
1,2-Dichloroethane	0001070	5	0.5			< .22																
1,2-Dichloropropane	0000788	5	0.5			< .21																
1,2-trans-Dichloroethene	0001566	100	20			< .13																
1,4-Dichlorobenzene	0001064	75	15			< .13																
124TRIMTHLBENZEN	0000956	480	96			< .12																
135TRIMTHLBENZEN	0001086	480	96			< .12																
2-Chlorotoluene	0000954	NSE	NSE			< .15																
Acetone	0000676	9000	1800			< 4																
Benzene	0000714	5	0.5			< .13																
Chloroethane	0000750	400	80			< .67																
Chloroform	0000676	6	0.6			< .13																
Chloromethane	0000748	30	3			< .28																
Dichlorodifluoromethan	0000757	1000	200			< .13																
Ethylbenzene	0001004	700	140			< .12																
Fluorotrichloromethane	0000756	3490	698			< .11																
Hexachlorobutadiene	0000876	NSE	NSE			< .36																
Isopropyl Alcohol	0000676	NSE	NSE			< 14																
Isopropyl ether	0001082	NSE	NSE			< .2																
Isopropylbenzene	0000988	NSE	NSE			< .1																
Methyl Ethyl Ketone	0000789	4000	800			< 1																
Methyl Isobutyl Ketone	0001081	500	50			< .64																
Methyl tert-butyl Ether	0016340	60	12			< .13																
Methylene Chloride	0000750	5	0.5			.34																
Naphthalene	0000912	100	10			< .31																
n-Butylbenzene	0001045	NSE	NSE			< .14																
p-Isopropyltoluene	0000998	NSE	NSE			< .11																
Styrene	0001004	100	10			< .11																
Tetrachloroethene	0001271	5	0.5			< .18																
Toluene	0001088	800	160			< .16																
Total TriMthBenzenes	TOTALT	480	96			< .12																
Total Xylenes	TOTAL X	2000	400			< .16																
Trichloroethene	0000790	5	0.5			< .16																
Vinyl Chloride	0000750	0.2	0.02			.33																
Xylene - M & P	1796012	2000	400			< .22																
Xylene - O	0000954	2000	400			< .16																

321	MW-104A	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40			< .2																	
1,1,2-Trichloroethane	0000790	5	0.5			< .17																	
1,1-Dichloroethane	0000753	850	85			< .16																	
1,1-Dichloroethene	0000753	7	0.7			< .15																	
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23																	
1,2,4-Trichlorobenzene	0001208	70	14			< .3																	
1,2-cis-Dichloroethene	0001565	70	7			< .12																	
1,2-Dichlorobenzene	0000955	600	60			< .13																	
1,2-Dichloroethane	0001070	5	0.5			< .22																	
1,2-Dichloropropane	0000788	5	0.5			< .21																	
1,2-trans-Dichloroethene	0001566	100	20			< .13																	
1,4-Dichlorobenzene	0001064	75	15			< .13																	
124TRIMTHLBENZEN	0000956	480	96			< .12																	
135TRIMTHLBENZEN	0001086	480	96			< .12																	
2-Chlorotoluene	0000954	NSE	NSE			< .15																	
Acetone	0000676	9000	1800			< 4																	
Benzene	0000714	5	0.5			< .13																	
Chloroethane	0000750	400	80			< .67																	
Chloroform	0000676	6	0.6			< .13																	
Chloromethane	0000748	30	3			< .28																	
Dichlorodifluoromethan	0000757	1000	200			< .13																	
Ethylbenzene	0001004	700	140			< .12																	
Fluorotrichloromethane	0000756	3490	698			< .11																	
Hexachlorobutadiene	0000876	NSE	NSE			< .36																	
Isopropyl Alcohol	0000676	NSE	NSE			< 14																	
Isopropyl ether	0001082	NSE	NSE			< .2																	
Isopropylbenzene	0000988	NSE	NSE			< .1																	
Methyl Ethyl Ketone	0000789	4000	800			< 1																	
Methyl Isobutyl Ketone	0001081	500	50			< .64																	
Methyl tert-butyl Ether	0016340	60	12			< .13																	
Methylene Chloride	0000750	5	0.5			.32																	
Naphthalene	0000912	100	10			< .31																	
n-Butylbenzene	0001045	NSE	NSE			< .14																	
p-Isopropyltoluene	0000998	NSE	NSE			< .11																	
Styrene	0001004	100	10			< .11																	
Tetrachloroethene	0001271	5	0.5			< .18																	
Toluene	0001088	800	160			< .16																	
Total TriMthBenzenes	TOTALT	480	96			< .12																	
Total Xylenes	TOTAL X	2000	400			< .16																	
Trichloroethene	0000790	5	0.5			< .16																	
Vinyl Chloride	0000750	0.2	0.02			.32																	
Xylene - M & P	1796012	2000	400			< .22																	
Xylene - O	0000954	2000	400			< .16																	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	4.9		< 4.2		< 4.2		< 4.2		< 2.6			< 3.0			4.7		< 3.0	
Benzene	0000714	5	0.5	< .24		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	26		< 8.3		< 6.3		< 8.3		< 40.8			25.1			280		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	1.4		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	4.2		< 4.2		< 4.2		< 4.2		< 2.6			3.1			4.0		< 3.0	
Benzene	0000714	5	0.5	< .24		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	18		< 8.3		< 6.3		< 8.3		< 40.8			41.3			55.8		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	.96		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																			
1,1,2-Trichloroethane	0000790	5	0.5																			
1,1-Dichloroethane	0000753	850	85																			
1,1-Dichloroethene	0000753	7	0.7																			
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			
1,2,4-Trichlorobenzene	0001208	70	14																			
1,2-cis-Dichloroethene	0001565	70	7																			
1,2-Dichlorobenzene	0000955	600	60																			
1,2-Dichloroethane	0001070	5	0.5																			
1,2-Dichloropropane	0000788	5	0.5																			
1,2-trans-Dichloroethene	0001566	100	20																			
1,4-Dichlorobenzene	0001064	75	15																			
124TRIMTHLBENZEN	0000956	480	96																			
135TRIMTHLBENZEN	0001086	480	96																			
2-Chlorotoluene	0000954	NSE	NSE																			
Acetone	0000676	9000	1800																			
Benzene	0000714	5	0.5																			
Chloroethane	0000750	400	80																			
Chloroform	0000676	6	0.6																			
Chloromethane	0000748	30	3																			
Dichlorodifluoromethan	0000757	1000	200																			
Ethylbenzene	0001004	700	140																			
Fluorotrichloromethane	0000756	3490	698																			
Hexachlorobutadiene	0000876	NSE	NSE																			
Isopropyl Alcohol	0000676	NSE	NSE																			
Isopropyl ether	0001082	NSE	NSE																			
Isopropylbenzene	0000988	NSE	NSE																			
Methyl Ethyl Ketone	0000789	4000	800																			
Methyl Isobutyl Ketone	0001081	500	50																			
Methyl tert-butyl Ether	0016340	60	12																			
Methylene Chloride	0000750	5	0.5																			
Naphthalene	0000912	100	10																			
n-Butylbenzene	0001045	NSE	NSE																			
p-Isopropyltoluene	0000998	NSE	NSE																			
Styrene	0001004	100	10																			
Tetrachloroethene	0001271	5	0.5																			
Toluene	0001088	800	160																			
Total TriMthBenzenes	TOTALT	480	96																			
Total Xylenes	TOTAL X	2000	400																			
Trichloroethene	0000790	5	0.5																			
Vinyl Chloride	0000750	0.2	0.02																			
Xylene - M & P	1796012	2000	400																			
Xylene - O	0000954	2000	400																			

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																			
1,1,2-Trichloroethane	0000790	5	0.5																			
1,1-Dichloroethane	0000753	850	85																			
1,1-Dichloroethene	0000753	7	0.7																			
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			
1,2,4-Trichlorobenzene	0001208	70	14																			
1,2-cis-Dichloroethene	0001565	70	7																			
1,2-Dichlorobenzene	0000955	600	60																			
1,2-Dichloroethane	0001070	5	0.5																			
1,2-Dichloropropane	0000788	5	0.5																			
1,2-trans-Dichloroethene	0001566	100	20																			
1,4-Dichlorobenzene	0001064	75	15																			
124TRIMTHLBENZEN	0000956	480	96																			
135TRIMTHLBENZEN	0001086	480	96																			
2-Chlorotoluene	0000954	NSE	NSE																			
Acetone	0000676	9000	1800																			
Benzene	0000714	5	0.5																			
Chloroethane	0000750	400	80																			
Chloroform	0000676	6	0.6																			
Chloromethane	0000748	30	3																			
Dichlorodifluoromethan	0000757	1000	200																			
Ethylbenzene	0001004	700	140																			
Fluorotrichloromethane	0000756	3490	698																			
Hexachlorobutadiene	0000876	NSE	NSE																			
Isopropyl Alcohol	0000676	NSE	NSE																			
Isopropyl ether	0001082	NSE	NSE																			
Isopropylbenzene	0000988	NSE	NSE																			
Methyl Ethyl Ketone	0000789	4000	800																			
Methyl Isobutyl Ketone	0001081	500	50																			
Methyl tert-butyl Ether	0016340	60	12																			
Methylene Chloride	0000750	5	0.5																			
Naphthalene	0000912	100	10																			
n-Butylbenzene	0001045	NSE	NSE																			
p-Isopropyltoluene	0000998	NSE	NSE																			
Styrene	0001004	100	10																			
Tetrachloroethene	0001271	5	0.5																			
Toluene	0001088	800	160																			
Total TriMthBenzenes	TOTALT	480	96																			
Total Xylenes	TOTAL X	2000	400																			
Trichloroethene	0000790	5	0.5																			
Vinyl Chloride	0000750	0.2	0.02																			
Xylene - M & P	1796012	2000	400																			
Xylene - O	0000954	2000	400																			

345	MW-108A	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																			
1,1,2-Trichloroethane	0000790	5	0.5																			
1,1-Dichloroethane	0000753	850	85																			
1,1-Dichloroethene	0000753	7	0.7																			
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			
1,2,4-Trichlorobenzene	0001208	70	14																			
1,2-cis-Dichloroethene	0001565	70	7																			
1,2-Dichlorobenzene	0000955	600	60																			
1,2-Dichloroethane	0001070	5	0.5																			
1,2-Dichloropropane	0000788	5	0.5																			
1,2-trans-Dichloroethene	0001566	100	20																			
1,4-Dichlorobenzene	0001064	75	15																			
124TRIMTHLBENZEN	0000956	480	96																			
135TRIMTHLBENZEN	0001086	480	96																			
2-Chlorotoluene	0000954	NSE	NSE																			
Acetone	0000676	9000	1800																			
Benzene	0000714	5	0.5																			
Chloroethane	0000750	400	80																			
Chloroform	0000676	6	0.6																			
Chloromethane	0000748	30	3																			
Dichlorodifluoromethan	0000757	1000	200																			
Ethylbenzene	0001004	700	140																			
Fluorotrichloromethane	0000756	3490	698																			
Hexachlorobutadiene	0000876	NSE	NSE																			
Isopropyl Alcohol	0000676	NSE	NSE																			
Isopropyl ether	0001082	NSE	NSE																			
Isopropylbenzene	0000988	NSE	NSE																			
Methyl Ethyl Ketone	0000789	4000	800																			
Methyl Isobutyl Ketone	0001081	500	50																			
Methyl tert-butyl Ether	0016340	60	12																			
Methylene Chloride	0000750	5	0.5																			
Naphthalene	0000912	100	10																			
n-Butylbenzene	0001045	NSE	NSE																			
p-Isopropyltoluene	0000998	NSE	NSE																			
Styrene	0001004	100	10																			
Tetrachloroethene	0001271	5	0.5																			
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Total TriMthBenzenes	TOTALT	480	96																			
Total Xylenes	TOTAL X	2000	400																			
Trichloroethene	0000790	5	0.5																			
Vinyl Chloride	0000750	0.2	0.02																			
Xylene - M & P	1796012	2000	400																			
Xylene - O	0000954	2000	400																			

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13	< .22	< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21	< .23	< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20	
1,1-Dichloroethane	0000753	850	85	.45	.32	.36	.43	.47	< .19	< .21	.24	0.33	< 0.28		0.34	0.41		< 0.24	< 0.24	< 0.24	< 0.24	
1,1-Dichloroethene	0000753	7	0.7	.26	< .21	.29	.33	.44	< .2	< .21	< .2	< 0.43	< 0.43		< 0.41	0.45		< 0.41	< 0.41	< 0.41	< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3	< .27	< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22	< .32	< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16	< .2	< .2	< .2	< .21	< .21	< .2	< .21	< 0.42	< 0.42		< 0.26	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16	< .16	< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15	< .16	< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33	< .22	< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21	< .26	< .26	< .26	< .19	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24	< 0.26		< 0.26	< 0.26	< 0.26	< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19	< .2	< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19	< .2	< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Acetone	0000676	9000	1800	< 4	< 4.2	< 4.2	< 4.2	< 4.2	4.2	4.7	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	9.6	< 3.0	
Benzene	0000714	5	0.5	< .24	< .2	< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Chloroethane	0000750	400	80	< 1.1	< 1.5	< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		< 0.37	< 0.37	< 0.37	< 0.37	
Chloroform	0000676	6	0.6	< .13	< .2	< .2	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
Chloromethane	0000748	30	3	< .23	< .23	< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25	< .29	< .29	< .29	< .19	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22	
Ethylbenzene	0001004	700	140	< .15	< .21	< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21	< .32	< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25	< .45	< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10	< 8.3	< 8.3	< 8.3	23	28	14	< 6.3	< 40.8	< 40.8		< 24.3	33.8		< 24.3	< 24.3	< 24.3	< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16	< .25	< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18	< .22	< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37	< .53	< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19	< .28	< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17	
Methylene Chloride	0000750	5	0.5	< .22	< .48	< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23	
Naphthalene	0000912	100	10	< .32	< .41	< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16	< .19	< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Styrene	0001004	100	10	< .2	< .17	< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12	< .21	< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Toluene	0001088	800	160	< .18	< .17	< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19	< .18	< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1	
Total Xylenes	TOTAL X	2000	400	< .17	< .24	< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5	
Trichloroethene	0000790	5	0.5	< .37	< .17	< .17	< .17	< .25	< .25	< .17	< .25	< 0.43	< 0.36		< 0.33	< 0.33		< 0.33	< 0.33	< 0.33	< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17	< .18	< .18	< .18	< .15	< .15	< .18	< .15	< 0.18	< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18	
Xylene - M & P	1796012	2000	400	< .28	< .33	< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	
Xylene - O	0000954	2000	400	< .17	< .24	< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	

360	MW-111A	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40	< 3.1	< 5.5	< .98	< .22	< 1	< 1	< 1.1	1	< 1.1	< 0.44		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
1,1,2-Trichloroethane	0000790	5	0.5	< 5.2	< 5.6	< .83	< .23	< 1.3	< 1.3	< 1.1	< 1.3	< 0.97	< 0.39		< 0.16	< 0.16		< 0.39	< 0.20	< 0.20	< 0.99		
1,1-Dichloroethane	0000753	850	85	<u>140</u>	14	4.3	4.7	6.5	4.2	9.6	15	20.4	9.2		12.9	10.3		26.0	14.1	10	7.5		
1,1-Dichloroethene	0000753	7	0.7	< 5.4	< 5.2	< .76	<u>2.1</u>	< 1	< 1	< 1	< 1	< 1.1	< 0.43		< 0.41	< 0.41		< 0.82	< 0.41	< 0.41	< 2.1		
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 7.4	< 6.8	< 1.1	< .27	< 1.3	< 1.3	< 1.4	< 1.3	< 1.9	< 0.77		< 2.1	< 2.1		< 4.3	< 2.1	< 2.1	< 10.7		
1,2,4-Trichlorobenzene	0001208	70	14	< 5.5	< 8	< 1.5	< .32	< 1.4	< 1.4	< 1.6	< 1.4	< 6.2	< 2.5		< 2.2	< 2.2		< 4.4	< 2.2	< 2.2	< 11.0		
1,2-cis-Dichloroethene	0001565	70	7	< 4.1	< 5.1	< .6	.33	< 1	< 1	< 1	< 1	< 1.0	< 0.42		0.49	0.35		0.67	0.61	0.54	< 1.3		
1,2-Dichlorobenzene	0000955	600	60	< 4	< 4	< .65	< .16	< .93	< .93	< .79	< .93	< 1.1	< 0.44		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
1,2-Dichloroethane	0001070	5	0.5	24	19	14	13	14	14	18	18	17.9	5.2		22.5	25.1		10.3	18.1	21.8	30.8		
1,2-Dichloropropane	0000788	5	0.5	< 8.2	< 5.4	<u>4.5</u>	<u>3.5</u>	<u>4.1</u>	<u>3.4</u>	5.5	5.3	5.3	<u>1.7</u>		<u>4.3</u>	5.0		<u>2.2</u>	<u>2.3</u>	<u>2.5</u>	<u>1.9</u>		
1,2-trans-Dichloroethene	0001566	100	20	< 5.1	< 6.5	.91	.89	1.1	< .97	1.9	1.3	1.8	0.56		1.2	1.4		0.91	1.2	1.5	2.3		
1,4-Dichlorobenzene	0001064	75	15	< 7.4	< 5.6	< .64	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.43		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
124TRIMTHLBENZEN	0000956	480	96	< 4.8	< 4.5	< .6	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.4	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
135TRIMTHLBENZEN	0001086	480	96	< 4.9	< 4.9	< .61	< .2	< 1.3	< 1.3	< .98	< 1.3	< 6.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
2-Chlorotoluene	0000954	NSE	NSE	< 4.7	< 5	< .73	< .2	< 1.3	< 1.3	< 1	< 1.3	< 1.2	< 0.48		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Acetone	0000676	9000	1800	< 100	< 100	< 20	< 4.2	< 21	< 21	< 21	< 21	< 6.5	< 2.6		< 3.0	< 3.0		< 5.9	< 3.0	< 3.0	< 14.8		
Benzene	0000714	5	0.5	< 6	< 4.9	<u>1.6</u>	<u>1.5</u>	<u>1.4</u>	< 1.3	<u>2.3</u>	<u>1.9</u>	<u>2.3</u>	<u>0.84</u>		<u>2.0</u>	<u>2.8</u>		<u>1.2</u>	<u>1.8</u>	<u>2.2</u>	<u>3.2</u>		
Chloroethane	0000750	400	80	<u>190</u>	<u>200</u>	<u>200</u>	<u>250</u>	<u>200</u>	<u>200</u>	<u>260</u>	<u>220</u>	<u>201</u>	31.7		<u>240</u>	<u>269</u>		<u>91.3</u>	<u>140</u>	<u>259</u>	<u>285</u>		
Chloroform	0000676	6	0.6	< 3.3	< 5.1	< .65	< .2	< 1.1	< 1.1	< 1	< 1.1	< 1.7	< 0.69		< 2.5	< 2.5		< 5.0	< 2.5	< 2.5	< 12.5		
Chloromethane	0000748	30	3	< 5.8	< 5.8	< 1.4	< .23	< 1.2	< 1.2	< 1.2	< 1.2	< 0.97	< 0.39		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Dichlorodifluoromethan	0000757	1000	200	< 6.2	< 7.2	< .67	< .29	< .95	< .95	< 1.4	< .95	< 1.0	< 0.40		< 0.16	< 0.20		< 0.45	< 0.22	< 0.22	< 1.1		
Ethylbenzene	0001004	700	140	< 3.9	< 5.2	< .6	< .21	< 1.1	< 1.1	< 1	< 1.1	< 1.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Fluorotrichloromethane	0000756	3490	698	< 5.3	< 7.9	< .54	< .32	< 1.3	< 1.3	< 1.6	< 1.3	< 1.2	< 0.48		< 0.17	< 0.17		< 0.37	< 0.18	< 0.18	< 0.92		
Hexachlorobutadiene	0000876	NSE	NSE	< 6.2	< 11	< 1.8	< .45	< 1.1	< 1.1	< 2.2	< 1.1	< 3.1	< 1.3		< 2.1	< 2.1		< 4.2	< 2.1	< 2.1	< 10.5		
Isopropyl Alcohol	0000676	NSE	NSE	< 250	< 210	< 71	< 8.3	< 32	< 32	< 41	< 32	< 102	< 40.8		< 24.3	< 24.3		63.3	< 24.3	< 24.3	< 122		
Isopropyl ether	0001082	NSE	NSE	< 3.9	< 6.1	< 1	< .25	< .95	< .95	< 1.2	< .95	< 1.2	< 0.50		1.0	1.3		1.5	1.3	1.8	< 2.5		
Isopropylbenzene	0000988	NSE	NSE	< 4.4	< 5.4	< .51	< .22	< 1.1	< 1.1	< 1.1	< 1.1	< 0.85	< 0.34		< 0.12	< 0.14		< 0.29	< 0.14	< 0.14	< 0.72		
Methyl Ethyl Ketone	0000789	4000	800	< 12	< 25	< 5	1	< 5	< 5	< 5	< 5	< 6.7	< 2.7		< 3.0	< 3.0		< 6.0	< 3.0	< 3.0	< 14.9		
Methyl Isobutyl Ketone	0001081	500	50	31	< 13	14	3.5	3.3	5.5	< 2.7	< 1.6	< 5.9	< 2.3		3.7	< 2.1		< 4.3	< 2.1	< 2.1	< 10.7		
Methyl tert-butyl Ether	0016340	60	12	< 4.8	< 7.1	< .64	< .28	< .95	< .95	< 1.4	< .95	< 1.2	< 0.49		< 0.17	< 0.17		< 0.35	< 0.17	< 0.17	< 0.87		
Methylene Chloride	0000750	5	0.5	< 5.5	38	<u>4.8</u>	< .48	< 2	< 2	< 2.4	< 2	< 0.90	< 0.36		< 0.23	< 0.23		< 0.47	< 0.23	< 0.23	< 1.2		
Naphthalene	0000912	100	10	< 7.9	< 10	< 1.5	< .41	< 1.6	< 1.6	< 2	< 1.6	< 6.2	< 2.5		< 2.5	< 2.5		< 5.0	< 2.5	< 2.5	< 12.5		
n-Butylbenzene	0001045	NSE	NSE	< 5.6	< 4.5	< .68	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.0	< 0.40		< 0.22	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
p-Isopropyltoluene	0000998	NSE	NSE	< 4.1	< 4.8	< .54	< .19	< 1	< 1	< .95	< 1	< 0.99	< 0.40		< 0.13	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Styrene	0001004	100	10	< 5	< 4.3	< .55	< .17	< .97	< .97	< .86	< .97	< 0.87	< 0.35		< 0.15	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Tetrachloroethene	0001271	5	0.5	< 3	< 5.2	< .9	< .21	< .73	< .73	< 1	< .73	< 1.2	< 0.47		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		
Toluene	0001088	800	160	56	53	54	55	31	16	45	49	18.3	0.51		7.8	6.7		3.8	3.8	18.3	24.3		
Total TriMthBenzenes	TOTALT	480	96	< 4.8	< 4.5	< .6	< .18	< 1.2	< 1.2	< .91	< 1.2	< 1.4	< .5		< .5	< 1		< 2	< 1	< 1	< 5		
Total Xylenes	TOTAL X	2000	400	< 4.1	< 6	< .78	< .24	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< .5		< .5	< 1.5		< 3	< 1.5	< 1.5	< 7.5		
Trichloroethene	0000790	5	0.5	< 9.3	< 4.2	< .82	.18	< 1.2	< 1.2	< .84	<u>1.4</u>	< 1.1	< 0.36		0.40	< 0.33		< 0.66	< 0.33	< 0.33	< 1.7		
Vinyl Chloride	0000750	0.2	0.02	< 4.2	< 4.6	< .87	.58	< .75	< .75	< .92	< .75	< 0.46	0.27		< 0.18	0.45		< 0.35	< 0.18	0.52	< 0.88		
Xylene - M & P	1796012	2000	400	< 7	< 8.4	< 1.1	< .33	< 2.3	< 2.3	< 1.7	< 2.3	< 2.0	< 0.82		< 1.0	< 1.0		< 2.0	< 1.0	< 1.0	< 5.0		
Xylene - O	0000954	2000	400	< 4.1	< 6	< .78	< .24	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 0.50		< 0.50	< 0.50		< 1.0	< 0.50	< 0.50	< 2.5		

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< 1.1	< 1.1	< .44	< 2.2	< .82	< .82	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
1,1,2-Trichloroethane	0000790	5	0.5	< 1.1	< 1.1	< .45	< 2.3	< 1	< 1	.43	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 2.0	
1,1-Dichloroethane	0000753	850	85	35	18	14	15	12	15	6.7	5.4	6.5	33		50.5	44.1		11.1	11.2	10.3	8.8	
1,1-Dichloroethene	0000753	7	0.7	< 1	< 1	< .42	< 2.1	< .8	< .8	<u>.84</u>	.61	<u>1.1</u>	< 0.43		< 0.41	< 0.41		< 0.41	< 0.41	< 0.41	< 4.1	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 1.4	< 1.4	< .54	< 2.7	< 1	< 1	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.3	
1,2,4-Trichlorobenzene	0001208	70	14	< 1.6	< 1.6	< .64	< 3.2	< 1.1	< 1.1	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 22.1	
1,2-cis-Dichloroethene	0001565	70	7	< 1	< 1	1.2	< 2	< .82	< .82	3	5.3	<u>9.5</u>	1.6		2.7	0.86		0.81	1.1	2.8	< 2.6	
1,2-Dichlorobenzene	0000955	600	60	< .79	< .79	< .32	< 1.6	< .74	< .74	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
1,2-Dichloroethane	0001070	5	0.5	<u>7.3</u>	<u>2.5</u>	<u>2</u>	<u>4.2</u>	<u>1.7</u>	<u>2.1</u>	<u>.64</u>	.32	< 0.48	<u>1.7</u>		<u>2.7</u>	<u>3.0</u>		<u>4.1</u>	<u>6.0</u>	<u>4.3</u>	<u>25.4</u>	
1,2-Dichloropropane	0000788	5	0.5	<u>1.7</u>	< 1.1	< .43	< 2.2	< .79	< .79	< .22	< .2	< 0.50	<u>0.54</u>		<u>1.0</u>	<u>1.1</u>		<u>1.1</u>	<u>1.0</u>	<u>0.92</u>	<u>10.7</u>	
1,2-trans-Dichloroethene	0001566	100	20	< 1.3	< 1.3	< .52	< 2.6	< .77	< .77	.82	1.2	1.6	0.69		1.1	1.2		0.87	1.0	1.2	< 2.6	
1,4-Dichlorobenzene	0001064	75	15	< 1.1	< 1.1	< .44	< 2.2	< .87	< .87	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
124TRIMTHLBENZEN	0000956	480	96	< .91	< .91	< .36	< 1.8	< .94	< .94	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
135TRIMTHLBENZEN	0001086	480	96	< .98	< .98	< .39	< 2	< 1	< 1	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
2-Chlorotoluene	0000954	NSE	NSE	< 1	< 1	< .4	< 2	< 1	< 1	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Acetone	0000676	9000	1800	< 21	< 21	< 8.3	< 42	< 17	< 17	< 4.2	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 29.5	
Benzene	0000714	5	0.5	< .98	< .98	<u>.7</u>	< 2	< 1	< 1	.2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Chloroethane	0000750	400	80	38	< 7.6	< 3	25	< 8.2	< 8.2	< 1.5	< 2.1	< 0.44	5.4		10.0	20.7		56.6	37.7	43.7	<u>363</u>	
Chloroform	0000676	6	0.6	< 1	< 1	< .4	< 2	< .9	< .9	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 25.0	
Chloromethane	0000748	30	3	< 1.2	< 1.2	< .47	< 2.3	< .96	< .96	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Dichlorodifluoromethan	0000757	1000	200	< 1.4	< 1.4	< .58	< 2.9	< .76	< .76	.32	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 2.2	
Ethylbenzene	0001004	700	140	< 1	< 1	< .41	< 2.1	< .86	< .86	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Fluorotrichloromethane	0000756	3490	698	< 1.6	< 1.6	< .63	< 3.2	< 1	< 1	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 1.8	
Hexachlorobutadiene	0000876	NSE	NSE	< 2.2	< 2.2	< .89	< 4.5	< .9	< .9	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 41	< 41	< 17	< 83	< 25	51	< 8.3	< 6.3	< 40.8	< 40.8		< 24.3	< 24.3		29.9	< 24.3	< 24.3	< 243	
Isopropyl ether	0001082	NSE	NSE	< 1.2	< 1.2	< .49	< 2.5	< .76	< .76	< .25	< .19	< 0.50	< 0.50		0.97	1.1		1.4	1.7	1.4	< 5.0	
Isopropylbenzene	0000988	NSE	NSE	< 1.1	< 1.1	< .43	< 2.2	< .89	< .89	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 1.4	
Methyl Ethyl Ketone	0000789	4000	800	< 5	< 5	< 2	< 10	< 4	< 4	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 29.8	
Methyl Isobutyl Ketone	0001081	500	50	3.2	< 2.7	< 1.1	< 5.3	< 1.3	< 1.3	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 21.4	
Methyl tert-butyl Ether	0016340	60	12	< 1.4	< 1.4	< .57	< 2.8	< .76	< .76	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 1.7	
Methylene Chloride	0000750	5	0.5	< 2.4	<u>6.7</u>	< .96	< 4.8	< 1.6	< 1.6	< .48	< .4	< 0.36	< 0.36		< 0.23	0.35		< 0.23	< 0.23	< 0.23	< 2.3	
Naphthalene	0000912	100	10	< 2	< 2	< .81	< 4.1	< 1.3	< 1.3	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 25.0	
n-Butylbenzene	0001045	NSE	NSE	< .91	< .91	< .36	< 1.8	< .98	< .98	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
p-Isopropyltoluene	0000998	NSE	NSE	< .95	< .95	< .38	< 1.9	< .81	< .81	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Styrene	0001004	100	10	< .86	< .86	< .34	< 1.7	< .78	< .78	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Tetrachloroethene	0001271	5	0.5	< 1	< 1	< .41	< 2.1	< .58	< .58	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	
Toluene	0001088	800	160	9.6	< .86	.37	< 1.7	< .92	< .92	< .17	< .23	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	1.2	7.0	
Total TriMthBenzenes	TOTALT	480	96	< .91	< .91	< .36	< 1.8	< .94	< .94	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 10	
Total Xylenes	TOTAL X	2000	400	< 1.2	< 1.2	< .48	< 2.4	< .9	< .9	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 15	
Trichloroethene	0000790	5	0.5	<u>2.3</u>	<u>2.4</u>	<u>4.5</u>	<u>2.9</u>	<u>3.4</u>	<u>2.7</u>	<u>9.3</u>	<u>10</u>	<u>11.5</u>	<u>6.1</u>		<u>6.8</u>	<u>3.1</u>		<u>3.1</u>	<u>4.0</u>	< 0.33	< 3.3	
Vinyl Chloride	0000750	0.2	0.02	< .92	< .92	<u>1.1</u>	< 1.8	<u>.76</u>	< .6	<u>3.5</u>	<u>3</u>	<u>3.4</u>	<u>1.5</u>		<u>1.8</u>	<u>0.97</u>		<u>0.51</u>	<u>0.93</u>	<u>4.2</u>	< 1.8	
Xylene - M & P	1796012	2000	400	< 1.7	< 1.7	< .67	< 3.3	< 1.8	< 1.8	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 10.0	
Xylene - O	0000954	2000	400	< 1.2	< 1.2	< .48	< 2.4	< .9	< .9	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 5.0	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		5.3		< 4.2		< 4.2		3.4			< 3.0			3.6		3.5	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		42		< 8.3		< 40.8			< 24.3			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4.2		< 4.2		< 4.2		5		< 2.6			3.1			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .2		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .2		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .21		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		44		10		< 40.8			61.6			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .41		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .17		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .17		< .17		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .17		< .17		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .24		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .22		< .22		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .23		< .23		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .21		< .21		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .21		< .21		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .27		< .27		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .32		< .32		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .2		< .2		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .16		< .16		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .22		< .22		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .26		< .26		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .22		< .22		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .18		< .18		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .2		< .2		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .2		< .2		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4.2		< 4.2		< 4.2		9		< 2.6			< 3.0			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .2		< .2		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.5		< 1.5		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .2		< .2		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .23		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .29		< .29		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .21		< .21		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .32		< .32		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .45		< .45		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 8.3		< 8.3		18		15		< 40.8			30.0			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .25		< .25		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .22		< .22		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< 1		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .53		< .53		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .28		< .28		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .48		< .48		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .41		< .41		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .18		< .18		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .19		< .19		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .17		< .17		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .21		< .21		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .17		3.1		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .18		< .18		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .24		< .24		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .17		.19		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .18		< .18		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .33		< .33		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .24		< .24		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

375	MW-113	RESULTS MONTH/YEAR																				
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44				< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39				< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28				< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43				< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77				< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5				< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42				< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44				< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48				< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50				< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37				< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43				< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57				< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5				< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48				< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		8.5		< 4.2		6		< 2.6				< 3.0			11.4		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50				< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44				< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69				< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		.89		< .24		< .23		< 0.39				< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40				< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50				< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48				< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3				< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 6.3		20		< 40.8				< 24.3			258		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50				< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34				< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	< .5		< 1		< 1		< 1		< 2.7				< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3				< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49				< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36				< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5				< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40				< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40				< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35				< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47				< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44				< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57				< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5				< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43				< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18				< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82				< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50				< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	5		5.1		< 4.2		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	15		< 14		32		15		< 40.8			< 24.3			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	1.5		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		.21		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .22		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .23		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .21		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .21		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .27		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .32		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .2		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .16		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .16		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .22		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		.47		< .26		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .18		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .2		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .2		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		< 4		6.5		< 4.2		< 2.6			< 3.0			< 3.0		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .2		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 1.5		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .2		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .23		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .29		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .21		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .32		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .45		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		11		14		< 40.8			< 24.3			64.4		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .25		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	.62		< 1		< 1		< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .53		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .28		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .48		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .41		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .18		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .19		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .19		< .17		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .21		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		< .16		< .23		< .17		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .18		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .24		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .17		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .18		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .33		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .24		< 0.50			< 0.50			< 0.50		< 0.50	

384	MW-114	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40			< .22	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44	< 0.44	< 0.50				< 0.50		< 0.50		
1,1,2-Trichloroethane	0000790	5	0.5			< .23	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39	< 0.39	< 0.16				< 0.20		< 0.20		
1,1-Dichloroethane	0000753	850	85			1.2	1.5	1.8	1.2	1.1	1.1	0.97	0.66	1.3	0.95				0.74		0.76		
1,1-Dichloroethene	0000753	7	0.7			.46	.47	.54	.44	.55	.3	< 0.43	< 0.43	< 0.43	< 0.41				< 0.41		< 0.41		
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .27	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77	< 0.77	< 2.1				< 2.1		< 2.1		
1,2,4-Trichlorobenzene	0001208	70	14			< .32	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5	< 2.5	< 2.2				< 2.2		< 2.2		
1,2-cis-Dichloroethene	0001565	70	7			6.3	6.2	6.5	5.6	5.7	5.1	2.5	1.8	2.3	1.7				2.1		1.2		
1,2-Dichlorobenzene	0000955	600	60			< .16	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44	< 0.44	< 0.50				< 0.50		< 0.50		
1,2-Dichloroethane	0001070	5	0.5			< .16	< .16	< .24	< .24	< .16	< .24	< 0.48	< 0.48	< 0.48	< 0.17				< 0.17		< 0.17		
1,2-Dichloropropane	0000788	5	0.5			< .22	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50	< 0.50	< 0.23				< 0.23		< 0.23		
1,2-trans-Dichloroethene	0001566	100	20			< .26	< .26	< .19	< .19	< .26	< .19	< 0.37	< 0.37	< 0.37	< 0.24				< 0.26		< 0.26		
1,4-Dichlorobenzene	0001064	75	15			< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43	< 0.43	< 0.50				< 0.50		< 0.50		
124TRIMTHLBENZEN	0000956	480	96			< .18	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		
135TRIMTHLBENZEN	0001086	480	96			< .2	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		
2-Chlorotoluene	0000954	NSE	NSE			< .2	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48	< 0.48	< 0.50				< 0.50		< 0.50		
Acetone	0000676	9000	1800			< 4.2	4.3	< 4.2	< 4.2	< 4.2	< 4.2	< 2.6	< 2.6	< 2.6	3.5				< 3.0		< 3.0		
Benzene	0000714	5	0.5			< .2	< .2	< .26	< .26	< .2	< .26	< 0.50	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		
Chloroethane	0000750	400	80			< 1.5	< 1.5	< 2.1	< 2.1	< 1.5	< 2.1	0.51	< 0.44	0.79	< 0.37				< 0.37		< 0.37		
Chloroform	0000676	6	0.6			<u>2</u>	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69	< 0.69	< 2.5				< 2.5		< 2.5		
Chloromethane	0000748	30	3			< .23	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39	< 0.39	< 0.50				< 0.50		< 0.50		
Dichlorodifluoromethan	0000757	1000	200			< .29	5.6	8.2	13	14	9.7	9.3	5	6.6	6.4				6.2		5.2		
Ethylbenzene	0001004	700	140			< .21	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		
Fluorotrichloromethane	0000756	3490	698			< .32	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48	< 0.48	< 0.17				< 0.18		< 0.18		
Hexachlorobutadiene	0000876	NSE	NSE			< .45	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3	< 1.3	< 2.1				< 2.1		< 2.1		
Isopropyl Alcohol	0000676	NSE	NSE			< 8.3	< 8.3	< 6.3	39	8.7	< 6.3	< 40.8	< 40.8	< 40.8	72.8				< 24.3		< 24.3		
Isopropyl ether	0001082	NSE	NSE			< .25	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		
Isopropylbenzene	0000988	NSE	NSE			< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34	< 0.34	< 0.12				< 0.14		< 0.14		
Methyl Ethyl Ketone	0000789	4000	800			< 1	1.2	< 1	< 1	1.1	< 1	< 2.7	< 2.7	< 2.7	< 3.0				< 3.0		< 3.0		
Methyl Isobutyl Ketone	0001081	500	50			< .53	< .53	< .31	< .31	< .53	< .31	< 2.3	< 2.3	< 2.3	< 2.1				< 2.1		< 2.1		
Methyl tert-butyl Ether	0016340	60	12			< .28	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49	< 0.49	< 0.17				< 0.17		< 0.17		
Methylene Chloride	0000750	5	0.5			< .48	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36	< 0.36	< 0.23				< 0.23		< 0.23		
Naphthalene	0000912	100	10			< .41	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5	< 2.5	< 2.5				< 2.5		< 2.5		
n-Butylbenzene	0001045	NSE	NSE			< .18	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40	< 0.40	< 0.22				< 0.50		< 0.50		
p-Isopropyltoluene	0000998	NSE	NSE			< .19	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40	< 0.40	< 0.13				< 0.50		< 0.50		
Styrene	0001004	100	10			< .17	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35	< 0.35	< 0.15				< 0.50		< 0.50		
Tetrachloroethene	0001271	5	0.5			< .21	< .21	< .15	< .15	< .21	< .15	< 0.47	< 0.47	< 0.47	< 0.50				< 0.50		< 0.50		
Toluene	0001088	800	160			< .17	< .17	< .23	< .23	< .17	< .23	< 0.44	< 0.44	2.2	< 0.50				< 0.50		< 0.50		
Total TriMthBenzenes	TOTALT	480	96			< .18	< .18	< .24	< .24	< .18	< .24	< .57	< .5	< .5	< .5				< 1		< 1		
Total Xylenes	TOTAL X	2000	400			< .24	< .24	< .22	< .22	< .24	< .22	< .5	< .5	< .5	< .5				< 1.5		< 1.5		
Trichloroethene	0000790	5	0.5			<u>1.8</u>	<u>2.2</u>	<u>2.1</u>	<u>2.3</u>	<u>2.2</u>	<u>2.2</u>	<u>3.0</u>	<u>2.3</u>	<u>2.8</u>	<u>2.8</u>				<u>2.5</u>		<u>1.6</u>		
Vinyl Chloride	0000750	0.2	0.02			<u>.49</u>	<u>.29</u>	<u>.18</u>	< .15	< .18	< .15	< 0.18	< 0.18	< 0.18	< 0.18				< 0.18		< 0.18		
Xylene - M & P	1796012	2000	400			< .33	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82	< 0.82	< 1.0				< 1.0		< 1.0		
Xylene - O	0000954	2000	400			< .24	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50	< 0.50	< 0.50				< 0.50		< 0.50		

387	MW-114A	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .21	< .21	< .22	< .21	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .25	< .25	< .23	< .25	< 0.39	< 0.39			< 0.16			< 0.20		< 0.20		
1,1-Dichloroethane	0000753	850	85			1.7	2.5	5.5	< .19	2.5	2	2.5	1.7			2.7			2.0		2.1		
1,1-Dichloroethene	0000753	7	0.7			.18	.28	<u>1.1</u>	< .2	.68	< .2	< 0.43	< 0.43			< 0.41			< 0.41		< 0.41		
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .26	< .26	< .27	< .26	< 0.77	< 0.77			< 2.1			< 2.1		< 2.1		
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .28	< .28	< .32	< .28	< 2.5	< 2.5			< 2.2			< 2.2		< 2.2		
1,2-cis-Dichloroethene	0001565	70	7			.16	.42	1.8	< .21	.72	< .21	< 0.42	< 0.42			0.51			0.50		0.43		
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .19	< .19	< .16	< .19	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		
1,2-Dichloroethane	0001070	5	0.5			<u>.58</u>	.29	<u>1.3</u>	< .24	<u>.96</u>	.4	< 0.48	< 0.48			0.27			0.22		0.28		
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .2	< .2	< .22	< .2	< 0.50	< 0.50			< 0.23			< 0.23		< 0.23		
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	.7	< .19	< .26	< .19	< 0.37	< 0.37			< 0.24			< 0.26		< 0.26		
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43			< 0.50			< 0.50		< 0.50		
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< 0.57	< 0.50			< 0.50			< 0.50		< 0.50		
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .25	< .25	< .2	< .25	< 2.5	< 0.50			< 0.50			< 0.50		< 0.50		
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .26	< .26	< .2	< .26	< 0.48	< 0.48			< 0.50			< 0.50		< 0.50		
Acetone	0000676	9000	1800			< 4	< 4.2	< 4.2	4.9	< 4.2	< 4.2	< 2.6	< 2.6			< 3.0			< 3.0		< 3.0		
Benzene	0000714	5	0.5			.17	< .2	.5	< .26	.5	< .26	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		
Chloroethane	0000750	400	80			1.2	< 1.5	3.2	< 2.1	4.8	< 2.1	< 0.44	< 0.44			< 0.37			< 0.37		< 0.37		
Chloroform	0000676	6	0.6			.17	< .2	< .23	< .23	< .2	< .23	< 0.69	< 0.69			< 2.5			< 2.5		< 2.5		
Chloromethane	0000748	30	3			< .28	< .23	< .24	< .24	< .23	< .24	< 0.39	< 0.39			< 0.50			< 0.50		< 0.50		
Dichlorodifluoromethan	0000757	1000	200			.2	< .29	.23	< .19	.61	< .19	< 0.40	< 0.40			0.18			0.27		0.28		
Ethylbenzene	0001004	700	140			< .12	< .21	< .22	< .22	< .21	< .22	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .25	< .25	< .32	< .25	< 0.48	< 0.48			< 0.17			< 0.18		< 0.18		
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .23	< .23	< .45	< .23	< 1.3	< 1.3			< 2.1			< 2.1		< 2.1		
Isopropyl Alcohol	0000676	NSE	NSE			< 14	< 8.3	7	8.3	< 8.3	< 6.3	< 40.8	< 40.8			38.1			< 24.3		< 24.3		
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .19	< .19	< .25	< .19	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34			< 0.12			< 0.14		< 0.14		
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7			< 3.0			< 3.0		< 3.0		
Methyl Isobutyl Ketone	0001081	500	50			23	< .53	5.2	< .31	.77	< .31	< 2.3	< 2.3			< 2.1			< 2.1		< 2.1		
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .19	< .19	< .28	< .19	< 0.49	< 0.49			< 0.17			< 0.17		< 0.17		
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .4	< .4	< .48	< .4	< 0.36	< 0.36			< 0.23			< 0.23		< 0.23		
Naphthalene	0000912	100	10			< .31	< .41	< .32	< .32	< .41	< .32	< 2.5	< 2.5			< 2.5			< 2.5		< 2.5		
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .24	< .24	< .18	< .24	< 0.40	< 0.40			< 0.22			< 0.50		< 0.50		
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .2	< .2	< .19	< .2	< 0.40	< 0.40			< 0.13			< 0.50		< 0.50		
Styrene	0001004	100	10			< .11	< .17	< .19	< .19	< .17	< .19	< 0.35	< 0.35			< 0.15			< 0.50		< 0.50		
Tetrachloroethene	0001271	5	0.5			< .18	< .21	.15	< .15	.34	< .15	<u>1.4</u>	<u>0.51</u>			<u>3.5</u>			10.3		13.4		
Toluene	0001088	800	160			.8	.22	3.1	< .23	4.8	.25	< 0.44	< 0.44			< 0.50			< 0.50		< 0.50		
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< .57	< .5			< .5			< 1		< 1		
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< .5	< .5			< .5			< 1.5		< 1.5		
Trichloroethene	0000790	5	0.5			<u>2.7</u>	<u>2.8</u>	<u>2.2</u>	< .25	<u>3.1</u>	<u>1.8</u>	<u>4.1</u>	<u>4.3</u>			<u>4.1</u>			<u>4.2</u>		<u>4.2</u>		
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	.44	< .15	.35	< .15	0.20	< 0.18			<u>0.18</u>			< 0.18		0.23		
Xylene - M & P	1796012	2000	400			< .22	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82			< 1.0			< 1.0		< 1.0		
Xylene - O	0000954	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< 0.50	< 0.50			< 0.50			< 0.50		< 0.50		

390	MW-114B	RESULTS MONTH/YEAR																					
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	-P	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .22	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50				< 0.50		< 0.50		
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .23	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16				< 0.20		< 0.20		
1,1-Dichloroethane	0000753	850	85			< .16	.85	.31	1.8	< .21	< .19	< 0.28	< 0.28		< 0.16				< 0.24		< 0.24		
1,1-Dichloroethene	0000753	7	0.7			< .15	.25	< .21	< .2	< .21	< .2	< 0.43	< 0.43		< 0.41				< 0.41		< 0.41		
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .27	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1				< 2.1		< 2.1		
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .32	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2				< 2.2		< 2.2		
1,2-cis-Dichloroethene	0001565	70	7			< .12	.56	< .2	< .21	.32	< .21	< 0.42	< 0.42		< 0.26				< 0.26		< 0.26		
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .16	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50				< 0.50		< 0.50		
1,2-Dichloroethane	0001070	5	0.5			< .22	< .16	< .16	.35	< .16	< .24	< 0.48	< 0.48		< 0.17				< 0.17		< 0.17		
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .22	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23				< 0.23		< 0.23		
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	< .26	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24				< 0.26		< 0.26		
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50				< 0.50		< 0.50		
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .18	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50				< 0.50		< 0.50		
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .2	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50				< 0.50		< 0.50		
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .2	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50				< 0.50		< 0.50		
Acetone	0000676	9000	1800			< 4	< 4.2	< 4.2	< 4.2	9	< 4.2	< 2.6	< 2.6		3.3				< 3.0		< 3.0		
Benzene	0000714	5	0.5			< .13	< .2	< .2	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50				< 0.50		< 0.50		
Chloroethane	0000750	400	80			< .67	< 1.5	< 1.5	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37				< 0.37		< 0.37		
Chloroform	0000676	6	0.6			.3	< .2	< .2	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5				< 2.5		< 2.5		
Chloromethane	0000748	30	3			< .28	< .23	< .23	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50				< 0.50		< 0.50		
Dichlorodifluoromethan	0000757	1000	200			< .13	< .29	< .29	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16				< 0.22		< 0.22		
Ethylbenzene	0001004	700	140			< .12	< .21	< .21	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50				< 0.50		< 0.50		
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .32	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17				< 0.18		< 0.18		
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .45	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1				< 2.1		< 2.1		
Isopropyl Alcohol	0000676	NSE	NSE			< 14	9.9	13	21	14	< 6.3	< 40.8	< 40.8		39.9				< 24.3		< 24.3		
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .25	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50				< 0.50		< 0.50		
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12				< 0.14		< 0.14		
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0				< 3.0		< 3.0		
Methyl Isobutyl Ketone	0001081	500	50			2.6	< .53	< .53	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1				< 2.1		< 2.1		
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .28	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17				< 0.17		< 0.17		
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .48	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23				< 0.23		< 0.23		
Naphthalene	0000912	100	10			< .31	< .41	< .41	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5				< 2.5		< 2.5		
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .18	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22				< 0.50		< 0.50		
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .19	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13				< 0.50		< 0.50		
Styrene	0001004	100	10			< .11	< .17	< .17	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15				< 0.50		< 0.50		
Tetrachloroethene	0001271	5	0.5			< .18	< .21	< .21	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50				< 0.50		< 0.50		
Toluene	0001088	800	160			< .16	.18	< .17	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50				< 0.50		< 0.50		
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .18	< .24	< .18	< .24	< .57	< .5		< .5				< 1		< 1		
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .24	< .22	< .24	< .22	< .5	< .5		< .5				< 1.5		< 1.5		
Trichloroethene	0000790	5	0.5			< .16	< .17	< .17	<u>.19</u>	.34	.32	< 0.43	< 0.36		< 0.33				< 0.33		< 0.33		
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	< .18	< .15	< .18	< .15	< 0.18	< 0.18		< 0.18				< 0.18		< 0.18		
Xylene - M & P	1796012	2000	400			< .22	< .33	< .33	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0				< 1.0		< 1.0		
Xylene - O	0000954	2000	400			< .16	< .24	< .24	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50				< 0.50		< 0.50		

393	MW-115	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40			< 11	< 17	< 11	< 10	< 17	< 21	< 11.1	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	0000790	5	0.5			< 11	< 18	< 11	< 13	< 18	< 25	< 9.7	< 1.9		< 1.6	< 1.6		< 2.0	< 2.0	< 2.0	< 2.0
1,1-Dichloroethane	0000753	850	85			870	1100	980	1200	67	26	20.1	<u>614</u>		1280	<u>763</u>		<u>658</u>	74.8	64.3	78.3
1,1-Dichloroethene	0000753	7	0.7			330	320	230	< 10	< 17	< 20	< 10.7	54.3		34.3	125		72.0	11.6	8.4	9.0
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< 14	< 22	< 14	< 13	< 22	< 26	< 19.2	< 3.8		< 21.3	< 21.3		< 21.3	< 21.3	< 21.3	< 21.3
1,2,4-Trichlorobenzene	0001208	70	14			< 16	< 25	< 16	< 14	< 25	< 28	< 62.5	< 12.5		< 22.1	< 22.1		< 22.1	< 22.1	< 22.1	< 22.1
1,2-cis-Dichloroethene	0001565	70	7			700	720	590	<u>19</u>	< 16	< 21	<u>11.9</u>	246		187	650		394	<u>40.9</u>	<u>21.9</u>	<u>35.5</u>
1,2-Dichlorobenzene	0000955	600	60			< 7.9	< 13	< 7.9	< 9.3	< 13	< 19	< 11.0	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	0001070	5	0.5			57	57	49	76	77	72	95.4	67.7		117	96.8		104	91.4	83.0	91.8
1,2-Dichloropropane	0000788	5	0.5			22	27	24	36	26	< 20	16.4	22.2		43.6	26.8		26.5	8.6	5.5	7.2
1,2-trans-Dichloroethene	0001566	100	20			250	170	<u>97</u>	150	170	110	122	108		170	132		184	237	220	227
1,4-Dichlorobenzene	0001064	75	15			< 11	< 18	< 11	< 11	< 18	< 22	< 10.9	< 2.2		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
124TRIMTHLBENZEN	0000956	480	96			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 14.3	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
135TRIMTHLBENZEN	0001086	480	96			< 9.8	< 16	< 9.8	< 13	< 16	< 25	< 62.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	0000954	NSE	NSE			< 10	< 16	< 10	< 13	< 16	< 26	< 11.9	< 2.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Acetone	0000676	9000	1800			< 210	< 330	380	< 210	< 330	< 420	67.1	20.5		36.5	41.2		< 29.5	< 29.5	< 29.5	< 29.5
Benzene	0000714	5	0.5			< 9.8	< 16	< 9.8	< 13	< 16	< 26	< 12.5	5.3		8.4	7.8		9.3	9.9	8.6	11.0
Chloroethane	0000750	400	80			< 76	< 120	< 76	< 100	1000	790	1270	404		<u>290</u>	572		692	1190	1100	1290
Chloroform	0000676	6	0.6			< 10	< 16	< 10	< 11	< 16	< 23	< 17.2	< 3.4		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0
Chloromethane	0000748	30	3			< 12	< 19	< 12	< 12	< 19	< 24	< 9.7	< 1.9		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethan	0000757	1000	200			< 14	< 23	< 14	< 9.5	< 23	< 19	< 10.0	< 2.0		< 1.6	< 2.0		< 2.2	< 2.2	< 2.2	< 2.2
Ethylbenzene	0001004	700	140			< 10	< 17	< 10	< 11	< 17	< 22	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Fluorotrichloromethane	0000756	3490	698			< 16	< 25	< 16	< 13	< 25	< 25	< 11.9	< 2.4		< 1.7	< 1.7		< 1.8	< 1.8	< 1.8	< 1.8
Hexachlorobutadiene	0000876	NSE	NSE			< 22	< 36	< 22	< 11	< 36	< 23	< 31.4	< 6.3		< 21.1	< 21.1		< 21.1	< 21.1	< 21.1	< 21.1
Isopropyl Alcohol	0000676	NSE	NSE			< 410	< 660	< 410	< 320	< 660	< 630	< 1020	< 204		< 243	< 243		< 243	< 243	< 243	< 243
Isopropyl ether	0001082	NSE	NSE			< 12	< 20	< 12	< 9.5	< 20	< 19	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	0000988	NSE	NSE			< 11	< 17	< 11	< 11	< 17	< 22	< 8.5	< 1.7		< 1.2	< 1.4		< 1.4	< 1.4	< 1.4	< 1.4
Methyl Ethyl Ketone	0000789	4000	800			110	110	180	99	< 80	< 100	< 67.5	< 13.5		< 29.8	< 29.8		< 29.8	< 29.8	< 29.8	< 29.8
Methyl Isobutyl Ketone	0001081	500	50			1800	1900	2700	2800	2900	2800	3960	802		1200	<u>220</u>		<u>144</u>	43.8	30.5	30.0
Methyl tert-butyl Ether	0016340	60	12			< 14	< 23	< 14	< 9.5	< 23	< 19	< 12.3	< 2.5		< 1.7	< 1.7		< 1.7	< 1.7	< 1.7	< 1.7
Methylene Chloride	0000750	5	0.5			< 24	< 38	< 24	< 20	< 38	< 40	< 9.0	<u>3.5</u>		<u>4.9</u>	5.8		<u>3.9</u>	< 2.3	<u>3.1</u>	<u>2.7</u>
Naphthalene	0000912	100	10			< 20	< 32	< 20	< 16	< 32	< 32	< 62.5	< 12.5		< 25.0	< 25.0		< 25.0	< 25.0	< 25.0	< 25.0
n-Butylbenzene	0001045	NSE	NSE			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 10	< 2.0		< 2.2	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	0000998	NSE	NSE			< 9.5	< 15	< 9.5	< 10	< 15	< 20	< 9.9	< 2.0		< 1.3	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Styrene	0001004	100	10			< 8.6	< 14	< 8.6	< 9.7	< 14	< 19	< 8.7	< 1.7		< 1.5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	0001271	5	0.5			< 10	< 16	< 10	< 7.3	< 16	< 15	< 11.8	< 2.4		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Toluene	0001088	800	160			81	72	45	71	85	71	68.8	68.1		103	79.6		105	109	101	98.9
Total TriMthBenzenes	TOTALT	480	96			< 9.1	< 14	< 9.1	< 12	< 14	< 24	< 14.3	< 2.5		< 5	< 10		< 10	< 10	< 10	< 10
Total Xylenes	TOTAL X	2000	400			< 12	< 19	< 12	< 11	< 19	< 22	< 12.5	< 2.5		< 10	< 15		< 15	< 15	< 15	< 15
Trichloroethene	0000790	5	0.5			< 8.4	< 13	< 8.4	< 12	16	< 25	< 10.7	< 1.8		< 3.3	< 3.3		< 3.3	< 3.3	< 3.3	< 3.3
Vinyl Chloride	0000750	0.2	0.02			120	170	130	33	< 15	< 15	< 4.6	71.8		42.4	163		91.3	37.5	32.1	48.6
Xylene - M & P	1796012	2000	400			< 17	< 27	< 17	< 23	< 27	< 46	< 20.4	< 4.1		< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0
Xylene - O	0000954	2000	400			< 12	< 19	< 12	< 11	< 19	< 22	< 12.5	< 2.5		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40			< 2.7	< 2.7	< 2.7	< 2.6	< 2.7	< 4.1	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
1,1,2-Trichloroethane	0000790	5	0.5			5.7	7.4	5.5	8.2	7.7	9.1	8.2	9.8		7.9	5.9		4.4	< 0.99	5.5	8.4
1,1-Dichloroethane	0000753	850	85			51	77	<u>86</u>	<u>92</u>	<u>110</u>	<u>110</u>	<u>166</u>	<u>110</u>		<u>88.4</u>	63.7		<u>80.7</u>	59.7	<u>132</u>	<u>207</u>
1,1-Dichloroethene	0000753	7	0.7			27	38	44	60	74	70	84.1	76.5		53.8	44.7		47.3	36.9	68.2	105
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< 3.4	< 3.4	< 3.4	< 3.3	< 3.4	< 5.2	< 3.8	< 3.1		< 10.7	< 5.3		< 10.7	< 10.7	< 10.7	< 10.7
1,2,4-Trichlorobenzene	0001208	70	14			< 4	< 4	< 4	< 3.5	< 4	< 5.6	< 12.5	< 10.0		< 11.0	< 5.5		< 11.0	< 11.0	< 11.0	< 11.0
1,2-cis-Dichloroethene	0001565	70	7			140	150	140	180	240	280	463	453		374	296		341	272	643	1060
1,2-Dichlorobenzene	0000955	600	60			< 2	< 2	< 2	< 2.3	< 2	< 3.7	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
1,2-Dichloroethane	0001070	5	0.5			< 2.1	< 2.1	< 2.1	< 3.1	<u>2.8</u>	< 4.9	<u>4.1</u>	<u>3.2</u>		<u>2.5</u>	<u>1.7</u>		< 0.84	< 0.84	<u>3.3</u>	6.2
1,2-Dichloropropane	0000788	5	0.5			< 2.7	< 2.7	< 2.7	<u>3.2</u>	<u>3.2</u>	< 3.9	<u>4.6</u>	<u>4.3</u>		<u>3.5</u>	<u>2.3</u>		< 1.2	< 1.2	<u>4.3</u>	6.9
1,2-trans-Dichloroethene	0001566	100	20			<u>40</u>	<u>46</u>	<u>42</u>	<u>38</u>	<u>39</u>	<u>33</u>	<u>34.2</u>	<u>26.8</u>		19.9	19.9		<u>26.2</u>	16.7	<u>24.0</u>	<u>22.2</u>
1,4-Dichlorobenzene	0001064	75	15			< 2.8	< 2.8	< 2.8	< 2.7	< 2.8	< 4.4	< 2.2	< 1.7		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
124TRIMTHLBENZEN	0000956	480	96			< 2.3	< 2.3	< 2.3	< 3	< 2.3	< 4.7	< 2.9	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
135TRIMTHLBENZEN	0001086	480	96			< 2.5	< 2.5	< 2.5	< 3.2	< 2.5	< 5.1	< 12.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
2-Chlorotoluene	0000954	NSE	NSE			< 2.5	< 2.5	< 2.5	< 3.2	< 2.5	< 5.1	< 2.4	< 1.9		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Acetone	0000676	9000	1800			< 52	< 52	< 52	< 52	< 52	< 83	< 12.9	< 10.4		< 14.8	< 7.4		< 14.8	< 14.8	< 14.8	< 14.8
Benzene	0000714	5	0.5			< 2.4	< 2.4	< 2.4	< 3.2	< 2.4	< 5.1	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Chloroethane	0000750	400	80			< 19	< 19	< 19	< 26	< 19	< 41	< 2.2	< 1.8		< 1.9	< 0.94		< 1.9	< 1.9	< 1.9	< 1.9
Chloroform	0000676	6	0.6			< 2.5	< 2.5	< 2.5	< 2.8	< 2.5	< 4.5	< 3.4	< 2.8		< 12.5	< 6.2		< 12.5	< 12.5	< 12.5	< 12.5
Chloromethane	0000748	30	3			< 2.9	< 2.9	< 2.9	< 3	< 2.9	< 4.8	< 1.9	< 1.6		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Dichlorodifluoromethan	0000757	1000	200			< 3.6	< 3.6	< 3.6	< 2.4	< 3.6	< 3.8	< 2.0	< 1.6		< 0.78	< 0.51		< 1.1	< 1.1	< 1.1	< 1.1
Ethylbenzene	0001004	700	140			< 2.6	< 2.6	< 2.6	< 2.7	< 2.6	< 4.3	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Fluorotrichloromethane	0000756	3490	698			< 4	< 4	< 4	< 3.2	< 4	< 5.1	< 2.4	< 1.9		< 0.86	< 0.43		< 0.92	< 0.92	< 0.92	< 0.92
Hexachlorobutadiene	0000876	NSE	NSE			< 5.6	< 5.6	< 5.6	< 2.8	< 5.6	< 4.5	< 6.3	< 5.0		< 10.5	< 5.3		< 10.5	< 10.5	< 10.5	< 10.5
Isopropyl Alcohol	0000676	NSE	NSE			110	< 100	< 100	< 79	< 100	< 130	< 204	< 163		< 122	< 60.9		< 122	< 122	< 122	< 122
Isopropyl ether	0001082	NSE	NSE			< 3.1	< 3.1	< 3.1	< 2.4	< 3.1	< 3.8	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Isopropylbenzene	0000988	NSE	NSE			< 2.7	< 2.7	< 2.7	< 2.8	< 2.7	< 4.4	< 1.7	< 1.4		< 0.58	< 0.36		< 0.72	< 0.72	< 0.72	< 0.72
Methyl Ethyl Ketone	0000789	4000	800			< 13	< 13	< 13	< 13	< 13	< 20	< 13.5	< 10.8		< 14.9	< 7.4		< 14.9	< 14.9	< 14.9	< 14.9
Methyl Isobutyl Ketone	0001081	500	50			< 6.6	< 6.6	< 6.6	< 3.9	< 6.6	< 6.3	< 11.7	< 9.4		< 10.7	< 5.4		< 10.7	< 10.7	< 10.7	< 10.7
Methyl tert-butyl Ether	0016340	60	12			< 3.5	< 3.5	< 3.5	< 2.4	< 3.5	< 3.8	< 2.5	< 2.0		< 0.87	< 0.44		< 0.87	< 0.87	< 0.87	< 0.87
Methylene Chloride	0000750	5	0.5			< 6	< 6	< 6	< 5	< 6	< 8	< 1.8	< 1.4		< 1.2	< 0.58		< 1.2	< 1.2	< 1.2	< 1.2
Naphthalene	0000912	100	10			< 5.1	< 5.1	< 5.1	< 4	< 5.1	< 6.4	< 12.5	< 10.0		< 12.5	< 6.2		< 12.5	< 12.5	< 12.5	< 12.5
n-Butylbenzene	0001045	NSE	NSE			< 2.3	< 2.3	< 2.3	< 3.1	< 2.3	< 4.9	< 2.0	< 1.6		< 1.1	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
p-Isopropyltoluene	0000998	NSE	NSE			< 2.4	< 2.4	< 2.4	< 2.5	< 2.4	< 4.1	< 2.0	< 1.6		< 0.63	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Styrene	0001004	100	10			< 2.1	< 2.1	< 2.1	< 2.4	< 2.1	< 3.9	< 1.7	< 1.4		< 0.77	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Tetrachloroethene	0001271	5	0.5			< 2.6	< 2.6	< 2.6	< 1.8	< 2.6	< 2.9	< 2.4	< 1.9		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Toluene	0001088	800	160			< 2.1	< 2.1	< 2.1	< 2.9	< 2.1	< 4.6	< 2.2	< 1.8		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5
Total TriMthBenzenes	TOTALT	480	96			< 2.3	< 2.3	< 2.3	< 3	< 2.3	< 4.7	< 12.5	< 2		< 2.5	< 2.4		< 5	< 5	< 5	< 5
Total Xylenes	TOTAL X	2000	400			< 3	< 3	< 3	< 2.8	< 3	< 4.5	< 2.5	< 2		< 2.5	< 3.7		< 7.5	< 7.5	< 7.5	< 7.5
Trichloroethene	0000790	5	0.5			25	27	25	30	39	60	99.6	176		201	192		218	119	95.8	103
Vinyl Chloride	0000750	0.2	0.02			3.9	4.2	4	4.3	6.1	4.6	5.7	5		5.8	2.4		3.4	3.0	4.9	5.5
Xylene - M & P	1796012	2000	400			< 4.2	< 4.2	< 4.2	< 5.7	< 4.2	< 9.1	< 4.1	< 3.3		< 5.0	< 2.5		< 5.0	< 5.0	< 5.0	< 5.0
Xylene - O	0000954	2000	400			< 3	< 3	< 3	< 2.8	< 3	< 4.5	< 2.5	< 2.0		< 2.5	< 1.2		< 2.5	< 2.5	< 2.5	< 2.5

399	MW-115B	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40			< .22	< .22	< .22	< .21	< .22	< .21	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0000790	5	0.5			< .23	< .23	< .23	< .25	< .23	< .25	< 0.39	< 0.39		< 0.16	< 0.16		< 0.20	< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85			.36	.39	.46	.32	.56	.43	0.57	0.31		0.37	1.6		0.86	0.39	0.57	0.26
1,1-Dichloroethene	0000753	7	0.7			< .21	< .21	< .21	< .2	.31	< .2	< 0.43	< 0.43		< 0.41	<u>0.84</u>		< 0.41	< 0.41	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .27	< .27	< .27	< .26	< .27	< .26	< 0.77	< 0.77		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14			< .32	< .32	< .32	< .28	< .32	< .28	< 2.5	< 2.5		< 2.2	< 2.2		< 2.2	< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7			.77	.78	.86	.63	1.2	.88	0.85	0.62		0.61	3.6		1.2	0.46	2.3	0.51
1,2-Dichlorobenzene	0000955	600	60			< .16	< .16	< .16	< .19	< .16	< .19	< 0.44	< 0.44		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5			< .16	< .16	< .16	< .24	< .16	< .24	< 0.48	< 0.48		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
1,2-Dichloropropane	0000788	5	0.5			< .22	< .22	< .22	< .2	< .22	< .2	< 0.50	< 0.50		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
1,2-trans-Dichloroethene	0001566	100	20			< .26	< .26	< .26	< .19	< .26	< .19	< 0.37	< 0.37		< 0.24	0.58		0.49	< 0.26	0.66	< 0.26
1,4-Dichlorobenzene	0001064	75	15			< .22	< .22	< .22	< .22	< .22	< .22	< 0.43	< 0.43		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96			< .18	< .18	< .18	< .24	< .18	< .24	< 0.57	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96			< .2	< .2	< .2	< .25	< .2	< .25	< 2.5	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE			< .2	< .2	< .2	< .26	< .2	< .26	< 0.48	< 0.48		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800			< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 2.6	< 2.6		< 3.0	< 3.0		13.3	< 3.0	< 3.0	< 3.0
Benzene	0000714	5	0.5			< .2	< .2	< .2	< .26	< .2	< .26	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	0000750	400	80			< 1.5	< 1.5	< 1.5	< 2.1	< 1.5	< 2.1	< 0.44	< 0.44		< 0.37	< 0.37		0.82	0.59	0.72	< 0.37
Chloroform	0000676	6	0.6			.58	< .2	< .2	< .23	< .2	< .23	< 0.69	< 0.69		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3			< .23	< .23	< .23	< .24	< .23	< .24	< 0.39	< 0.39		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200			< .29	< .29	< .29	< .19	< .29	< .19	< 0.40	< 0.40		< 0.16	< 0.20		< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140			< .21	< .21	< .21	< .22	< .21	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698			< .32	< .32	< .32	< .25	< .32	< .25	< 0.48	< 0.48		< 0.17	< 0.17		< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE			< .45	< .45	< .45	< .23	< .45	< .23	< 1.3	< 1.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE			< 8.3	< 8.3	< 8.3	18	12	< 6.3	< 40.8	< 40.8		< 24.3	< 24.3		229	< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE			< .25	< .25	< .25	< .19	< .25	< .19	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE			< .22	< .22	< .22	< .22	< .22	< .22	< 0.34	< 0.34		< 0.12	< 0.14		< 0.14	< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1	< 1	< 2.7	< 2.7		< 3.0	< 3.0		< 3.0	< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50			< .53	< .53	< .53	< .31	< .53	< .31	< 2.3	< 2.3		< 2.1	< 2.1		< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12			< .28	< .28	< .28	< .19	< .28	< .19	< 0.49	< 0.49		< 0.17	< 0.17		< 0.17	< 0.17	< 0.17	< 0.17
Methylene Chloride	0000750	5	0.5			< .48	< .48	< .48	< .4	< .48	< .4	< 0.36	< 0.36		< 0.23	< 0.23		< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	0000912	100	10			< .41	< .41	< .41	< .32	< .41	< .32	< 2.5	< 2.5		< 2.5	< 2.5		< 2.5	< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE			< .18	< .18	< .18	< .24	< .18	< .24	< 0.40	< 0.40		< 0.22	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE			< .19	< .19	< .19	< .2	< .19	< .2	< 0.40	< 0.40		< 0.13	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10			< .17	< .17	< .17	< .19	< .17	< .19	< 0.35	< 0.35		< 0.15	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5			< .21	< .21	< .21	< .15	< .21	< .15	< 0.47	< 0.47		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160			< .17	< .17	< .17	< .23	< .17	< .23	< 0.44	< 0.44		< 0.50	0.64		0.69	1.1	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .24	< .24	< .18	< .24	< .57	< .5		< .5	< 1		< 1	< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .22	< .22	< .24	< .22	< .5	< .5		< .5	< 1.5		< 1.5	< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5			<u>1.5</u>	<u>1.7</u>	<u>1.9</u>	<u>1.6</u>	<u>2.2</u>	<u>2.4</u>	<u>2.0</u>	<u>1.9</u>		<u>1.6</u>	<u>3.7</u>		<u>1.9</u>	<u>1.6</u>	<u>2.1</u>	<u>1.3</u>
Vinyl Chloride	0000750	0.2	0.02			< .18	< .18	< .18	< .15	< .18	< .15	< 0.18	< 0.18		< 0.18	< 0.18		< 0.18	< 0.18	< 0.18	< 0.18
Xylene - M & P	1796012	2000	400			< .22	< .33	< .46	< .46	< .33	< .46	< 0.82	< 0.82		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400			< .24	< .24	< .24	< .22	< .24	< .22	< 0.50	< 0.50		< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .21		< .21										< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .25		< .25										< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .19		< .19										< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .2		< .2										< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .26		< .26										< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .28		< .28										< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .21		< .21										< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .19		< .19										< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .24		< .24										< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .2		< .2										< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .19		< .19										< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22										< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .24		< .24										< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .25		< .25										< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .26		< .26										< 0.50	
Acetone	0000676	9000	1800	13		5.2		< 4.2		7.1										< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .26		< .26										< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 2.1		< 2.1										< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .23		< .23										< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .24		< .24										< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .19		< .19										< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .22		< .22										< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .25		< .25										< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .23		< .23										< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		7.4		13										< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .19		< .19										< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22										< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	.81		< 1		< 1		< 1										< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .31		< .31										< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .19		< .19										< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .4		< .4										< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .32		< .32										< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .24		< .24										< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .2		< .2										< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .19		< .19										< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .15		< .15										< 0.50	
Toluene	0001088	800	160	< .18		< .16		< .23		< .23										< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .24		< .24										< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .22		< .22										< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .25		< .25										< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .15		< .15										< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .46		< .46										< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .22		< .22										< 0.50	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40			< .2	< .22	< .22	< .22	< .21		< 0.44			< 0.50			< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5			< .17	< .23	< .23	< .23	< .25		< 0.39			< 0.16			< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85			< .16	< .21	< .21	< .21	< .19		< 0.28			< 0.16			< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7			< .15	< .21	< .21	< .21	< .2		< 0.43			< 0.41			< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE			< .23	< .27	< .27	< .27	< .26		< 0.77			< 2.1			< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14			< .3	< .32	< .32	< .32	< .28		< 2.5			< 2.2			< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7			< .12	< .2	< .2	< .2	< .21		< 0.42			< 0.26			< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60			< .13	< .16	< .16	< .16	< .19		< 0.44			< 0.50			< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5			< .22	< .16	< .16	< .16	< .24		< 0.48			< 0.17			< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5			< .21	< .22	< .22	< .22	< .2		< 0.50			< 0.23			< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20			< .13	< .26	< .26	< .26	< .19		< 0.37			< 0.24			< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15			< .13	< .22	< .22	< .22	< .22		< 0.43			< 0.50			< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96			< .12	< .18	< .18	< .18	< .24		< 0.57			< 0.50			< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96			< .12	< .2	< .2	< .2	< .25		< 2.5			< 0.50			< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE			< .15	< .2	< .2	< .2	< .26		< 0.48			< 0.50			< 0.50		< 0.50	
Acetone	0000676	9000	1800			4.3	< 4.2	< 4.2	5.9	< 4.2		< 2.6			3.1			< 3.0		< 3.0	
Benzene	0000714	5	0.5			< .13	< .2	< .2	< .2	< .26		< 0.50			< 0.50			< 0.50		< 0.50	
Chloroethane	0000750	400	80			< .67	< 1.5	< 1.5	< 1.5	< 2.1		< 0.44			< 0.37			< 0.37		< 0.37	
Chloroform	0000676	6	0.6			.25	< .2	< .2	< .2	< .23		< 0.69			< 2.5			< 2.5		< 2.5	
Chloromethane	0000748	30	3			< .28	< .23	< .23	< .23	< .24		< 0.39			< 0.50			< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200			< .13	< .29	< .29	< .29	< .19		< 0.40			< 0.16			< 0.22		< 0.22	
Ethylbenzene	0001004	700	140			< .12	< .21	< .21	< .21	< .22		< 0.50			< 0.50			< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698			< .11	< .32	< .32	< .32	< .25		< 0.48			< 0.17			< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE			< .36	< .45	< .45	< .45	< .23		< 1.3			< 2.1			< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE			< 14	< 8.3	9.5	30	12		< 40.8			36.0			< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE			< .2	< .25	< .25	< .25	< .19		< 0.50			< 0.50			< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE			< .1	< .22	< .22	< .22	< .22		< 0.34			< 0.12			< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800			< 1	< 1	< 1	< 1	< 1		< 2.7			< 3.0			< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50			< .64	< .53	< .53	< .53	< .31		< 2.3			< 2.1			< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12			< .13	< .28	< .28	< .28	< .19		< 0.49			< 0.17			< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5			< .27	< .48	< .48	< .48	< .4		< 0.36			< 0.23			< 0.23		< 0.23	
Naphthalene	0000912	100	10			< .31	< .41	< .41	< .41	< .32		< 2.5			< 2.5			< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE			< .14	< .18	< .18	< .18	< .24		< 0.40			< 0.22			< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE			< .11	< .19	< .19	< .19	< .2		< 0.40			< 0.13			< 0.50		< 0.50	
Styrene	0001004	100	10			< .11	< .17	< .17	< .17	< .19		< 0.35			< 0.15			< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5			< .18	< .21	< .21	< .21	< .15		< 0.47			< 0.50			< 0.50		< 0.50	
Toluene	0001088	800	160			< .16	< .17	< .17	< .17	< .23		< 0.44			< 0.50			< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96			< .12	< .18	< .18	< .18	< .24		< .57			< .5			< 1		< 1	
Total Xylenes	TOTAL X	2000	400			< .16	< .24	< .24	< .24	< .22		< .5			< .5			< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5			< .16	< .17	< .17	< .17	< .25		< 0.43			< 0.33			< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02			< .17	< .18	< .18	< .18	< .15		< 0.18			< 0.18			< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400			< .22	< .33	< .33	< .33	< .46		< 0.82			< 1.0			< 1.0		< 1.0	
Xylene - O	0000954	2000	400			< .16	< .24	< .24	< .24	< .22		< 0.50			< 0.50			< 0.50		< 0.50	

404	TW-1	RESULTS MONTH/YEAR																				
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16
		1,1,1-Trichloroethane	0000715	200	40						980	920	515	3810		<u>108</u>	455		<u>65.4</u>	21.9	23.8	8.3
		1,1,2-Trichloroethane	0000790	5	0.5						< 450	< 510	< 39.0	< 195		< 7.8	< 62.2		< 9.9	< 4.9	< 4.9	< 2.0
		1,1-Dichloroethane	0000753	850	85						<u>450</u>	<u>440</u>	<u>624</u>	<u>665</u>		<u>85.7</u>	<u>316</u>		<u>86.1</u>	54.9	62.4	<u>137</u>
		1,1-Dichloroethene	0000753	7	0.7						< 420	< 400	< 42.7	< 213		< 20.5	< 164		< 20.5	< 10.3	< 10.3	< 4.1
		1,2,3-Trichlorobenzene	0000876	NSE	NSE						< 540	< 520	< 76.8	< 384		< 107	< 853		< 107	< 53.3	< 53.3	< 21.3
		1,2,4-Trichlorobenzene	0001208	70	14						< 640	< 560	< 250	< 1250		< 110	< 884		< 110	< 55.2	< 55.2	< 22.1
		1,2-cis-Dichloroethene	0001565	70	7						6000	6600	8730	8690		543	2140		158	<u>39.7</u>	<u>42.4</u>	<u>14.5</u>
		1,2-Dichlorobenzene	0000955	600	60						< 320	< 370	< 43.9	< 219		39.0	< 200		34.8	26.7	21.9	18.5
		1,2-Dichloroethane	0001070	5	0.5						< 330	< 490	< 47.6	< 238		< 8.4	< 67.1		< 8.4	< 4.2	< 4.2	< 1.7
		1,2-Dichloropropane	0000788	5	0.5						< 430	< 390	< 49.8	< 249		< 11.7	< 93.2		< 11.7	< 5.8	< 5.8	< 2.3
		1,2-trans-Dichloroethene	0001566	100	20						< 520	< 390	< 37.1	< 186		< 11.9	< 103		< 12.8	< 6.4	< 6.4	< 2.6
		1,4-Dichlorobenzene	0001064	75	15						< 440	< 440	< 43.4	< 217		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		124TRIMTHLBENZEN	0000956	480	96						1000	1100	731	1050		848	648		1320	905	625	608
		135TRIMTHLBENZEN	0001086	480	96						< 390	< 510	< 250	<u>321</u>		<u>244</u>	< 200		<u>411</u>	<u>274</u>	<u>178</u>	<u>193</u>
		2-Chlorotoluene	0000954	NSE	NSE						< 400	< 510	< 47.7	< 238		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Acetone	0000676	9000	1800						< 8300	< 8300	< 259	< 1290		< 148	< 1180		< 148	< 73.8	268	29.8
		Benzene	0000714	5	0.5						< 390	< 510	< 50.0	< 250		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Chloroethane	0000750	400	80						< 3000	< 4100	< 44.4	< 222		< 18.7	< 150		< 18.7	< 9.4	< 9.4	72.6
		Chloroform	0000676	6	0.6						< 400	< 450	< 68.9	< 344		< 125	< 1000		< 125	< 62.5	< 62.5	< 25.0
		Chloromethane	0000748	30	3						< 470	< 480	< 38.8	< 194		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Dichlorodifluoromethan	0000757	1000	200						< 580	< 380	< 40.1	< 200		< 7.8	< 81.0		< 11.2	9.7	< 5.6	22.2
		Ethylbenzene	0001004	700	140						5300	6500	3550	6440		2820	4600		2990	1460	2030	860
		Fluorotrichloromethane	0000756	3490	698						< 630	< 510	< 47.7	< 238		< 8.6	< 69.0		< 9.2	< 4.6	< 4.6	< 1.8
		Hexachlorobutadiene	0000876	NSE	NSE						< 890	< 450	< 126	< 629		< 105	< 842		< 105	< 52.6	< 52.6	< 21.1
		Isopropyl Alcohol	0000676	NSE	NSE						< 1700	< 1300	< 4080	< 20400		< 1220	< 9740		< 1220	< 609	< 609	< 243
		Isopropyl ether	0001082	NSE	NSE						< 490	< 380	< 50.0	< 250		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Isopropylbenzene	0000988	NSE	NSE						< 430	< 440	69.2	< 170		76.6	71.2		110	85.4	68.9	51.4
		Methyl Ethyl Ketone	0000789	4000	800						< 2000	< 2000	< 270	< 1350		< 149	< 1190		< 149	< 74.5	81.4	< 29.8
		Methyl Isobutyl Ketone	0001081	500	50						< 1100	< 630	< 234	< 1170		< 107	< 856		< 107	< 53.5	< 53.5	< 21.4
		Methyl tert-butyl Ether	0016340	60	12						< 570	< 380	< 49.4	< 247		< 8.7	< 69.7		< 8.7	< 4.4	< 4.4	< 1.7
		Methylene Chloride	0000750	5	0.5						< 960	< 800	< 35.9	< 179		< 11.6	< 93.0		< 11.6	< 5.8	< 5.8	<u>4.0</u>
		Naphthalene	0000912	100	10						< 810	< 640	< 250	< 1250		< 125	< 1000		< 125	< 62.5	< 62.5	<u>67.3</u>
		n-Butylbenzene	0001045	NSE	NSE						< 360	< 490	< 40.0	< 200		38.4	< 200		< 25.0	27.2	< 12.5	< 5.0
		p-Isopropyltoluene	0000998	NSE	NSE						< 380	< 410	< 39.7	< 199		< 25.0	< 200		< 25.0	< 12.5	< 12.5	5.8
		Styrene	0001004	100	10						< 340	< 390	< 35.0	< 175		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Tetrachloroethene	0001271	5	0.5						< 410	< 290	< 47.2	< 236		< 25.0	< 200		< 25.0	< 12.5	< 12.5	< 5.0
		Toluene	0001088	800	160						25000	25000	17500	33300		4750	17200		3790	1660	1670	<u>656</u>
		Total TriMthBenzenes	TOTALT	480	96						1000	1100	< 250	< 250		< 25	648		1731	1179	803	801
		Total Xylenes	TOTAL X	2000	400						22600	26300	< 50	< 250		< 25	20920		13180	6250	8810	4290
		Trichloroethene	0000790	5	0.5						< 330	< 500	< 42.9	< 182		< 16.5	< 132		< 16.5	< 8.3	< 8.3	< 3.3
		Vinyl Chloride	0000750	0.2	0.02						< 370	< 300	97.0	217		66.9	165		73.8	37.1	31.1	14.3
		Xylene - M & P	1796012	2000	400						17000	20000	11200	19400		8440	16200		10000	4680	6680	3150
		Xylene - O	0000954	2000	400						5600	6300	3580	6420		2500	4720		3180	<u>1570</u>	2130	<u>1140</u>

500	RW-1	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				

503	RW-2	RESULTS MONTH/YEAR																						
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
		1,1,1-Trichloroethane	0000715	200	40																			1220
		1,1,2-Trichloroethane	0000790	5	0.5																			11.2
		1,1-Dichloroethane	0000753	850	85																			99.8
		1,1-Dichloroethene	0000753	7	0.7																			30.7
		1,2,3-Trichlorobenzene	0000876	NSE	NSE																			< 21.3
		1,2,4-Trichlorobenzene	0001208	70	14																			< 22.1
		1,2-cis-Dichloroethene	0001565	70	7																			954
		1,2-Dichlorobenzene	0000955	600	60																			< 5.0
		1,2-Dichloroethane	0001070	5	0.5																			5.8
		1,2-Dichloropropane	0000788	5	0.5																			8.9
		1,2-trans-Dichloroethene	0001566	100	20																			< 2.6
		1,4-Dichlorobenzene	0001064	75	15																			< 5.0
		124TRIMTHLBENZEN	0000956	480	96																			< 5.0
		135TRIMTHLBENZEN	0001086	480	96																			< 5.0
		2-Chlorotoluene	0000954	NSE	NSE																			< 5.0
		Acetone	0000676	9000	1800																			68.5
		Benzene	0000714	5	0.5																			< 5.0
		Chloroethane	0000750	400	80																			68.4
		Chloroform	0000676	6	0.6																			< 25.0
		Chloromethane	0000748	30	3																			< 5.0
		Dichlorodifluoromethan	0000757	1000	200																			< 2.2
		Ethylbenzene	0001004	700	140																			15.8
		Fluorotrichloromethane	0000756	3490	698																			< 1.8
		Hexachlorobutadiene	0000876	NSE	NSE																			< 21.1
		Isopropyl Alcohol	0000676	NSE	NSE																			< 243
		Isopropyl ether	0001082	NSE	NSE																			< 5.0
		Isopropylbenzene	0000988	NSE	NSE																			< 1.4
		Methyl Ethyl Ketone	0000789	4000	800																			< 29.8
		Methyl Isobutyl Ketone	0001081	500	50																			260
		Methyl tert-butyl Ether	0016340	60	12																			< 1.7
		Methylene Chloride	0000750	5	0.5																			12.0
		Naphthalene	0000912	100	10																			< 25.0
		n-Butylbenzene	0001045	NSE	NSE																			< 5.0
		p-Isopropyltoluene	0000998	NSE	NSE																			< 5.0
		Styrene	0001004	100	10																			< 5.0
		Tetrachloroethene	0001271	5	0.5																			41.9
		Toluene	0001088	800	160																			188
		Total TriMthBenzenes	TOTALT	480	96																			< 10
		Total Xylenes	TOTAL X	2000	400																			< 15
		Trichloroethene	0000790	5	0.5																			27.0
		Vinyl Chloride	0000750	0.2	0.02																			13.1
		Xylene - M & P	1796012	2000	400																			< 10.0
		Xylene - O	0000954	2000	400																			12.7

506	RW-3	RESULTS MONTH/YEAR																						
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40											< 886										
1,1,2-Trichloroethane	0000790	5	0.5											< 780										
1,1-Dichloroethane	0000753	850	85											< 570										
1,1-Dichloroethene	0000753	7	0.7											< 854										
1,2,3-Trichlorobenzene	0000876	NSE	NSE											< 1540										
1,2,4-Trichlorobenzene	0001208	70	14											< 5000										
1,2-cis-Dichloroethene	0001565	70	7											< 838										
1,2-Dichlorobenzene	0000955	600	60											< 877										
1,2-Dichloroethane	0001070	5	0.5											< 953										
1,2-Dichloropropane	0000788	5	0.5											< 996										
1,2-trans-Dichloroethene	0001566	100	20											< 743										
1,4-Dichlorobenzene	0001064	75	15											< 869										
124TRIMTHLBENZEN	0000956	480	96											< 1000										
135TRIMTHLBENZEN	0001086	480	96											< 1000										
2-Chlorotoluene	0000954	NSE	NSE											< 953										
Acetone	0000676	9000	1800											248000										
Benzene	0000714	5	0.5											< 1000										
Chloroethane	0000750	400	80											< 887										
Chloroform	0000676	6	0.6											< 1380										
Chloromethane	0000748	30	3											< 775										
Dichlorodifluoromethan	0000757	1000	200											< 802										
Ethylbenzene	0001004	700	140											< 1000										
Fluorotrichloromethane	0000756	3490	698											< 953										
Hexachlorobutadiene	0000876	NSE	NSE											< 2510										
Isopropyl Alcohol	0000676	NSE	NSE											135000										
Isopropyl ether	0001082	NSE	NSE											< 1000										
Isopropylbenzene	0000988	NSE	NSE											< 682										
Methyl Ethyl Ketone	0000789	4000	800											253000										
Methyl Isobutyl Ketone	0001081	500	50											< 4680										
Methyl tert-butyl Ether	0016340	60	12											< 987										
Methylene Chloride	0000750	5	0.5											< 717										
Naphthalene	0000912	100	10											< 5000										
n-Butylbenzene	0001045	NSE	NSE											< 799										
p-Isopropyltoluene	0000998	NSE	NSE											< 794										
Styrene	0001004	100	10											< 700										
Tetrachloroethene	0001271	5	0.5											< 944										
Toluene	0001088	800	160											23200										
Total TriMthBenzenes	TOTALT	480	96											< 1000										
Total Xylenes	TOTAL X	2000	400											< 1000										
Trichloroethene	0000790	5	0.5											< 728										
Vinyl Chloride	0000750	0.2	0.02											< 370										
Xylene - M & P	1796012	2000	400											< 1630										
Xylene - O	0000954	2000	400											< 1000										

509	RW-4	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																			2.3	
1,1,2-Trichloroethane	0000790	5	0.5																			< 0.79	
1,1-Dichloroethane	0000753	850	85																			2.0	
1,1-Dichloroethene	0000753	7	0.7																			< 1.6	
1,2,3-Trichlorobenzene	0000876	NSE	NSE																			< 8.5	
1,2,4-Trichlorobenzene	0001208	70	14																			< 8.8	
1,2-cis-Dichloroethene	0001565	70	7																			1.7	
1,2-Dichlorobenzene	0000955	600	60																			< 2.0	
1,2-Dichloroethane	0001070	5	0.5																			< 0.67	
1,2-Dichloropropane	0000788	5	0.5																			< 0.93	
1,2-trans-Dichloroethene	0001566	100	20																			< 1.0	
1,4-Dichlorobenzene	0001064	75	15																			< 2.0	
124TRIMTHLBENZEN	0000956	480	96																			< 2.0	
135TRIMTHLBENZEN	0001086	480	96																			< 2.0	
2-Chlorotoluene	0000954	NSE	NSE																			< 2.0	
Acetone	0000676	9000	1800																			161	
Benzene	0000714	5	0.5																			< 2.0	
Chloroethane	0000750	400	80																			2.5	
Chloroform	0000676	6	0.6																			< 10.0	
Chloromethane	0000748	30	3																			< 2.0	
Dichlorodifluoromethan	0000757	1000	200																			< 0.90	
Ethylbenzene	0001004	700	140																			< 2.0	
Fluorotrichloromethane	0000756	3490	698																			< 0.74	
Hexachlorobutadiene	0000876	NSE	NSE																			< 8.4	
Isopropyl Alcohol	0000676	NSE	NSE																			< 97.4	
Isopropyl ether	0001082	NSE	NSE																			< 2.0	
Isopropylbenzene	0000988	NSE	NSE																			< 0.57	
Methyl Ethyl Ketone	0000789	4000	800																			23.8	
Methyl Isobutyl Ketone	0001081	500	50																			< 8.6	
Methyl tert-butyl Ether	0016340	60	12																			< 0.70	
Methylene Chloride	0000750	5	0.5																			1.4	
Naphthalene	0000912	100	10																			< 10.0	
n-Butylbenzene	0001045	NSE	NSE																			< 2.0	
p-Isopropyltoluene	0000998	NSE	NSE																			< 2.0	
Styrene	0001004	100	10																			< 2.0	
Tetrachloroethene	0001271	5	0.5																			< 2.0	
Toluene	0001088	800	160																			< 2.0	
Total TriMthBenzenes	TOTALT	480	96																			< 4	
Total Xylenes	TOTAL X	2000	400																			< 6	
Trichloroethene	0000790	5	0.5																			< 1.3	
Vinyl Chloride	0000750	0.2	0.02																			< 0.70	
Xylene - M & P	1796012	2000	400																			< 4.0	
Xylene - O	0000954	2000	400																			< 2.0	

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< 220				< .22		< .21	< .21	< 0.44							< 0.50	< 0.50	0.62
1,1,2-Trichloroethane	0000790	5	0.5	< 230				< .23		< .25	< .25	< 0.39							< 0.20	< 0.20	< 0.20
1,1-Dichloroethane	0000753	850	85	< 210				.66		< .19	.32	39.3							< 0.24	<u>120</u>	<u>240</u>
1,1-Dichloroethene	0000753	7	0.7	< 210				< .21		< .2	< .2	< 0.43							< 0.41	< 0.41	< 0.41
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< 270				< .27		< .26	< .26	< 0.77							< 2.1	< 2.1	< 2.1
1,2,4-Trichlorobenzene	0001208	70	14	< 320				< .32		< .28	< .28	< 2.5							< 2.2	< 2.2	< 2.2
1,2-cis-Dichloroethene	0001565	70	7	< 200				< .2		< .21	< .21	2.2							< 0.26	<u>10.0</u>	73.1
1,2-Dichlorobenzene	0000955	600	60	< 160				< .16		< .19	< .19	1.4							< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0001070	5	0.5	< 160				< .16		< .24	< .24	< 0.48							< 0.17	<u>0.66</u>	<u>0.93</u>
1,2-Dichloropropane	0000788	5	0.5	< 220				< .22		< .2	< .2	< 0.50							< 0.23	0.30	0.39
1,2-trans-Dichloroethene	0001566	100	20	< 260				< .26		< .19	< .19	< 0.37							< 0.26	0.86	1.4
1,4-Dichlorobenzene	0001064	75	15	< 220				< .22		< .22	< .22	< 0.43							< 0.50	< 0.50	< 0.50
124TRIMTHLBENZEN	0000956	480	96	620				< .18		< .24	< .24	< 0.57							< 0.50	< 0.50	< 0.50
135TRIMTHLBENZEN	0001086	480	96	<u>240</u>				< .2		< .25	< .25	< 2.5							< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0000954	NSE	NSE	< 200				< .2		< .26	< .26	< 0.48							< 0.50	< 0.50	< 0.50
Acetone	0000676	9000	1800	< 4200				< 4.2		5.2	35	3.2							7.5	3.6	< 3.0
Benzene	0000714	5	0.5	< 200				< .2		< .26	< .26	< 0.50							< 0.50	< 0.50	<u>0.72</u>
Chloroethane	0000750	400	80	< 1500				< 1.5		< 2.1	< 2.1	< 0.44							< 0.37	3.1	12.9
Chloroform	0000676	6	0.6	< 200				< .2		< .23	< .23	< 0.69							< 2.5	< 2.5	< 2.5
Chloromethane	0000748	30	3	< 230				< .23		< .24	< .24	< 0.39							< 0.50	< 0.50	< 0.50
Dichlorodifluoromethan	0000757	1000	200	< 290				< .29		< .19	< .19	< 0.40							< 0.22	< 0.22	< 0.22
Ethylbenzene	0001004	700	140	5000				< .21		< .22	1.1	0.60							< 0.50	< 0.50	< 0.50
Fluorotrichloromethane	0000756	3490	698	< 320				< .32		< .25	< .25	< 0.48							< 0.18	< 0.18	< 0.18
Hexachlorobutadiene	0000876	NSE	NSE	< 450				< .45		< .23	< .23	< 1.3							< 2.1	< 2.1	< 2.1
Isopropyl Alcohol	0000676	NSE	NSE	< 8300				< 8.3		8.8	< 6.3	< 40.8							< 24.3	< 24.3	< 24.3
Isopropyl ether	0001082	NSE	NSE	< 250				< .25		.26	< .19	< 0.50							< 0.50	< 0.50	< 0.50
Isopropylbenzene	0000988	NSE	NSE	< 220				< .22		< .22	< .22	0.68							< 0.14	< 0.14	< 0.14
Methyl Ethyl Ketone	0000789	4000	800	< 1000				< 1		2	1.5	< 2.7							< 3.0	< 3.0	< 3.0
Methyl Isobutyl Ketone	0001081	500	50	< 530				< .53		< .31	< .31	< 2.3							< 2.1	< 2.1	< 2.1
Methyl tert-butyl Ether	0016340	60	12	< 280				< .28		1.3	1.3	1.5							< 0.17	0.78	0.66
Methylene Chloride	0000750	5	0.5	< 480				<u>1.9</u>		< .4	<u>.57</u>	< 0.36							<u>0.67</u>	<u>2.3</u>	<u>1.3</u>
Naphthalene	0000912	100	10	< 410				< .41		< .32	< .32	< 2.5							< 2.5	< 2.5	< 2.5
n-Butylbenzene	0001045	NSE	NSE	< 180				< .18		< .24	< .24	< 0.40							< 0.50	< 0.50	< 0.50
p-Isopropyltoluene	0000998	NSE	NSE	< 190				< .19		< .2	< .2	< 0.40							< 0.50	< 0.50	< 0.50
Styrene	0001004	100	10	< 170				< .17		< .19	< .19	< 0.35							< 0.50	< 0.50	< 0.50
Tetrachloroethene	0001271	5	0.5	< 210				< .21		< .15	< .15	< 0.47							< 0.50	< 0.50	< 0.50
Toluene	0001088	800	160	2700				< .17		< .23	< .23	0.57							< 0.50	< 0.50	< 0.50
Total TriMthBenzenes	TOTALT	480	96	860				< .18		< .24	< .24	< .57							< 1	< 1	< 1
Total Xylenes	TOTAL X	2000	400	21000				< .24		< .22	< .22	< .5							< 1.5	< 1.5	< 1.5
Trichloroethene	0000790	5	0.5	< 170				< .17		< .25	.26	<u>1.0</u>							< 0.33	< 0.33	<u>0.74</u>
Vinyl Chloride	0000750	0.2	0.02	< 180				< .18		< .15	< .15	4.2							< 0.18	6.2	29.3
Xylene - M & P	1796012	2000	400	17000				< .33		< .46	< .46	< 0.82							< 1.0	< 1.0	< 1.0
Xylene - O	0000954	2000	400	4000				< .24		< .22	< .22	0.80							< 0.50	< 0.50	< 0.50

515	RW-6	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40										< 44.3		< 50.0		< 210		< 50.0		
		1,1,2-Trichloroethane	0000790	5	0.5										< 39.0		< 15.5		< 190		< 19.7		
		1,1-Dichloroethane	0000753	850	85										47.4		<u>88</u>		<u>139</u>		< 200		54.6
		1,1-Dichloroethene	0000753	7	0.7										< 42.7		< 41.0		< 200		< 41.0		
		1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 76.8		< 213		< 150		< 213		
		1,2,4-Trichlorobenzene	0001208	70	14										< 250		< 221		< 160		< 221		
		1,2-cis-Dichloroethene	0001565	70	7										301		110		83.7		< 240		<u>39.3</u>
		1,2-Dichlorobenzene	0000955	600	60										< 43.9		< 50.0		< 140		< 50.0		
		1,2-Dichloroethane	0001070	5	0.5										< 47.6		< 16.8		< 260		< 16.8		
		1,2-Dichloropropane	0000788	5	0.5										< 49.8		< 23.3		< 170		< 23.3		
		1,2-trans-Dichloroethene	0001566	100	20										< 37.1		< 25.7		< 200		< 25.7		
		1,4-Dichlorobenzene	0001064	75	15										< 43.4		< 50.0		< 260		< 50.0		
		124TRIMTHLBENZEN	0000956	480	96										< 50.0		22		< 50.0		< 160		< 50.0
		135TRIMTHLBENZEN	0001086	480	96										< 50.0		10		< 50.0		< 210		< 50.0
		2-Chlorotoluene	0000954	NSE	NSE										< 47.7		< 50.0		< 220		< 50.0		
		Acetone	0000676	9000	1800										543		<u>2200</u>		<u>6660</u>		< 3300		<u>3740</u>
		Benzene	0000714	5	0.5										< 50.0		33		< 50.0		< 240		< 50.0
		Chloroethane	0000750	400	80										<u>296</u>		<u>190</u>		<u>264</u>		< 200		<u>273</u>
		Chloroform	0000676	6	0.6										< 68.9		< 250		< 200		< 250		
		Chloromethane	0000748	30	3										< 38.8		< 50.0		< 170		< 50.0		
		Dichlorodifluoromethan	0000757	1000	200										< 40.1		< 20.3		< 220		< 22.4		
		Ethylbenzene	0001004	700	140										1080		<u>400</u>		<u>401</u>		850		978
		Fluorotrichloromethane	0000756	3490	698										< 47.7		< 17.2		< 230		< 18.5		
		Hexachlorobutadiene	0000876	NSE	NSE										< 126		< 211		< 190		< 211		
		Isopropyl Alcohol	0000676	NSE	NSE										< 4080		2100		3240		<4700		3910
		Isopropyl ether	0001082	NSE	NSE										< 50.0		13		< 50.0		< 190		< 50.0
		Isopropylbenzene	0000988	NSE	NSE										< 34.1		< 14.3		< 190		< 14.3		
		Methyl Ethyl Ketone	0000789	4000	800										< 270		310		735		< 800		533
		Methyl Isobutyl Ketone	0001081	500	50										1110		1100		1230		570		1030
		Methyl tert-butyl Ether	0016340	60	12										< 49.4		< 17.4		< 230		< 17.4		
		Methylene Chloride	0000750	5	0.5										51.5		< 23.3		< 200		< 23.3		
		Naphthalene	0000912	100	10										< 250		< 250		< 270		< 250		
		n-Butylbenzene	0001045	NSE	NSE										< 40.0		< 50.0		< 160		< 50.0		
		p-Isopropyltoluene	0000998	NSE	NSE										< 39.7		< 50.0		< 170		< 50.0		
		Styrene	0001004	100	10										< 35.0		< 50.0		< 150		< 50.0		
		Tetrachloroethene	0001271	5	0.5										< 47.2		< 50.0		< 170		< 50.0		
		Toluene	0001088	800	160										11500		9200		11000		7500		11100
		Total TriMthBenzenes	TOTALT	480	96										< 50		32		< 100		<560		< 100
		Total Xylenes	TOTAL X	2000	400										< 50		2630		2311		<u>1950</u>		3097
		Trichloroethene	0000790	5	0.5										< 36.4		< 33.1		< 240		< 33.1		
		Vinyl Chloride	0000750	0.2	0.02										151		110		87.6		< 120		43.3
		Xylene - M & P	1796012	2000	400										2310		2000		<u>1830</u>		<u>1600</u>		2450
		Xylene - O	0000954	2000	400										<u>607</u>		<u>630</u>		<u>481</u>		350		<u>647</u>

DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40										< 2.2		< 2.5			< 2		< 2.5	
1,1,2-Trichloroethane	0000790	5	0.5										< 1.9		< 0.78			< 2		< 0.99	
1,1-Dichloroethane	0000753	850	85										<u>90.2</u>		<u>140</u>	<u>91.4</u>		50		39.9	
1,1-Dichloroethene	0000753	7	0.7										<u>6.8</u>		34	11.9		< 1.5		< 2.1	
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 3.8		< 10.7			< 2.3		< 10.7	
1,2,4-Trichlorobenzene	0001208	70	14										< 12.5		< 11.0			< 2.4		< 11.0	
1,2-cis-Dichloroethene	0001565	70	7										391		1100	471		93		<u>7.9</u>	
1,2-Dichlorobenzene	0000955	600	60										< 2.2		< 2.5			< 1.6		< 2.5	
1,2-Dichloroethane	0001070	5	0.5										<u>3.4</u>		<u>2.9</u>			< 2		< 0.84	
1,2-Dichloropropane	0000788	5	0.5										<u>3.3</u>		<u>3.1</u>			< 2.9		< 1.2	
1,2-trans-Dichloroethene	0001566	100	20										8.3		9.7			2.9		2.3	
1,4-Dichlorobenzene	0001064	75	15										< 2.2		< 2.5			< 2		< 2.5	
124TRIMTHLBENZEN	0000956	480	96										2.6		2.5			4.8		3.5	
135TRIMTHLBENZEN	0001086	480	96										< 2.5		< 2.5			< 2.1		< 2.5	
2-Chlorotoluene	0000954	NSE	NSE										< 2.4		< 2.5			< 2		< 2.5	
Acetone	0000676	9000	1800										< 12.9		< 14.8			< 42		< 14.8	
Benzene	0000714	5	0.5										10.2		12.5			8.1		10.8	
Chloroethane	0000750	400	80										<u>164</u>		<u>180</u>	<u>223</u>		<u>110</u>		73.4	
Chloroform	0000676	6	0.6										< 3.4		< 12.5			< 1.4		< 12.5	
Chloromethane	0000748	30	3										< 1.9		< 2.5			< 1.4		< 2.5	
Dichlorodifluoromethan	0000757	1000	200										< 2.0		< 1.0			4.6		< 1.1	
Ethylbenzene	0001004	700	140										<u>149</u>		110			61		<u>262</u>	
Fluorotrichloromethane	0000756	3490	698										< 2.4		< 0.86			< 1.9		< 0.92	
Hexachlorobutadiene	0000876	NSE	NSE										< 6.3		< 10.5			< 1.9		< 10.5	
Isopropyl Alcohol	0000676	NSE	NSE										< 204		< 122			< 84		< 122	
Isopropyl ether	0001082	NSE	NSE										5.1		5.7			5.3		3.6	
Isopropylbenzene	0000988	NSE	NSE										< 1.7		< 0.72			< 1.9		1.6	
Methyl Ethyl Ketone	0000789	4000	800										< 13.5		< 14.9			< 10		< 14.9	
Methyl Isobutyl Ketone	0001081	500	50										< 11.7		< 10.7			< 4.2		< 10.7	
Methyl tert-butyl Ether	0016340	60	12										< 2.5		< 0.87			< 1.8		< 0.87	
Methylene Chloride	0000750	5	0.5										<u>4.0</u>		< 1.2			< 1.8		< 1.2	
Naphthalene	0000912	100	10										< 12.5		< 12.5			< 2.7		< 12.5	
n-Butylbenzene	0001045	NSE	NSE										< 2.0		< 2.5			< 2.8		< 2.5	
p-Isopropyltoluene	0000998	NSE	NSE										< 2.0		< 2.5			< 1.9		< 2.5	
Styrene	0001004	100	10										< 1.7		< 2.5			< 1.5		< 2.5	
Tetrachloroethene	0001271	5	0.5										< 2.4		< 2.5			< 2.2		< 2.5	
Toluene	0001088	800	160										<u>506</u>		<u>270</u>	<u>322</u>		< 2.2		65.7	
Total TriMthBenzenes	TOTALT	480	96										< 2.5		< 5			4.8		< 5	
Total Xylenes	TOTAL X	2000	400										< 2.5		<u>600</u>	<u>566</u>		322		<u>433.3</u>	
Trichloroethene	0000790	5	0.5										<u>2.7</u>		<u>3.1</u>			<u>2.9</u>		<u>3.2</u>	
Vinyl Chloride	0000750	0.2	0.02										49.6		110	66.8		26		8.3	
Xylene - M & P	1796012	2000	400										<u>427</u>		<u>470</u>	<u>444</u>		240		348	
Xylene - O	0000954	2000	400										130		130	122		82		85.3	

521	RW-8	RESULTS MONTH/YEAR																						
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16	
1,1,1-Trichloroethane	0000715	200	40																				< 12.5	
1,1,2-Trichloroethane	0000790	5	0.5																				< 4.9	
1,1-Dichloroethane	0000753	850	85																				< 6.0	
1,1-Dichloroethene	0000753	7	0.7																				< 10.3	
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				< 53.3	
1,2,4-Trichlorobenzene	0001208	70	14																				< 55.2	
1,2-cis-Dichloroethene	0001565	70	7																				< 6.4	
1,2-Dichlorobenzene	0000955	600	60																				< 12.5	
1,2-Dichloroethane	0001070	5	0.5																				< 4.2	
1,2-Dichloropropane	0000788	5	0.5																				< 5.8	
1,2-trans-Dichloroethene	0001566	100	20																				< 6.4	
1,4-Dichlorobenzene	0001064	75	15																				< 12.5	
124TRIMTHLBENZEN	0000956	480	96																				< 12.5	
135TRIMTHLBENZEN	0001086	480	96																				< 12.5	
2-Chlorotoluene	0000954	NSE	NSE																				< 12.5	
Acetone	0000676	9000	1800																				<u>3340</u>	
Benzene	0000714	5	0.5																				< 12.5	
Chloroethane	0000750	400	80																				< 9.4	
Chloroform	0000676	6	0.6																				< 62.5	
Chloromethane	0000748	30	3																				< 12.5	
Dichlorodifluoromethan	0000757	1000	200																				< 5.6	
Ethylbenzene	0001004	700	140																				< 12.5	
Fluorotrichloromethane	0000756	3490	698																				< 4.6	
Hexachlorobutadiene	0000876	NSE	NSE																				< 52.6	
Isopropyl Alcohol	0000676	NSE	NSE																				< 609	
Isopropyl ether	0001082	NSE	NSE																				< 12.5	
Isopropylbenzene	0000988	NSE	NSE																				< 3.6	
Methyl Ethyl Ketone	0000789	4000	800																				<u>1340</u>	
Methyl Isobutyl Ketone	0001081	500	50																				< 53.5	
Methyl tert-butyl Ether	0016340	60	12																				< 4.4	
Methylene Chloride	0000750	5	0.5																				< 5.8	
Naphthalene	0000912	100	10																				< 62.5	
n-Butylbenzene	0001045	NSE	NSE																				< 12.5	
p-Isopropyltoluene	0000998	NSE	NSE																				< 12.5	
Styrene	0001004	100	10																				< 12.5	
Tetrachloroethene	0001271	5	0.5																				< 12.5	
Toluene	0001088	800	160																				< 12.5	
Total TriMthBenzenes	TOTALT	480	96																				< 25	
Total Xylenes	TOTAL X	2000	400																				< 37.5	
Trichloroethene	0000790	5	0.5																				< 8.3	
Vinyl Chloride	0000750	0.2	0.02																				< 4.4	
Xylene - M & P	1796012	2000	400																				< 25.0	
Xylene - O	0000954	2000	400																				< 12.5	

524	RW-9	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40										7							2.0	
1,1,2-Trichloroethane	0000790	5	0.5										< 0.39							< 0.20	
1,1-Dichloroethane	0000753	850	85										3.5							0.36	
1,1-Dichloroethene	0000753	7	0.7										< 0.43							< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE										< 0.77							< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14										< 2.5							< 2.2	
1,2-cis-Dichloroethene	0001565	70	7										<u>12.5</u>							0.36	
1,2-Dichlorobenzene	0000955	600	60										< 0.44							< 0.50	
1,2-Dichloroethane	0001070	5	0.5										< 0.48							< 0.17	
1,2-Dichloropropane	0000788	5	0.5										< 0.50							< 0.23	
1,2-trans-Dichloroethene	0001566	100	20										< 0.37							< 0.26	
1,4-Dichlorobenzene	0001064	75	15										< 0.43							< 0.50	
124TRIMTHLBENZEN	0000956	480	96										0.58							< 0.50	
135TRIMTHLBENZEN	0001086	480	96										< 0.50							< 0.50	
2-Chlorotoluene	0000954	NSE	NSE										< 0.48							< 0.50	
Acetone	0000676	9000	1800										< 2.6							< 3.0	
Benzene	0000714	5	0.5										< 0.50							< 0.50	
Chloroethane	0000750	400	80										2							< 0.37	
Chloroform	0000676	6	0.6										< 0.69							< 2.5	
Chloromethane	0000748	30	3										< 0.39							< 0.50	
Dichlorodifluoromethan	0000757	1000	200										< 0.40							< 0.22	
Ethylbenzene	0001004	700	140										5.1							< 0.50	
Fluorotrichloromethane	0000756	3490	698										< 0.48							< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE										< 1.3							< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE										< 40.8							< 24.3	
Isopropyl ether	0001082	NSE	NSE										< 0.50							< 0.50	
Isopropylbenzene	0000988	NSE	NSE										< 0.34							< 0.14	
Methyl Ethyl Ketone	0000789	4000	800										< 2.7							< 3.0	
Methyl Isobutyl Ketone	0001081	500	50										< 2.3							< 2.1	
Methyl tert-butyl Ether	0016340	60	12										0.58							< 0.17	
Methylene Chloride	0000750	5	0.5										<u>0.51</u>							<u>1.1</u>	
Naphthalene	0000912	100	10										< 2.5							< 2.5	
n-Butylbenzene	0001045	NSE	NSE										< 0.40							< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE										< 0.40							< 0.50	
Styrene	0001004	100	10										< 0.35							< 0.50	
Tetrachloroethene	0001271	5	0.5										<u>0.77</u>							< 0.50	
Toluene	0001088	800	160										8.4							< 0.50	
Total TriMthBenzenes	TOTALT	480	96										< .5							< 1	
Total Xylenes	TOTAL X	2000	400										< .5							< 1.5	
Trichloroethene	0000790	5	0.5										< 0.36							<u>1.3</u>	
Vinyl Chloride	0000750	0.2	0.02										<u>1.1</u>							< 0.18	
Xylene - M & P	1796012	2000	400										12.6							< 1.0	
Xylene - O	0000954	2000	400										6.1							< 0.50	

527	RW-10	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40														1420		1190	831	
1,1,2-Trichloroethane	0000790	5	0.5														17.6		< 123	< 98.7	
1,1-Dichloroethane	0000753	850	85														26.9		< 151	< 121	
1,1-Dichloroethene	0000753	7	0.7														< 20.5		< 256	< 205	
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 107		< 1330	< 1070	
1,2,4-Trichlorobenzene	0001208	70	14														< 110		< 1380	< 1100	
1,2-cis-Dichloroethene	0001565	70	7														272		< 160	276	
1,2-Dichlorobenzene	0000955	600	60														< 25.0		< 312	< 250	
1,2-Dichloroethane	0001070	5	0.5														< 8.4		< 105	< 84.0	
1,2-Dichloropropane	0000788	5	0.5														< 11.7		< 146	< 117	
1,2-trans-Dichloroethene	0001566	100	20														< 12.8		< 160	< 128	
1,4-Dichlorobenzene	0001064	75	15														< 25.0		< 312	< 250	
124TRIMTHLBENZEN	0000956	480	96														< 25.0		< 312	< 250	
135TRIMTHLBENZEN	0001086	480	96														< 25.0		< 312	< 250	
2-Chlorotoluene	0000954	NSE	NSE														< 25.0		< 312	< 250	
Acetone	0000676	9000	1800														6860		71200	64900	
Benzene	0000714	5	0.5														< 25.0		< 312	< 250	
Chloroethane	0000750	400	80														< 18.7		< 234	< 187	
Chloroform	0000676	6	0.6														< 125		< 1560	< 1250	
Chloromethane	0000748	30	3														< 25.0		< 312	< 250	
Dichlorodifluoromethan	0000757	1000	200														< 10.1		< 140	< 112	
Ethylbenzene	0001004	700	140														658		625	571	
Fluorotrichloromethane	0000756	3490	698														< 8.6		< 116	< 92.5	
Hexachlorobutadiene	0000876	NSE	NSE														< 105		< 1320	< 1050	
Isopropyl Alcohol	0000676	NSE	NSE														5680		19500	24500	
Isopropyl ether	0001082	NSE	NSE														< 25.0		< 312	< 250	
Isopropylbenzene	0000988	NSE	NSE														< 7.2		< 89.6	< 71.7	
Methyl Ethyl Ketone	0000789	4000	800														8600		46800	78400	
Methyl Isobutyl Ketone	0001081	500	50														< 107		1490	1550	
Methyl tert-butyl Ether	0016340	60	12														< 8.7		< 109	< 87.1	
Methylene Chloride	0000750	5	0.5														< 11.6		398	463	
Naphthalene	0000912	100	10														< 125		< 1560	< 1250	
n-Butylbenzene	0001045	NSE	NSE														< 25.0		< 312	< 250	
p-Isopropyltoluene	0000998	NSE	NSE														< 25.0		< 312	< 250	
Styrene	0001004	100	10														49.6		< 312	< 250	
Tetrachloroethene	0001271	5	0.5														179		< 312	< 250	
Toluene	0001088	800	160														11900		16500	14000	
Total TriMthBenzenes	TOTALT	480	96														< 50		< 624	< 500	
Total Xylenes	TOTAL X	2000	400														2735		2372	2563	
Trichloroethene	0000790	5	0.5														847		809	589	
Vinyl Chloride	0000750	0.2	0.02														< 8.8		< 110	< 87.8	
Xylene - M & P	1796012	2000	400														2160		1910	2050	
Xylene - O	0000954	2000	400														575		462	513	

530	RW-11	RESULTS MONTH/YEAR																			
DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40														362	420		612	
1,1,2-Trichloroethane	0000790	5	0.5														< 15.5	< 19.7		< 9.9	
1,1-Dichloroethane	0000753	850	85														<u>189</u>	<u>158</u>		<u>266</u>	
1,1-Dichloroethene	0000753	7	0.7														< 41.0	< 41.0		< 20.5	
1,2,3-Trichlorobenzene	0000876	NSE	NSE														< 213	< 213		< 107	
1,2,4-Trichlorobenzene	0001208	70	14														< 221	< 221		< 110	
1,2-cis-Dichloroethene	0001565	70	7														1830	1930		2060	
1,2-Dichlorobenzene	0000955	600	60														<u>74.0</u>	< 50.0		< 25.0	
1,2-Dichloroethane	0001070	5	0.5														< 16.8	< 16.8		< 8.4	
1,2-Dichloropropane	0000788	5	0.5														< 23.3	< 23.3		13.3	
1,2-trans-Dichloroethene	0001566	100	20														< 25.7	< 25.7		< 12.8	
1,4-Dichlorobenzene	0001064	75	15														< 50.0	< 50.0		< 25.0	
124TRIMTHLBENZEN	0000956	480	96														551	<u>269</u>		<u>229</u>	
135TRIMTHLBENZEN	0001086	480	96														<u>150</u>	<u>110</u>		90.8	
2-Chlorotoluene	0000954	NSE	NSE														< 50.0	< 50.0		< 25.0	
Acetone	0000676	9000	1800														< 295	< 295		<u>2030</u>	
Benzene	0000714	5	0.5														< 50.0	< 50.0		< 25.0	
Chloroethane	0000750	400	80														< 37.5	< 37.5		< 18.7	
Chloroform	0000676	6	0.6														< 250	< 250		< 125	
Chloromethane	0000748	30	3														< 50.0	< 50.0		< 25.0	
Dichlorodifluoromethan	0000757	1000	200														< 20.3	< 22.4		< 11.2	
Ethylbenzene	0001004	700	140														4240	1670		<u>368</u>	
Fluorotrichloromethane	0000756	3490	698														< 17.2	< 18.5		< 9.2	
Hexachlorobutadiene	0000876	NSE	NSE														< 211	< 211		< 105	
Isopropyl Alcohol	0000676	NSE	NSE														< 2430	< 2430		1390	
Isopropyl ether	0001082	NSE	NSE														< 50.0	< 50.0		< 25.0	
Isopropylbenzene	0000988	NSE	NSE														47.6	22.1		< 7.2	
Methyl Ethyl Ketone	0000789	4000	800														< 298	< 298		<u>1880</u>	
Methyl Isobutyl Ketone	0001081	500	50														< 214	< 214		< 107	
Methyl tert-butyl Ether	0016340	60	12														< 17.4	< 17.4		< 8.7	
Methylene Chloride	0000750	5	0.5														< 23.3	< 23.3		< 11.6	
Naphthalene	0000912	100	10														< 250	< 250		< 125	
n-Butylbenzene	0001045	NSE	NSE														< 50.0	< 50.0		< 25.0	
p-Isopropyltoluene	0000998	NSE	NSE														< 50.0	< 50.0		< 25.0	
Styrene	0001004	100	10														< 50.0	< 50.0		< 25.0	
Tetrachloroethene	0001271	5	0.5														62.9	77.8		< 25.0	
Toluene	0001088	800	160														16300	8250		6820	
Total TriMthBenzenes	TOTALT	480	96														701	<u>379</u>		<u>319.8</u>	
Total Xylenes	TOTAL X	2000	400														18870	8100		7050	
Trichloroethene	0000790	5	0.5														< 33.1	85.3		< 16.5	
Vinyl Chloride	0000750	0.2	0.02														< 17.6	67.1		64.0	
Xylene - M & P	1796012	2000	400														14100	5830		5210	
Xylene - O	0000954	2000	400														4770	2270		<u>1840</u>	

610	S2N	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
		1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44						< 0.50		< 0.50	
		1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39						< 0.20		< 0.20	
		1,1-Dichloroethane	0000753	850	85	11		11		.84		1.6		< 0.28						6.3		6.5	
		1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		.26		.42		< 0.43						< 0.41		< 0.41	
		1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77						< 2.1		< 2.1	
		1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5						< 2.2		< 2.2	
		1,2-cis-Dichloroethene	0001565	70	7	1.2		1.2		.23		1.9		< 0.42						1.0		0.86	
		1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44						< 0.50		< 0.50	
		1,2-Dichloroethane	0001070	5	0.5	<u>.62</u>		<u>.76</u>		< .16		< .24		< 0.48						<u>1.4</u>		<u>2.0</u>	
		1,2-Dichloropropane	0000788	5	0.5	.36		.34		< .22		< .2		< 0.50						< 0.23		0.26	
		1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37						< 0.26		< 0.26	
		1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43						< 0.50		< 0.50	
		124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57						< 0.50		< 0.50	
		135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5						< 0.50		< 0.50	
		2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48						< 0.50		< 0.50	
		Acetone	0000676	9000	1800	4.3		< 4.2		< 4.2		5.8		< 2.6						3.6		3.3	
		Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50						0.50		<u>0.54</u>	
		Chloroethane	0000750	400	80	2.2		< 1.5		< 1.5		< 2.1		< 0.44						10.6		11.7	
		Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69						< 2.5		< 2.5	
		Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39						< 0.50		< 0.50	
		Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40						< 0.22		< 0.22	
		Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50						< 0.50		< 0.50	
		Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48						< 0.18		< 0.18	
		Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3						< 2.1		< 2.1	
		Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 8.3		< 8.3		< 6.3		< 40.8						< 24.3		< 24.3	
		Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50						< 0.50		0.57	
		Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34						< 0.14		< 0.14	
		Methyl Ethyl Ketone	0000789	4000	800	< .5		1.1		< 1		< 1		< 2.7						< 3.0		< 3.0	
		Methyl Isobutyl Ketone	0001081	500	50	5.6		2.4		< .53		< .31		< 2.3						< 2.1		< 2.1	
		Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49						< 0.17		< 0.17	
		Methylene Chloride	0000750	5	0.5	.24		< .48		< .48		< .4		< 0.36						0.28		0.25	
		Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5						< 2.5		< 2.5	
		n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40						< 0.50		< 0.50	
		p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40						< 0.50		< 0.50	
		Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35						< 0.50		< 0.50	
		Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47						< 0.50		< 0.50	
		Toluene	0001088	800	160	.43		.24		< .17		< .23		< 0.44						1.4		1.2	
		Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57						< 1		< 1	
		Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5						< 1.5		< 1.5	
		Trichloroethene	0000790	5	0.5	.42		<u>.67</u>		< .17		< .25		< 0.43						< 0.33		< 0.33	
		Vinyl Chloride	0000750	0.2	0.02	.7		.83		< .18		.2		< 0.18						0.41		0.49	
		Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82						< 1.0		< 1.0	
		Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50						< 0.50		< 0.50	

612	S6N,S7N	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .22		< .22		< .21		< 0.44								< 0.50			
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .23		< .23		< .25		< 0.39								< 0.20			
1,1-Dichloroethane	0000753	850	85	< .17		< .21		< .21		< .19		< 0.28								< 0.24			
1,1-Dichloroethene	0000753	7	0.7	< .22		< .21		< .21		< .2		< 0.43								< 0.41			
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .27		< .27		< .26		< 0.77								< 2.1			
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .32		< .32		< .28		< 2.5								< 2.2			
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .2		< .2		< .21		< 0.42								< 0.26			
1,2-Dichlorobenzene	0000955	600	60	< .16		< .16		< .16		< .19		< 0.44								< 0.50			
1,2-Dichloroethane	0001070	5	0.5	< .15		< .16		< .16		< .24		< 0.48								< 0.17			
1,2-Dichloropropane	0000788	5	0.5	< .33		< .22		< .22		< .2		< 0.50								< 0.23			
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .26		< .26		< .19		< 0.37								< 0.26			
1,4-Dichlorobenzene	0001064	75	15	< .3		< .22		< .22		< .22		< 0.43								< 0.50			
124TRIMTHLBENZEN	0000956	480	96	< .19		< .18		< .18		< .24		< 0.57								< 0.50			
135TRIMTHLBENZEN	0001086	480	96	< .19		< .2		< .2		< .25		< 2.5								< 0.50			
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .2		< .2		< .26		< 0.48								< 0.50			
Acetone	0000676	9000	1800	< 4		< 4.2		4.3		7.1		2.8								< 3.0			
Benzene	0000714	5	0.5	< .24		< .2		< .2		< .26		< 0.50								< 0.50			
Chloroethane	0000750	400	80	< 1.1		< 1.5		< 1.5		< 2.1		< 0.44								< 0.37			
Chloroform	0000676	6	0.6	< .13		< .2		< .2		< .23		< 0.69								< 2.5			
Chloromethane	0000748	30	3	< .23		< .23		< .23		< .24		< 0.39								< 0.50			
Dichlorodifluoromethan	0000757	1000	200	< .25		< .29		< .29		< .19		< 0.40								< 0.22			
Ethylbenzene	0001004	700	140	< .15		< .21		< .21		< .22		< 0.50								< 0.50			
Fluorotrichloromethane	0000756	3490	698	< .21		< .32		< .32		< .25		< 0.48								< 0.18			
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .45		< .45		< .23		< 1.3								< 2.1			
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 8.3		< 8.3		15		< 40.8								< 24.3			
Isopropyl ether	0001082	NSE	NSE	< .16		< .25		< .25		< .19		< 0.50								< 0.50			
Isopropylbenzene	0000988	NSE	NSE	< .18		< .22		< .22		< .22		< 0.34								< 0.14			
Methyl Ethyl Ketone	0000789	4000	800	.93		< 1		< 1		< 1		< 2.7								< 3.0			
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .53		< .53		< .31		< 2.3								< 2.1			
Methyl tert-butyl Ether	0016340	60	12	< .19		< .28		< .28		< .19		< 0.49								< 0.17			
Methylene Chloride	0000750	5	0.5	< .22		< .48		< .48		< .4		< 0.36								< 0.23			
Naphthalene	0000912	100	10	< .32		< .41		< .41		< .32		< 2.5								< 2.5			
n-Butylbenzene	0001045	NSE	NSE	< .23		< .18		< .18		< .24		< 0.40								< 0.50			
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .19		< .19		< .2		< 0.40								< 0.50			
Styrene	0001004	100	10	< .2		< .17		< .17		< .19		< 0.35								< 0.50			
Tetrachloroethene	0001271	5	0.5	< .12		< .21		< .21		< .15		< 0.47								< 0.50			
Toluene	0001088	800	160	< .18		< .17		< .17		< .23		< 0.44								< 0.50			
Total TriMthBenzenes	TOTALT	480	96	< .19		< .18		< .18		< .24		< .57								< 1			
Total Xylenes	TOTAL X	2000	400	< .17		< .24		< .24		< .22		< .5								< 1.5			
Trichloroethene	0000790	5	0.5	< .37		< .17		< .17		< .25		< 0.43								< 0.33			
Vinyl Chloride	0000750	0.2	0.02	< .17		< .18		< .18		< .15		< 0.18								< 0.18			
Xylene - M & P	1796012	2000	400	< .28		< .33		< .33		< .46		< 0.82								< 1.0			
Xylene - O	0000954	2000	400	< .17		< .24		< .24		< .22		< 0.50								< 0.50			

614	S8N	RESULTS MONTH/YEAR																				
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21									< 0.50		< 0.50	
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25									< 0.20		< 0.20	
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19									< 0.24		< 0.24	
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2									< 0.41		< 0.41	
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26									< 2.1		< 2.1	
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28									< 2.2		< 2.2	
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21									< 0.26		< 0.26	
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19									< 0.50		< 0.50	
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24									< 0.17		< 0.17	
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2									< 0.23		< 0.23	
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19									< 0.26		< 0.26	
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22									< 0.50		< 0.50	
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24									< 0.50		< 0.50	
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25									< 0.50		< 0.50	
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26									< 0.50		< 0.50	
Acetone	0000676	9000	1800	< 4		9.9		6.4		8									3.9		< 3.0	
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26									< 0.50		< 0.50	
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1									< 0.37		< 0.37	
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23									< 2.5		< 2.5	
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24									< 0.50		< 0.50	
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19									< 0.22		< 0.22	
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22									< 0.50		< 0.50	
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25									< 0.18		< 0.18	
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23									< 2.1		< 2.1	
Isopropyl Alcohol	0000676	NSE	NSE	14		< 14		< 8.3		16									< 24.3		< 24.3	
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19									< 0.50		< 0.50	
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22									< 0.14		< 0.14	
Methyl Ethyl Ketone	0000789	4000	800	1.1		1		< 1		< 1									< 3.0		< 3.0	
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31									< 2.1		< 2.1	
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19									< 0.17		< 0.17	
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .48		< .4									< 0.23		< 0.23	
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32									< 2.5		< 2.5	
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24									< 0.50		< 0.50	
p-Isopropyltoluene	0000998	NSE	NSE	< .16		4.5		7.2		1									0.68		< 0.50	
Styrene	0001004	100	10	< .2		< .11		< .17		< .19									< 0.50		< 0.50	
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15									< 0.50		< 0.50	
Toluene	0001088	800	160	< .18		.26		1.5		.55									< 0.50		< 0.50	
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24									< 1		< 1	
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22									< 1.5		< 1.5	
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		< .25									< 0.33		< 0.33	
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15									< 0.18		< 0.18	
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46									< 1.0		< 1.0	
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22									< 0.50		< 0.50	

616	S9N	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40	< .13		< .2		< .22		< .21		< 0.44											
1,1,2-Trichloroethane	0000790	5	0.5	< .21		< .17		< .23		< .25		< 0.39											
1,1-Dichloroethane	0000753	850	85	< .17		< .16		< .21		< .19		< 0.28											
1,1-Dichloroethene	0000753	7	0.7	< .22		< .15		< .21		< .2		< 0.43											
1,2,3-Trichlorobenzene	0000876	NSE	NSE	< .3		< .23		< .27		< .26		< 0.77											
1,2,4-Trichlorobenzene	0001208	70	14	< .22		< .3		< .32		< .28		< 2.5											
1,2-cis-Dichloroethene	0001565	70	7	< .16		< .12		< .2		< .21		< 0.42											
1,2-Dichlorobenzene	0000955	600	60	< .16		< .13		< .16		< .19		< 0.44											
1,2-Dichloroethane	0001070	5	0.5	< .15		< .22		< .16		< .24		< 0.48											
1,2-Dichloropropane	0000788	5	0.5	< .33		< .21		< .22		< .2		< 0.50											
1,2-trans-Dichloroethene	0001566	100	20	< .21		< .13		< .26		< .19		< 0.37											
1,4-Dichlorobenzene	0001064	75	15	< .3		< .13		< .22		< .22		< 0.43											
124TRIMTHLBENZEN	0000956	480	96	< .19		< .12		< .18		< .24		< 0.57											
135TRIMTHLBENZEN	0001086	480	96	< .19		< .12		< .2		< .25		< 2.5											
2-Chlorotoluene	0000954	NSE	NSE	< .19		< .15		< .2		< .26		< 0.48											
Acetone	0000676	9000	1800	< 4		12		< 4.2		6.3		7.9											
Benzene	0000714	5	0.5	< .24		< .13		< .2		< .26		< 0.50											
Chloroethane	0000750	400	80	< 1.1		< .67		< 1.5		< 2.1		< 0.44											
Chloroform	0000676	6	0.6	< .13		< .13		< .2		< .23		< 0.69											
Chloromethane	0000748	30	3	< .23		< .28		< .23		< .24		0.41											
Dichlorodifluoromethan	0000757	1000	200	< .25		< .13		< .29		< .19		< 0.40											
Ethylbenzene	0001004	700	140	< .15		< .12		< .21		< .22		< 0.50											
Fluorotrichloromethane	0000756	3490	698	< .21		< .11		< .32		< .25		< 0.48											
Hexachlorobutadiene	0000876	NSE	NSE	< .25		< .36		< .45		< .23		< 1.3											
Isopropyl Alcohol	0000676	NSE	NSE	< 10		< 14		< 8.3		< 6.3		< 40.8											
Isopropyl ether	0001082	NSE	NSE	< .16		< .2		< .25		< .19		< 0.50											
Isopropylbenzene	0000988	NSE	NSE	< .18		< .1		< .22		< .22		< 0.34											
Methyl Ethyl Ketone	0000789	4000	800	< .5		1.1		< 1		< 1		< 2.7											
Methyl Isobutyl Ketone	0001081	500	50	< .37		< .64		< .53		< .31		< 2.3											
Methyl tert-butyl Ether	0016340	60	12	< .19		< .13		< .28		< .19		< 0.49											
Methylene Chloride	0000750	5	0.5	< .22		< .27		< .48		< .4		< 0.36											
Naphthalene	0000912	100	10	< .32		< .31		< .41		< .32		< 2.5											
n-Butylbenzene	0001045	NSE	NSE	< .23		< .14		< .18		< .24		< 0.40											
p-Isopropyltoluene	0000998	NSE	NSE	< .16		< .11		< .19		< .2		< 0.40											
Styrene	0001004	100	10	< .2		< .11		< .17		< .19		< 0.35											
Tetrachloroethene	0001271	5	0.5	< .12		< .18		< .21		< .15		< 0.47											
Toluene	0001088	800	160	< .18		.32		< .17		< .23		< 0.44											
Total TriMthBenzenes	TOTALT	480	96	< .19		< .12		< .18		< .24		< .57											
Total Xylenes	TOTAL X	2000	400	< .17		< .16		< .24		< .22		< .5											
Trichloroethene	0000790	5	0.5	< .37		< .16		< .17		< .25		< 0.43											
Vinyl Chloride	0000750	0.2	0.02	< .17		< .17		< .18		< .15		< 0.18											
Xylene - M & P	1796012	2000	400	< .28		< .22		< .33		< .46		< 0.82											
Xylene - O	0000954	2000	400	< .17		< .16		< .24		< .22		< 0.50											

618	S10N	RESULTS MONTH/YEAR																					
		DESCRIPTION	CASNU	ES	PAL	05/09	10/09	05/10	10/10	05/11	10/11	05/12	10/12	06/13	10/13	10/13 Dup	05/14	10/14	12/14	06/15	11/15	05/16	10/16
1,1,1-Trichloroethane	0000715	200	40																				
1,1,2-Trichloroethane	0000790	5	0.5																				
1,1-Dichloroethane	0000753	850	85																				
1,1-Dichloroethene	0000753	7	0.7																				
1,2,3-Trichlorobenzene	0000876	NSE	NSE																				
1,2,4-Trichlorobenzene	0001208	70	14																				
1,2-cis-Dichloroethene	0001565	70	7																				
1,2-Dichlorobenzene	0000955	600	60																				
1,2-Dichloroethane	0001070	5	0.5																				
1,2-Dichloropropane	0000788	5	0.5																				
1,2-trans-Dichloroethene	0001566	100	20																				
1,4-Dichlorobenzene	0001064	75	15																				
124TRIMTHLBENZEN	0000956	480	96																				
135TRIMTHLBENZEN	0001086	480	96																				
2-Chlorotoluene	0000954	NSE	NSE																				
Acetone	0000676	9000	1800																				
Benzene	0000714	5	0.5																				
Chloroethane	0000750	400	80																				
Chloroform	0000676	6	0.6																				
Chloromethane	0000748	30	3																				
Dichlorodifluoromethan	0000757	1000	200																				
Ethylbenzene	0001004	700	140																				
Fluorotrichloromethane	0000756	3490	698																				
Hexachlorobutadiene	0000876	NSE	NSE																				
Isopropyl Alcohol	0000676	NSE	NSE																				
Isopropyl ether	0001082	NSE	NSE																				
Isopropylbenzene	0000988	NSE	NSE																				
Methyl Ethyl Ketone	0000789	4000	800																				
Methyl Isobutyl Ketone	0001081	500	50																				
Methyl tert-butyl Ether	0016340	60	12																				
Methylene Chloride	0000750	5	0.5																				
Naphthalene	0000912	100	10																				
n-Butylbenzene	0001045	NSE	NSE																				
p-Isopropyltoluene	0000998	NSE	NSE																				
Styrene	0001004	100	10																				
Tetrachloroethene	0001271	5	0.5																				
Toluene	0001088	800	160																				
Total TriMthBenzenes	TOTALT	480	96																				
Total Xylenes	TOTAL X	2000	400																				
Trichloroethene	0000790	5	0.5																				
Vinyl Chloride	0000750	0.2	0.02																				
Xylene - M & P	1796012	2000	400																				
Xylene - O	0000954	2000	400																				