2003028

REPORT

Source Area 4 Groundwater Management Zone 2015 and 2016 Report

Southeast Rockford Groundwater Contamination Superfund Site

Rockford, Illinois

Illinois Environmental Protection Agency

April 2017

CDM Smith

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Section 1

Introduction

CDM Smith Inc. (CDM Smith), has prepared this Groundwater Management Zone (GMZ) 2015-2016 Report for the Illinois Environmental Protection Agency (Illinois EPA) to document the controls, management, and quality of the groundwater within the GMZ at Source Area 4. Source Area 4 is part of the Southeast Rockford Groundwater Contamination Superfund Site, located in Rockford, Winnebago County, Illinois (**Figure 1**).

CDM Smith, under contract to Illinois EPA, completed the Remedial Design (RD)/ Remedial Action (RA) for the leachate component of Area 4 in accordance with the Operable Unit 3 (OU3) Record of Decision (ROD). The establishment of the GMZ for Area 4 was a requirement of the ROD. The GMZ application prepared by CDM Smith and dated December 4, 2009 was approved by Illinois EPA on December 16, 2010. The GMZ boundaries and monitoring well network are shown on **Figure 2**.

The GMZ sampling network currently includes 8 monitoring wells and 3 groundwater extraction wells for a total of 11 monitoring points. The original GMZ sampling network included only seven monitoring wells; however, monitoring well MW-403A was added to the network at the request of the U.S. Environmental Protection Agency (U.S. EPA) to confirm that contaminated groundwater was not bypassing the leachate control system on the south end. In addition, the network previously included a multi-port that was abandoned in August 2016 as discussed in Section 1.1.

The leachate control system described in Section 1.1 began operation immediately after the baseline sampling event on December 2009 and was followed by quarterly groundwater monitoring for two years. In 2012, the quarterly monitoring was adjusted to semiannual because the treatment system achieved a relatively steady state condition after two years. This report includes information from the one sampling event conducted during 2015 and the two semiannual sampling events conducted during 2016, and discusses long-term changes since the baseline sampling in 2009. The report also summarizes the methods and procedures used during the monitoring events, presents the data for the groundwater elevation measurements, and analytical results for both 2015 and 2016.

1.1 Leachate Control System Summary

From August through December 2009, the leachate control system components were installed and tested. The system treats groundwater contaminated with chlorinated volatile organic compounds (VOC) including 1,1,1-trichloroethane (TCA), 1,1-dichloroethene (1,1-DCE), trichloroethene (TCE), and tetrachloroethene (PCE). The system began operation in December 2009 and was declared operational and functional on October 6, 2010. Construction of the system is described in *Interim Leachate Component Remedial Action Completion Report, Source Area 4, Southeast Rockford Groundwater Contamination Superfund Site*, dated February 2011.

Leachate is extracted at a rate of approximately 60 gallons per minute (gpm) through a series of three extraction wells (EW001, EW002, and EW003), submersible pumps, piping and controls. The treatment train consists of an oil-water separator, air stripper, bag filters, and separate carbon units for the liquid and vapor effluent streams. The liquid effluent is discharged on-site to a storm water ditch and the vapor effluent is discharged to the air. Effluent is monitored monthly for VOCs to confirm the leachate is treated to acceptable levels. No exceedances have been observed from the effluent discharge.

After the system had been in operation for a few weeks after start-up, it became apparent that iron-related bacteria (IRB) were degrading system performance. This decrease in system performance was caused by iron fouling of EW003, which extracts the most contaminated groundwater, and iron fouling of the lead liquid phase carbon vessel. In order to control the formation of iron slime in the system, an anti-scalent and microbicide are injected into extraction well EW003 during warmer months (approximately March to November) and year round into the influent process line as it enters the treatment unit. When the chemicals are not injected into EW003 during the winter, iron slime forms on the extraction well pump resulting in a gradual pumping rate loss of about 1 gallon per week. Subsequently, the pump in EW003 needs to be removed and cleaned about once per year. Problems with IRB in extraction well EW002 are less severe, but the pump does require cleaning every several years. The extraction well screens and piping between the extraction wells and treatment system also require occasional cleaning.

The current operating configuration of the system is slightly different from the design. For the past several years, extraction well EW001 has been turned off because it extracts the least contaminated groundwater. This allows extraction well EW003, which extracts the most contaminated groundwater, to pump at a higher flow rate. Generally, the only time extraction well EW001 operates is when extraction wells EW002 or EW003 are down for maintenance. In addition, the vapor phase carbon unit has been by-passed for about five years because the total VOC contaminant mass entering the system is well below the permit equivalency-required discharge limit of 8 pounds per hour. Bodine Environment Services operates and maintains the system under contract to Illinois EPA.

In accordance with the Explanation of Significant Differences submitted on July 27, 2012, installation of an Electrical Resistance Heating (ERH) system began in July 2016 as the selected soil remedial action for the site. The ERH system was designed as a dual extraction system, being able to extract contaminated soil vapor/steam and groundwater from the subsurface via multi-phase extraction wells as well as being able to simultaneously act as an electrode to heat the subsurface. The vapor was treated on site and discharged to the atmosphere whereas the extracted groundwater and condensate was sent to be treated at the leachate control system. The ERH system began operating in October 2016 and operated until March 2017. During ERH operation, all three extraction wells operated at various times depending on operational conditions related to the ERH system.

In August 2016, the multi-level well (MLW01) was abandoned during ERH system installation. MLW01 was abandoned because of its location inside of the thermal treatment zone and would ultimately have been damaged once the ERH system began operating. The multi-level well was abandoned by grouting from the bottom of the well to the top of the casing. After the well was

grouted, the sub-contractor over-drilled the well to approximately 10 feet below ground surface. Once the well was over-drilled, concrete was poured into the vault up to existing ground surface.

Section 2

Field Activities

The GMZ monitoring was conducted in accordance with the GMZ application and the Source Area 4 GMZ Monitoring Sampling and Analysis Plan (SAP) prepared by CDM Smith. **Table 2** provides a summary of the 2015 and 2016 semiannual sampling dates and wells sampled for each event. Wells that were not sampled include the following:

- During 2015, there was not a second semiannual sampling event because CDM Smith's contract with Illinois EPA had expired.
- During the 2015 and first 2016 semiannual sampling events, EW001 was not sampled because it was turned off to maintain a higher flow rate for EW003.
- During the second 2016 semiannual sampling event, EW002 was not sampled because it was turned off for maintenance
- During the first semiannual 2016 sampling event, EW003 was not sampled because it was turned off for maintenance
- Well MLW01E, the top port for the multi-port well, was not sampled during the 2015 and 2016 semiannual sampling events because it did not produce any water. Although this sampling port has been problematic in the past, it is not scheduled for repair because the multi-port well will be abandoned when the soil remedy is put into place.
- Multi-port well MLW01 was not sampled during the second 2016 semiannual event in October 2016 because it had been abandoned.

Because the overall leachate control system is currently in steady state conditions, these missing data points do not impact the ability to evaluate and monitor its effectiveness. All other sampling and analysis was performed in accordance with the SAP and approved GMZ application.

2.1 Groundwater Elevations

Groundwater elevation data was collected manually from all wells on the first day of each sampling event prior to any sampling activities. For the standard monitoring wells, an electronic water level indicator was used and decontaminated before and after each use. The multi-level well has vibrating wire piezometers installed for each port. A pressure and temperature reading was taken for each port and then those numbers were used to calculate the depth to water. Depth to water and groundwater elevation data are provided in **Table 3**.

Potentiometric surface maps were prepared from the groundwater elevation data collected during the baseline study and the semiannual sampling events for both 2015 and 2016. Groundwater elevation data from only the five shallow, water table wells were used to construct the potentiometric surface maps. This includes MW-22A, MW-32, MW-130A, MW401A, and MW-

403A. MLW01E was not measured because of its planned abandonment prior to the soil remedial action taking place onsite.

2.2 Sample Methods

The extraction wells were sampled from the tap on the waterlines that run to the treatment system and each multi-level well port was sampled using the integrated low-flow bladder pump installed as part of the well assembly. The remaining monitoring wells were each purged using a submersible pump and pump controller capable of operating at low-flow purging rates. All wells were purged and sampled in accordance with the SAP. Except for the extraction wells, all wells were purged and sampled using low-flow methodology.

For all wells sampled except the extraction wells and the multi-port well, field measurements of pH, temperature, specific conductance, dissolved oxygen (DO), turbidity, and oxidation-reduction potential (ORP) were monitored to identify the point stabilization was observed during purging. Parameter readings were recorded at five-minute intervals and purging continued until field parameters were observed to be within stable range (as provided below) for three consecutive readings.

- pH, ±0.25 standard units
- dissolved oxygen, ±10 percent
- specific conductance, ±50 umhos/cm
- turbidity, less than 5 NTUs or ±10 percent
- temperature, ±5o C
- ORP potential, ±10 mV

For the multi-port well, turbidity readings were not collected because the turbidity in each port typically has a starting value of less than 5 NTUs. In addition, flow rate is not monitored because the greatest flow rate ever observed from any port is 250 milliliters per minute.

Final readings taken prior to sampling are provided in **Table 4** and original data sheets listing all readings recorded during purging are provided in **Appendix A**.

Quality control samples collected for each of the semiannual sampling events included one field duplicate per 10 or fewer investigative samples, one field blank per 10 or fewer investigative samples collected using non-dedicated equipment, one trip blank for each cooler shipped containing aqueous samples for VOC analysis, and one MS/MSD per 20 or fewer samples.

Field instruments were calibrated daily to the appropriate standards in accordance with the SAP. New or dedicated sample tubing was used for each discrete sampling location. The groundwater sample was collected directly from the pump discharge tubing into pre-preserved sample containers provided by a local laboratory.

2.3 Analytical methods

Groundwater samples were analyzed through the U.S. EPA Contract Laboratory Program (CLP) for trace or low/medium volatile organics under SOM02.3 and SOM02.4 (second 2016 semiannual event only). Analytical results were subsequently validated by U.S. EPA Region 5's Environmental Services Assistance Team ESAT contractor. The Level 4 Validation included a review of holding times; instrument tuning and performance; internal standards; initial and continuing calibration; surrogate recoveries; lab, field, and trip blanks; field duplicates; MS/MSD; lab control samples; and compound identification, quantification, and reported detection limits.

Section 3

Results

This section presents the results of the one sampling event for 2015 and the two semiannual sampling events for 2016. The GMZ monitoring wells within, as well as upgradient and downgradient of the GMZ boundaries are used to determine the effectiveness of the extraction wells for containing the groundwater contamination. The samples were collected as specified in the SAP. The monitoring well sample concentrations were compared to the baseline results and the remediation goals established in the ROD.

3.1 Hydraulic Results

Groundwater elevation measurements were collected for the one GMZ monitoring event in 2015 and the two semiannual GMZ monitoring events in 2016. **Table 3** presents the dates of data collection and the water elevations measured for the baseline, 2015, and 2016 events. Potentiometric surface maps are presented for the baseline event in **Figure 3**, the one 2015 semiannual event in **Figure 4**, and the two 2016 semiannual events in **Figures 5 and 6**. Hydraulic gradients are estimated across the site using elevation data from MW32 as the upgradient location and MW401A as the downgradient location. Under either non-pumping or pumping conditions, the hydraulic gradient is relatively flat and the gradient difference between non-pumping and pumping conditions is minimal. The hydraulic gradient observed during the baseline event was 0.002565 feet per foot (ft/ft).

During 2015, groundwater elevations were measured in May. For this event, the groundwater flow direction continued to the northwest with slight variations in flow direction in the downgradient portion of the network that is likely the result of contouring irregularities caused by a paucity of monitoring well locations (**Figure 4**).

The gradient calculated from the 2015 GMZ monitoring event groundwater elevations is 0.001206 ft/ft. This gradient is slightly less than what was observed during previous sampling events.

During 2016, groundwater elevations were measured in April and October. For both semiannual events, the groundwater flow direction continued to the northwest with slight variations in flow direction in the downgradient portion of the network that is likely the result of contouring irregularities caused by a paucity of monitoring locations (**Figures 5 and 6**).

The gradient calculated from the first semiannual 2016 GMZ monitoring event groundwater elevations is 0.001239 ft/ft. This gradient is similar to that observed during the 2015 GMZ monitoring event and slightly less than what was observed during the baseline event. The gradient calculated from the second semiannual 2016 GMZ monitoring event groundwater elevations is 0.001446 ft/ft. These gradients are both slightly less than historical gradients for the same time periods.

3.2 Laboratory Analytical Results

The laboratory analytical results were compared to the remediation goals (RG) from the OU3 ROD, Groundwater Quality Standards for Class I: Potable Resource Groundwater from 35 IAC 620.410, or the Illinois EPA Tiered Approach to Correction Action Objectives (TACO) Class I Groundwater Remediation Objective (GRO) from 35 IAC 742. For convenience, all are referred to as RGs. However, the TACO GROs that are not also Class I standards are not applicable or relevant and appropriate requirements listed in the ROD for the site, but are federal and state non-promulgated criteria, advisories, and guidance that are requirements to be considered (TBC).

Table 5 provides a summary of the VOCs that were detected in at least one sample collected during the baseline or 2015 and 2016 semiannual groundwater sampling events. Complete analytical results are provided in **Appendix B**. **Table 6** provides a comprehensive list of VOCs that have been detected in each well since the baseline sampling event. In this table, the VOCs listed were detected at least once in any well since the baseline sampling event.

The GMZ monitoring investigative samples and associated QC samples were analyzed through the U.S. EPA CLP and validated by U.S. EPA Region 5's ESAT contractor. Overall, the validation determined that the data are useable with qualifications. The groundwater sample collected from EW003 in the second semiannual groundwater sampling event in 2016 exceeded the calibration range for the initial run and required a second run at a dilution. The impacted results are qualified with a "D" indicating that the value reported is from the diluted sample run.

3.2.1 1st Semiannual 2015 VOCs Exceeding RGs

During the first semiannual sampling event in May 2015, all the GMZ wells were sampled except for EW001 and MLW01E. EW001 was not operating to maintain the flow rate in EW003 and MLW01E would not pump. Bromodichloromethane was detected over the RG of 0.2 ug/l in the samples collected from EW002 and background well MW-32, and carbon tetrachloride was detected above the RG in the sample collected from EW003 (**Table 5**).

3.2.2 1st Semiannual 2016 VOCs Exceeding RGs

During the first semiannual sampling event in April 2016, all the GMZ wells were sampled except for EW001, EW003, and MLW01E. Bromodichloromethane was detected above the RG in the sample and field duplicate collected from MW032 (**Table 5**).

3.2.3 2nd Semiannual 2016 VOCs Exceeding RGs

All GMZ wells were also sampled during the second semiannual event in October 2016 except for EW001, EW002, MLW01A, MLW01B, MLW01C, MLW01D, and MLW01E. TCA was detected above the RG in the sample collected from EW003 and bromodichloromethane was detected above the RG in the sample and field duplicate collected from MW032 (**Table 5**).

Section 4

Conclusions

This report summarizes the information obtained during semiannual monitoring events for the years 2015 and 2016 of GMZ monitoring at Source Area 4, Southeast Rockford Groundwater Contamination Site.

Groundwater levels were measured for the baseline event in 2009; quarterly during 2010 and 2011, and 2012; and semiannually during 2013 through 2016, except for 2015 where only one sampling event occurred. The leachate extraction system has been operational since December 2009 and after the baseline measurements, the hydraulic gradient increased slightly across the site due to the pumping of the extraction wells. The pumping rates of the extraction wells have been sufficient to keep the increased gradient fairly steady since then. The groundwater flow direction remained consistent for the one GMZ monitoring event in 2015 and the two semiannual GMZ monitoring events in 2016 with only slight variations in the vicinity of the drainage ditch and extraction wells.

The northern-most well, EW001 was turned off to maintain the flow rate of EW003 during all 2015 and 2016 sampling events. Extraction well EW002 had a detection of bromodichloromethane above the RG for the 2015 groundwater sampling event and no exceedances in 2016.

The compounds 1,1-DCE and TCE were found over the RG in several groundwater monitoring events at EW003 during the first two years of quarterly monitoring but the concentration of both compounds were under the RG in the 2015 groundwater sampling event and both semiannual groundwater sampling events in 2016. EW003 also had TCA above the RG in all sampling events during the first three years of monitoring and the concentration was significantly higher than the RG during the first quarter of 2010 and 2011. However, the concentration of TCA in EW003 has decreased gradually after three years of leachate treatment system operation but slightly increased to above the RG in the second semiannual groundwater sampling event in 2016. Carbon tetrachloride was also detected above the RG in the 2015 groundwater sampling event.

The multi-level well, MLW01, showed low-level VOC concentrations in the 2015 groundwater sampling event and the first semiannual groundwater sampling event in 2016 for the four lower ports but the shallowest port, which was only sampled in 2013, had a detection of 1,1,1-TCA that exceeded RGs for the second 2013 semiannual monitoring event. The concentration of TCA in MLW01E increased significantly during the last two semiannual monitoring events that the well was functional (January 2013 and December 2013). The concentration of TCA detected in the second semiannual groundwater sampling event in 2013 was higher than the concentration detected in January 2013 and more than twice as high as the concentration detected in the 1st quarter of 2010. The VOC concentrations over the course of the year did not show any significant change for the lower four ports. The majority of exceedances were found at MLW001E since 2010, especially the high concentration of TCA. There is no sign that TCA is decreasing in the shallow port at this well based on the data from the three years of monitoring. This port has not

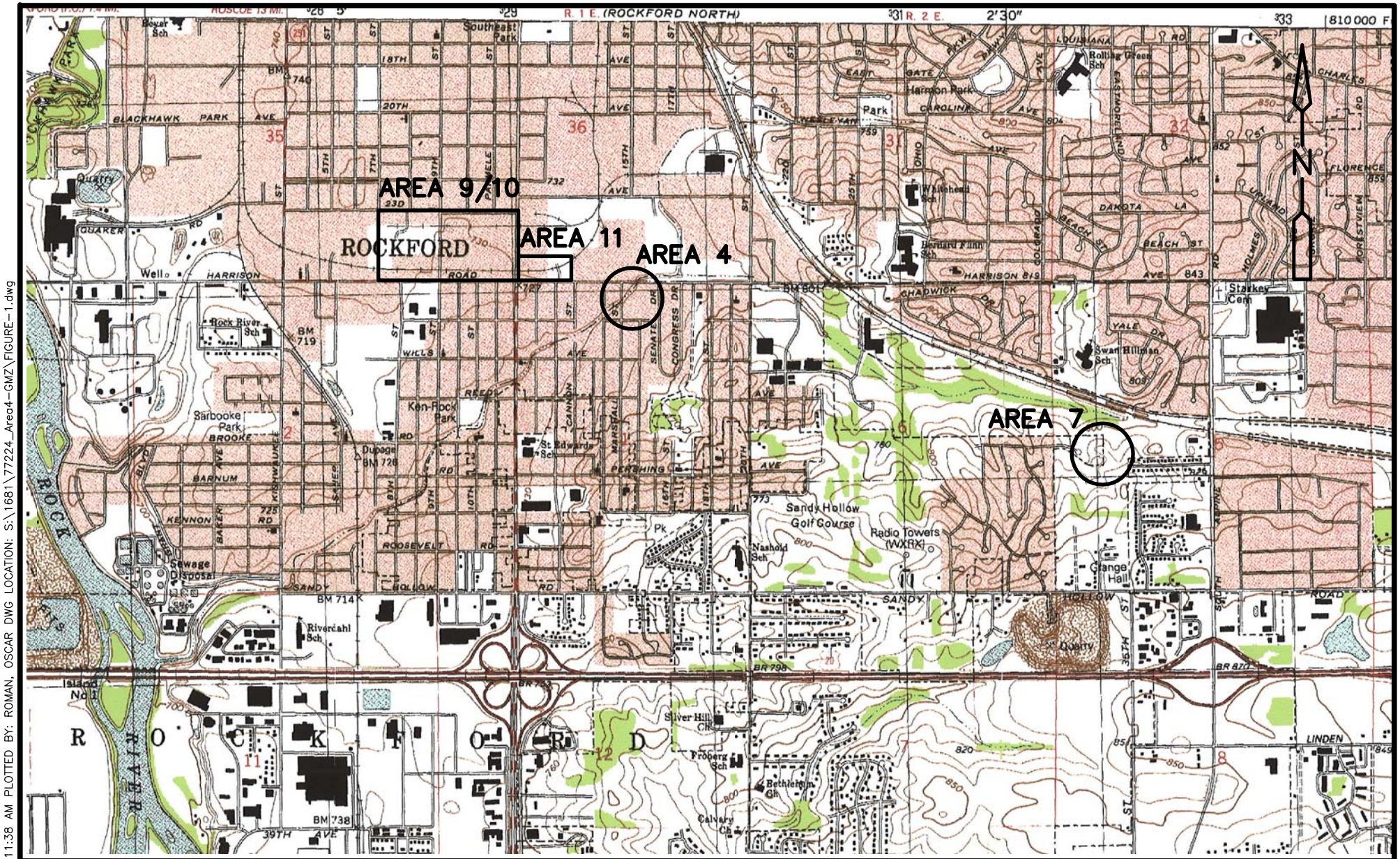
been functioning regularly during the past few years and efforts to repair it have not been successful. MLW01 was not sampled during the second semiannual groundwater sampling event in 2016 because it was abandoned prior to the start of the ERH system.

The well nest MW401 A and B which is located just west of EW001 had detections of several VOCs above the RG during the baseline event. Once the system was operational, the concentrations of VOCs decreased significantly and no VOCs were detected above their RGs for any of the quarterly or semiannual monitoring events. The downgradient wells MW22A and B, are considered compliance wells for the GMZ. In both of these wells, no VOCs exceeded their RG and the concentrations either decreased slightly or remained constant from the baseline through the 2016 semiannual groundwater sampling events. The other two compliance wells, MW130A and B, had no detections of VOCs that exceeded the RGs for the 2015 groundwater sampling event and both semiannual events in 2016. The only exceedance that MW130B had during the three years of monitoring was TCA in the first quarter of 2010. After that, the concentration has decreased gradually and remained below the RG. TCA and 1,1-DCE were two major contaminants found at MW130A above their RGs from 2010 to the second quarter of 2011; however, both chemicals have decreased gradually over time. After the second quarter of 2011, neither chemical was detected over the RG and the concentrations in these wells did not show any significant changes over the year monitoring period. Bromodichloromethane was detected above the RG in the samples collected from background well MW032 for all 2015 and 2016 groundwater sampling events.

The remedy for the leachate component of the Area 4 RA was declared operational and functional (O&F) because contaminant concentrations in groundwater immediately downgradient of the groundwater extraction system have decreased (MW401A and B) and the treatment of contaminated effluent is operating as designed. Also, contaminant concentrations in groundwater further downgradient of the groundwater extraction system have decreased (MW130A and B), which indicates the system has been operating long enough to impact groundwater further downgradient.

The Area 4 ERH system started operating in October 2016 and operated until March 2017. Groundwater monitoring will continue to be conducted at Area 4 to determine if additional soil action is needed.

Figures



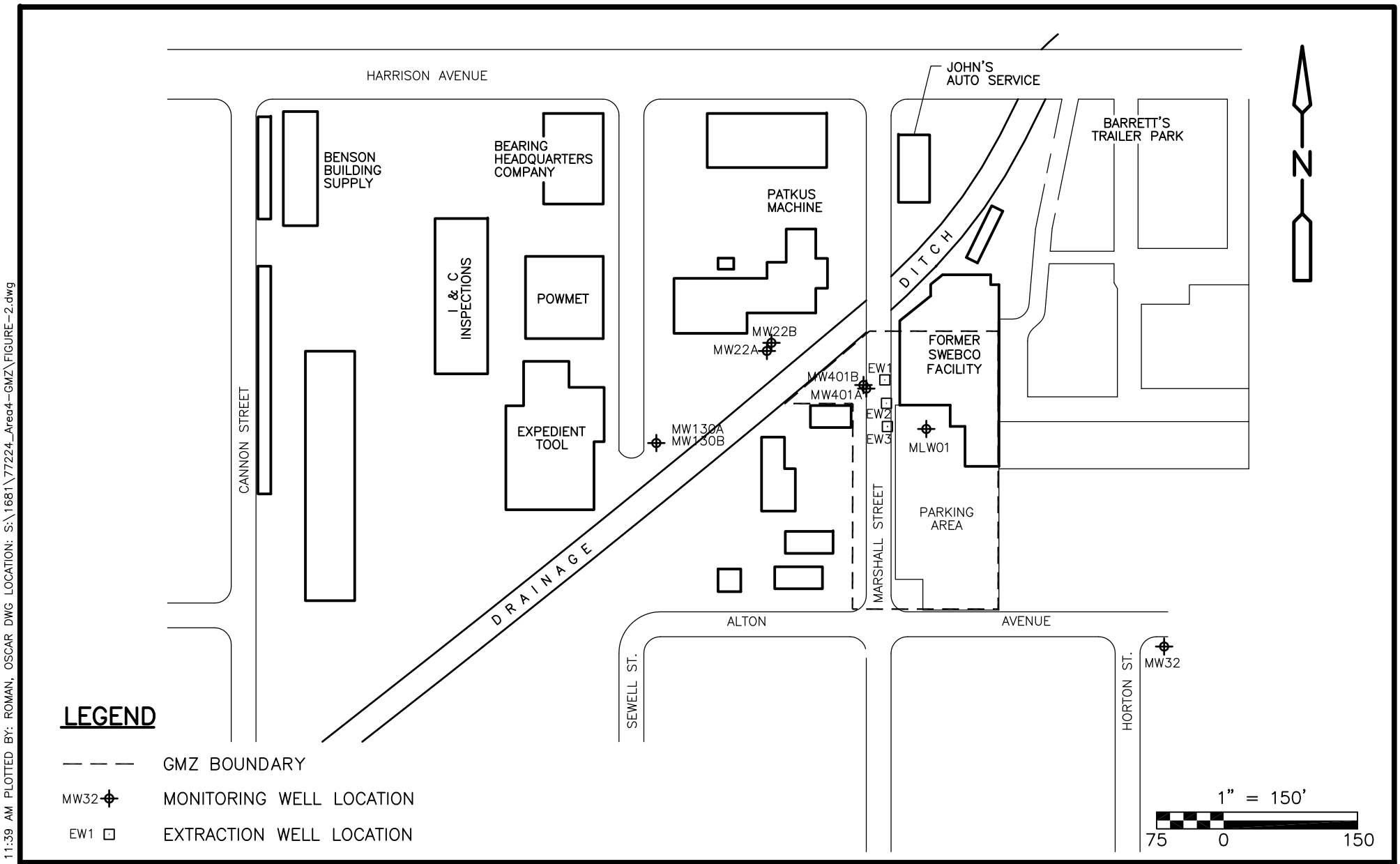
SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION SUPERFUND SITE
SOURCE CONTROL OPERABLE UNIT
ROCKFORD, ILLINOIS

CDM

AREA MAP

Figure No. 1

PLOT DATE: 6/3/2011 11:38 AM PLOTTED BY: ROMAN, OSCAR DWG LOCATION: S:\1681\77224_Area4-GMZ\FIGURE-1.dwg



SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION SUPERFUND SITE
SOURCE CONTROL OPERABLE UNIT
ROCKFORD, ILLINOIS

CDM

AREA 4 VICINITY MAP

Figure No. 2

PLOT DATE: 6/3/2011 11:39 AM PLOTTED BY: ROMAN, OSCAR DWG LOCATION: S:\1681\77224_Area4-GMZ\FIGURE-2.dwg

Legend

- Monitoring Well Location
- Baseline Groundwater Contour
- GMZ Boundary

CDM

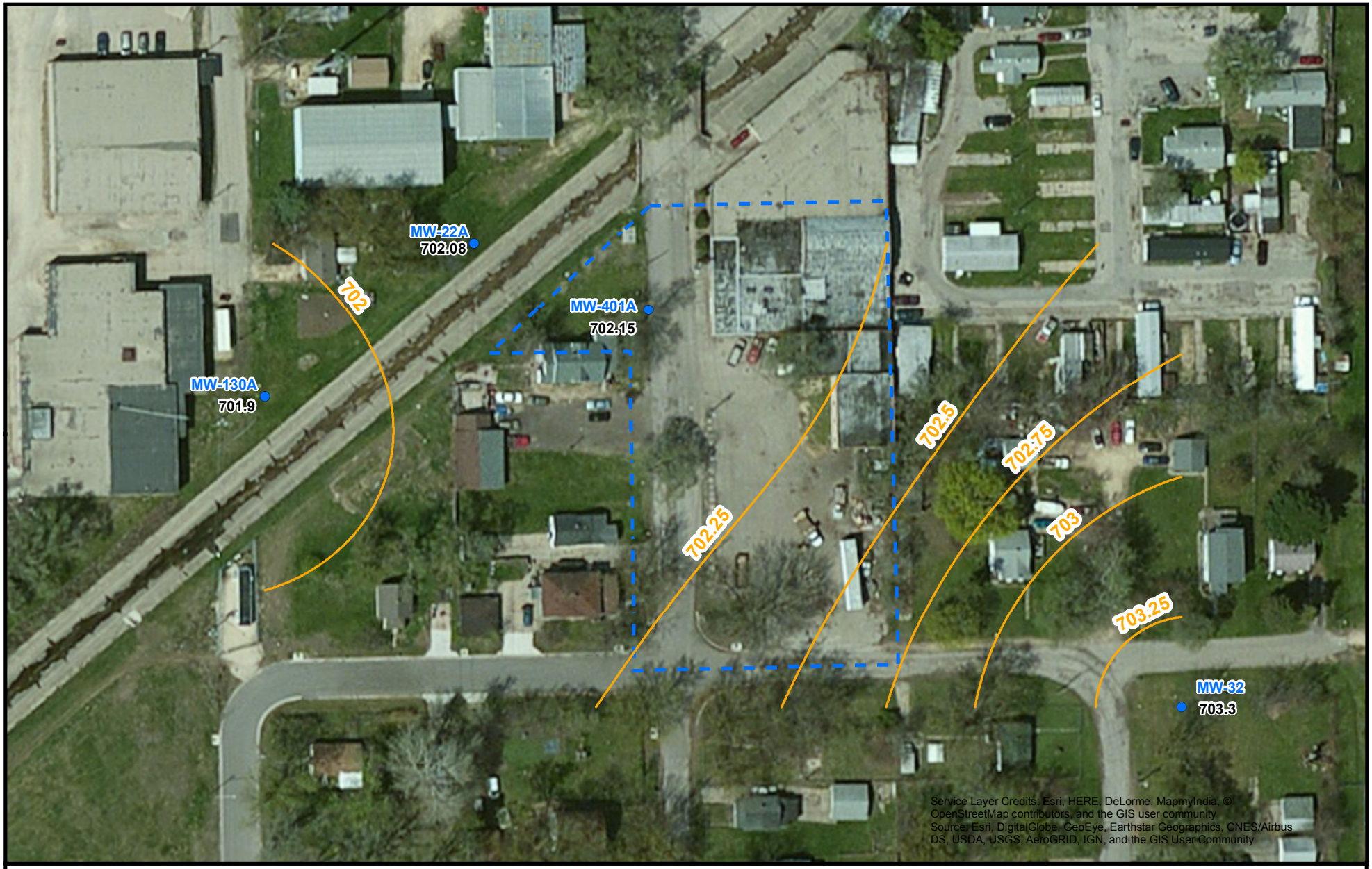
Southeast Rockford Groundwater Contamination Superfund Site
Source Control Operable Unit
Rockford, Illinois

Area 4 Baseline Groundwater Potentiometric Surface

N

0 20 40 80 Feet

Figure No. 3



Legend

- Monitoring Well Location
- Groundwater Contour
- GMZ Boundary

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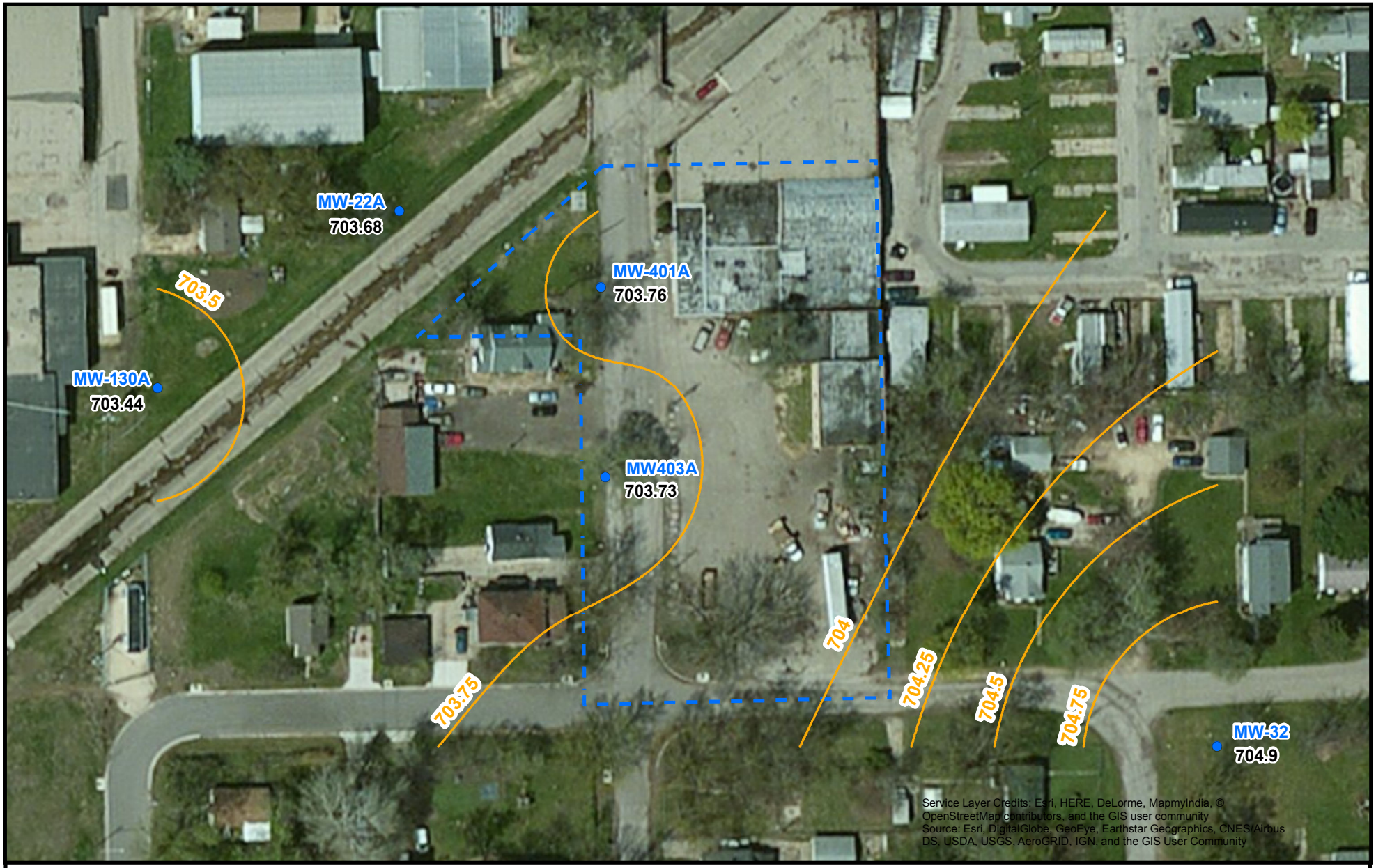
Southeast Rockford Groundwater Contamination Superfund Site
Source Control Operable Unit
Rockford, Illinois
Area 4: 05/19/2015 1st Semiannual
Groundwater Potentiometric Surface Map

N

0 20 40 80 Feet

Figure No. 4



Legend

- Monitoring Well Location
- Groundwater Contour
- GMZ Boundary

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Southeast Rockford Groundwater Contamination Superfund Site
Source Control Operable Unit
Rockford, Illinois

Area 4: 04/05/2016 1st Semiannual Groundwater Potentiometric Surface Map

N

0 20 40 80 Feet

Figure No. 5

Legend

- Monitoring Well Location
- Groundwater Contour
- GMZ Boundary

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Southeast Rockford Groundwater Contamination Superfund Site
Source Control Operable Unit
Rockford, Illinois

Area 4: 10/03/2016 2nd Semiannual Groundwater Potentiometric Surface Map

N

0 20 40 80 Feet

Figure No. 6

Tables

Table 1
Treatment System Shutdowns
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Dates	Duration	Reason/Cause
1/4 - 1/6/15	2 Days	Air Stripper (A/S) high-high level switch issues
1/12 - 1/13/15	1.5 Days	Removed carbon from lead tank to check piping manifold in tank
2/16 - 2/18/15	1.5 Days	Air Stripper (A/S) high-high level switch issues
2/23 - 2/24/15	1.5 Days	Air Stripper (A/S) high-high level switch issues
3/18 - 3/20/15	2.5 Days	Clean EX002 and EX003 well screens and piping
3/22 - 3/23/15	1.5 Days	High bag filter pressure over the weekend
4/7 - 4/9/15	3 Days	Backwash carbon tanks, pig influent line, clean OWS, and transport waste to landfill
6/9 - 6/11/15	2.5 Days	Backwash carbon tanks
6/21 - 6/22/15	1.5 Days	Issues with well panel UPS
6/28 - 6/30/15	1.5 Days	High bag filter pressure over the weekend
7/12 - 7/13/15	1.5 Days	High bag filter pressure over the weekend
7/18 - 7/20/15	2 Days	PLC communcation alarm over the weekend
7/24 - 7/27/15	3 Days	PLC communcation alarm over the weekend
8/4 - 8/19/15	15 Days	Ethernet to fiber optic adapter bad/replaced & backwashed carbon tanks
8/31 - 9/2/15	2 Days	High bag filter pressure over the weekend
9/6 - 9/8/15	2 Days	High bag filter pressure over the weekend
9/11 - 9/14/15	3 Days	Replaced bad motor starter for OWS transfer pump
9/25 - 9/28/15	2.5 Days	High bag filter pressure over the weekend
10/5 - 10/7/15	2.5 Days	Backwash carbon tanks
10/11 - 10/13/15	2 Days	High bag filter pressure over the weekend
11/16 - 11/18/15	3 Days	Change-out carbon in tanks, clean A/S sump & OWS, & pig influent line
12/8 - 12/10/15	3 Days	Replace sections of floor in the LTS
1/3 - 1/4/16	1.5 Days	High bag filter pressure over the weekend
2/2 - 2/4/16	2.5 Days	Backwash carbon tanks & replace motor on OWS transfer pump
2/17 - 2/18/16	2 Days	Repair piping for liquid carbon system
2/29 - 3/1/16	2 Days	Replaced OWS transfer pump & replaced diaphragm in AN240/400 pump
3/5 - 3/10/16	5 Days	High bag pressure over weekend, clean EX002 and EX003 well screens and piping, and replaced high float switch in OWS
3/27 - 3/31/16	4 Days	High bag filter pressure over the weekend, pigged influent line, backwashed carbon tanks, & transported waste to landfill
4/3 - 4/4/16	1.5 Days	High bag filter pressure over the weekend

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Table 1
Treatment System Shutdowns
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Dates	Duration	Reason/Cause
4/17 - 4/19/16	2.5 Days	PLC communcation alarm & tripped breaker in well panel for vault transformer
4/22 - 5/3/16	11 Days	Replaced well panel UPS batteries
5/31 - 6/2/16	2.5 Days	Backwash carbon tanks
6/6 - 6/20/16	14 Days	Replace Air Stripper (A/S) high-high float switch & install new gasket on A/S door
6/29 - 6/30/16	1.5 Days	Pigged the influent line, cleaned OWS & transported waste to landfill
7/5 - 7/7/16	2 Days	PLC communcation alarm
7/9 - 7/11/16	2 Days	Building high-high sump alarm
7/25 - 7/27/16	2.5 Days	Backwash carbon tanks
9/5 - 9/7/16	2 Days	High bag filter pressure over the weekend
9/15 - 9/16/16	1.5 Days	PLC communcation alarm
9/19 - 9/21/16	3 Days	Pigged influent line, replaced carbon in tanks, cleaned OWS, cleaned A/S sump, replaced high float switch in A/S & transported waste to landfill
9/23 - 9/27/16	3.5 Days	Issue with extraction well pumps & installed new PLC
10/4 - 10/7/16	2.5 Days	A/S blower motor overload
11/10 - 11/16/16	6 Days	ERH Blow down water issues - Pigged influent line, backwashed carbon in tanks, cleaned OWS, replaced OWS transfer pump & replaced A/S transfer pump
11/24 - 11/26/16	2 Days	High bag filter pressure over Thanksgiving holiday
11/27 - 11/28/16	1.5 Days	High bag filter pressure over the weekend
12/19 - 12/21/16	2.5 Days	Backwash carbon tanks

Note: Information provided by Bodine Environmental Services.

Table 2
Semiannual Sampling Dates
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Sampling Event	Sampling Date	Samples	No Sample Collected
1st Semiannual 2015	5/19/2015	MW-403, MW032 EW002, EW003	MLW01E, EW001
	5/20/2015	MW401A, MW401B, MW022A, MW022B	
	5/21/2015	MW130A, MW130B, MLW01A, MLW01B, MLW01C, MLW01D	
1st Semiannual 2016	4/5/2016	MW-32, MW-401A, MW-401B, MW-403, MLW01A, MLW01B, MLW01C, MLW01D	MLW01E, EW001 EW003
	4/6/2016	MW130A, MW130B, MW22A, MW-22B, EW002	
2nd Semiannual 2016	10/3/2016	MW-22A, MW-22B, MW-32, MW130A, MW-401A, MW-401B MW-403, EW003	MLW01 (all ports), EW001, EW002

Table 3
Groundwater Elevations
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Well ID	Top of Casing Elevation (ft AMSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft AMSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft AMSL)
		12/1/09 - Baseline		05/19/2015 - 1st Semiannual		04/5/2016 - 1st Semiannual		10/03/2016 - 2nd Semiannual	
MW-22A	730.35	23.60	706.75	28.27	702.08	26.67	703.68	25.75	704.60
MW-22B	729.75	--	--	27.68	702.07	26.09	703.66	25.12	704.63
MW-32	733.84	25.60	708.24	30.54	703.30	28.94	704.90	27.85	705.99
MW-130A	728.04	21.50	706.54	26.14	701.90	24.60	703.44	23.66	704.38
MW-130B	727.52	--	--	25.65	701.87	24.08	703.44	23.17	704.35
MW-401A	730.35	23.30	707.05	28.20	702.15	26.59	703.76	25.69	704.66
MW-401B	730.34	--	--	28.15	702.19	26.55	703.79	25.64	704.70
MW403A	730.95	--	--	--	--	27.22	703.73	26.24	704.71

Notes:
The 2015 second semiannual event was not performed because of contractual issues.

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Table 4
Stabilized Field Parameter Readings
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Final Parametes Readings	Flowrate (mL/min)	Drawdown (ft.)	pH	Specific Cond. (mS/Cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purged (Min.)
05/19/2015 - 05/21/2015 - 1st semiannual									
MLW01A	--	--	7.10	1.23	0	1.35	12.01	72	55
MLW01B	--	--	7.22	1.31	0	0.02	12.35	129	20
MLW01C	--	--	7.23	1.3	0	0.40	12.97	134	25
MLW01D	--	--	7.41	1.27	0	0.62	13.62	76	20
MW22A	425	0.01	7.18	0.91	38.4	4.63	9.39	301	23
MW22B	500	0	7.10	1.15	0	2.31	12.78	77	23
MW32	450	0	7.14	1.15	1.1	3.61	13.4	84	18
MW130A	300	0.01	7.21	1.18	33.9	2.29	11.55	116	33
MW130B	300	0.05	7.14	1.13	2.1	1.84	13.2	227	45
MW401A	300	0	7.13	1.07	23.8	5.39	11.61	293	38
MW401B	450	0	7.14	1.22	9.9	8.38	11.42	229	14
MW403	300	0.01	7.14	1.23	16.2	1.79	14.85	147	40
04/05/2016 - 04/06/2016 - 1st semiannual									
MLW01A	--	--	7.20	1.22	1.3	0*	11.83	180	15
MLW01B	--	--	7.23	1.30	1.5	0*	12.02	185	10
MLW01C	--	--	7.30	1.34	0.2	0*	11.82	254	15
MLW01D	--	--	7.40	1.37	0.3	0*	11.88	238	10
MW22A	300	0	7.59	0.958	4.7	0*	11.35	112	36
MW22B	450	0.02	7.27	1.23	107	2.94	10.42	122	71
MW32	350	0.02	7.26	1.10	14.8	4.76	11.08	165	32
MW130A	400	0.53	7.31	1.27	33.2	3.86	10.31	102	54
MW130B	500	0.02	7.59	1.20	3.7	0*	12.51	116	28
MW401A	250	0	7.27	1.16	60	3.69	11.19	129	130
MW401B	300	0	7.53	1.21	4.7	0*	12.08	130	16
MW403	250	0	7.22	1.13	43.8	5.10	10.89	181	49

CDM Smith

Table 4
Stabilized Field Parameter Readings
Source Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

Final Parametes Readings	Flowrate (mL/min)	Drawdown (ft.)	pH	Specific Cond. (mS/Cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purged (Min.)
10/03/2016 - 2nd semiannual									
MW22A	450	0.06	7.39	0.905	53.5	5.18	18.22	173	35
MW22B	475	0.01	7.08	1.21	85.9	4.68	15.61	-49	35
MW32	500	0	6.75	0*	111	9.20	16.91	146	35
MW130A	500	0.25	7.03	1.17	75.9	2.71	15.41	-45	30
MW130B	450	0.02	7.25	1.23	10.1	3.14	13.74	109	25
MW401A	450	0.08	7.14	1.10	106	5.43	15.03	105	35
MW401B	500	0.07	7.26	1.21	23.2	2.9	15.18	119	35
MW403	450	0	6.97	0.91	72.1	4.76	18.70	83	25

-- = Not collected
* Equipment malfunction.

Table 5
Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3XW0	E3XW1	E3XT3	E3XT4	E3XT5	E3XT6	E3XW3	E3XW4	E3XT0	E3XT1	E3XW5	E3XW6	E3XW7
	Station Location	A4-EW002	A4-EW003	A4-MLW01A	A4-MLW01B	A4-MLW01C	A4-MLW01D	A4-MW022A	A4-MW022B	A4-MW032A	A4-MW032A	A4-MW130A	A4-MW130B	A4-MW130B
	Sample Date	5/19/2015	5/19/2015	5/21/2015	5/21/2015	5/21/2015	5/21/2015	5/20/2015	5/20/2015	5/19/2015	5/19/2015	5/21/2015	5/21/2015	5/21/2015
Analyte Name	**RG**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**
1,1,1-Trichloroethane	200	84D	160	3.7	5.4	5.5	4.8	2.1	7.5	5.6	5.3	12	7.4	7.6
1,1-Dichloroethane	1,400	18D	24	7.2	9.9	10	10	0.65	11	8.4	8.4	11	11	12
1,1-Dichloroethene	7	1.7	5U	0.77	0.5U	1.5	1.4	0.5U	1.4	1.2	0.99	1.2	1.5	1.6
Bromodichloromethane	0.2*	**0.43J**	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**0.99**	**0.94**	0.19J	0.5U	0.5U
Carbon Tetrachloride	5	0.5U	**20**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Chloroform	70	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2.1	2.1	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	2.5J	2.4J	1.5	2.2	2.2	2.2	0.5U	2.4	2.5	2.3	2.2	2.4	2.3
Dibromochloromethane	140*	0.41J	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.64	0.63	0.5U	0.5U	0.5U
Dichlorodifluoromethane (Freon 12)	1,400	5U	5U	0.5U	0.5U	0.5U	0.5U	0.92	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Ethyl Benzene	700	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Isopropyl Benzene	700	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.44J	5U	0.23J	0.39J	0.39J	0.47J	0.5U	0.38J	0.59	0.56	0.45J	0.34J	0.34J
Toluene	1,000	0.5U	5UJ	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	5U	0.5U	0.21J	0.22J	0.25J	0.5U	0.3J	0.21J	0.24J	0.25J	0.29J	0.21J
Trichloroethene	5	1.4	5U	0.52	0.63	0.63	0.65	0.5U	0.95	1.4	1.2	0.96	0.95	0.97
Trichlorofluoromethane (Freon 11)	2,100	0.5U	5U	0.5U	0.5U	0.5U	0.15J	0.5U	0.35J	0.5U	0.5U	0.21J	0.34J	0.35J
Xylene (total)	10,000	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Notes:
All results in micrograms per liter
Remediation goals from Record of Decision
or Class I Groundwater Standard from
35 IAC 620.410
* = Remediation goal from TACO (35 IAC 742)
Shaded results exceed remediation goal
D = Diluted sample result
U = Not detected at value shown
J = Estimated result

Table 5
Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3XT8	E3XT9	E3XT2	E3XX8	E3XY1	E3XY2	E3XY3	E3XY4	E3XY9	E3XZ0	E3XZ1	E3XZ2	E3XY6
	Station Location	A4-MW401A	A4-MW401B	A4-MW403	A4-EW002	A4-MLW01A	A4-MLW01B	A4-MLW01C	A4-MLW01D	A4-MW022A	A4-MW022B	A4-MW032	A4-MW032	A4-MW130A
	Sample Date	5/20/2015	5/20/2015	5/19/2015	4/6/2016	4/5/2016	4/5/2016	4/5/2016	4/5/2016	4/6/2016	4/6/2016	4/5/2016	4/5/2016	4/6/2016
Analyte Name	**RG**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**
1,1,1-Trichloroethane	200	9.4	7.1	3.9	73D	3.6	6.1	6.6	5.4	4.6	8.5	4.8	5.8	7.5
1,1-Dichloroethane	1,400	5.5	11	6.7	11	5.9	7.9	8.1	7.6	0.58	9.6	5.8	5.7	9.3
1,1-Dichloroethene	7	0.94	1.6	0.73	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Bromodichloromethane	0.2*	0.5U	0.13J	0.5U	0.13J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	**1.8**	**1.8**	0.12J
Carbon Tetrachloride	5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Chloroform	70	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2.2	2.1	0.5U
cis-1,2-Dichloroethene	70	1.2	2.5	1.6	1.5J-	1.1	1.8	1.9	1.7	0.13J	1.9	1.9	1.7	2.1
Dibromochloromethane	140*	0.5U	0.5U	0.5U	0.11J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.4	1.3	0.5U
Dichlorodifluoromethane (Freon 12)	1,400	0.5U	0.5U	0.38J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Ethyl Benzene	700	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Isopropyl Benzene	700	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.33J	0.4J	0.37J	0.43J	0.26J	0.48J	0.42J	0.45J	0.5U	0.43J	0.51	0.63	0.44J
Toluene	1,000	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	0.28J	0.5U	0.17J-	0.13J	0.21J	0.22J	0.23J	0.5U	0.3J	0.5U	0.21J	0.26J
Trichloroethene	5	0.75	1.2	0.53	1.1	0.73	1.1	1.2	1	0.5U	1.5	1.4	1.7	1.4
Trichlorofluoromethane (Freon 11)	2,100	0.5U	0.21J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.31J	0.5U	0.5U	0.25J
Xylene (total)	10,000	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.66	0.5U	0.5U	0.7

Notes:
All results in micrograms per liter
Remediation goals from Record of Decision
or Class I Groundwater Standard from
35 IAC 620.410
* = Remediation goal from TACO (35 IAC 742)
Shaded results exceed remediation goal
D = Diluted sample result
U = Not detected at value shown
J = Estimated result

Table 5
Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3XY7	E3XY8	E3XZ3	E3XZ4	E3XZ5	E3Y14	E3Y16	E3Y17	E3Y08	E3Y09	E3Y18	E3Y19	E3Y11
	Station Location	A4-MW130B	A4-MW130B	A4-MW401A	A4-MW401B	A4-MW403	A4-EW003	A4-MW022A	A4-MW022B	A4-MW032A	A4-MW032A	A4-MW130A	A4-MW130B	A4-MW401A
	Sample Date	4/6/2016	4/6/2016	4/5/2016	4/5/2016	4/5/2016	10/3/2016	10/3/2016	10/3/2016	10/3/2016	10/3/2016	10/3/2016	10/3/2016	10/3/2016
Analyte Name	**RG**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**	**INITIAL**
1,1,1-Trichloroethane	200	7.6	7.3	12	6.3	70D	**210**	0.69	7.6	4.5	4.7	8	8.6	4.2
1,1-Dichloroethane	1,400	10	9.8	6.8	11	20	59	0.5U	9.5	5.7	5.8	9.6	11	4.4
1,1-Dichloroethene	7	0.5U	0.5U	0.5U	0.5U	4.1	5U	0.5U	1.6	1.1	0.96	1.8	1.9	0.88
Bromodichloromethane	0.2*	0.11J	0.1J	0.15J	0.14J	0.5U	5U	0.5U	0.5U	**0.94**	**0.96**	0.5U	0.5U	0.5U
Carbon Tetrachloride	5	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Chloroform	70	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	1.4	1.5	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	2.2	2.1	1.6	2.4	1	3.2J	0.5U	1.8	1.6	1.6	2	2.2	1
Dibromochloromethane	140*	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.63	0.7	0.5U	0.5U	0.5U
Dichlorodifluoromethane (Freon 12)	1,400	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Ethyl Benzene	700	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Isopropyl Benzene	700	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.43J	0.37J	0.22J	0.31J	0.22J	5U	0.5U	0.37J	0.6	0.55	0.41J	0.38J	0.14J
Toluene	1,000	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.31J	0.23J	0.18J	0.23J	0.5U	5U	0.5U	0.29J	0.5U	0.18J	0.23J	0.28J	0.5U
Trichloroethene	5	1.4	1.4	0.86	1.3	0.55	1.3J	0.11J	1.2	1.3	1.3	1.4	1.4	0.48J
Trichlorofluoromethane (Freon 11)	2,100	0.29J	0.27J	0.5U	0.22J	0.5U	5U	0.5U	0.4J	0.5U	0.5U	0.5U	0.34J	0.5U
Xylene (total)	10,000	0.5U	0.5U	0.77	0.5U	0.5U	1J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Notes:
All results in micrograms per liter
Remediation goals from Record of Decision
or Class I Groundwater Standard from
35 IAC 620.410
* = Remediation goal from TACO (35 IAC 742)
Shaded results exceed remediation goal
D = Diluted sample result
U = Not detected at value shown
J = Estimated result

Table 5
Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID Station Location Sample Date	E3Y12 A4-MW401B 10/3/2016	E3Y10 A4-MW403 10/3/2016
Analyte Name	**RG**	**INITIAL**	**INITIAL**
1,1,1-Trichloroethane	200	8	12
1,1-Dichloroethane	1,400	11	2.7
1,1-Dichloroethene	7	0.5U	0.99J-
Bromodichloromethane	0.2*	0.5U	0.5U
Carbon Tetrachloride	5	0.5U	0.5U
Chloroform	70	0.5U	0.5U
cis-1,2-Dichloroethene	70	2.4	0.59J-
Dibromochloromethane	140*	0.5U	0.5U
Dichlorodifluoromethane (Freon 12)	1,400	0.5U	0.5U
Ethyl Benzene	700	0.5U	0.5U
Isopropyl Benzene	700	0.5U	0.5U
Tetrachloroethene	5	0.4J	0.19J
Toluene	1,000	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.32J	0.5U
Trichloroethene	5	1.4	0.33J
Trichlorofluoromethane (Freon 11)	2,100	0.5U	0.5U
Xylene (total)	10,000	0.5U	0.1J

Notes:
All results in micrograms per liter
Remediation goals from Record of Decision
or Class I Groundwater Standard from
35 IAC 620.410
* = Remediation goal from TACO (35 IAC 742)
Shaded results exceed remediation goal
D = Diluted sample result
U = Not detected at value shown
J = Estimated result

Table 6
Comprehensive Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID Station Location Date	E3WP2 A4-EW001 2/11/2010	E5279 A4-EW001 6/14/2010	E52L9 A4-EW001 7/20/2011	E52P7 A4-EW001 10/11/2011	E52R3 A4-EW001 1/11/2012	E3X98 A4-EW001 7/26/2012
Analyte Name	**RG**						
1,1,1-Trichloroethane	200	34	15	14	8.9	7.9	14
1,1-Dichloroethane	1400	8.9	4.5	5.3	3.2J	4.2J	5.4
1,1-Dichloroethene	7	0.5U	1.3	2J	5U	5U	5U
Benzene	5	0.5U	0.5U	0.41J	5U	5U	5U
cis-1,2-Dichloroethene	70	5.6	2.9	3.2J	5U	2.5J	2.4J
Tetrachloroethene	5	0.49J	0.35J	0.4J	5U	5U	0.51J
Toluene	1000	0.5U	0.5U	5U	3.1J	5.8	5U
trans-1,2-Dichloroethene	100	0.25J	0.5U	5U	5U	5U	5U
trans-1,3-Dichloropropene	--	0.5U	0.5U	5U	5U	5U	5U
Trichloroethene	5	3	1.7	2.1J	5U	1.2J	1.6J
Trichlorofluoromethane (Freon 11)	2100	0.14J	0.5U	5U	5U	5U	5U

	EPA Sample ID Station Location Date	E3WP3 A4-EW002 2/11/2010	E5280 A4-EW002 6/14/2010	E52B0 A4-EW002 10/7/2010	E52F3 A4-EW002 1/12/2011	E52H5 A4-EW002 4/18/2011	E52M0 A4-EW002 7/19/2011	E52P8 A4-EW002 10/11/2011	E52R4 A4-EW002 1/11/2012	E3X99 A4-EW002 7/26/2012	E3XD9 A4-EW002 1/16/2013	E3XH8 A4-EW002 7/22/2013	E3XK7 A4-EW002 12/17/2013	E3XN6 A4-EW002 5/21/2014	E3XS1 A4-EW002 12/16/2014	E3XW0 A4-EW002 5/19/2015	E3XX8 A4-EW002 4/6/2016
Analyte Name	**RG**																
1,1,1-Trichloroethane	200	**250D**	93	**280J**	77	39	77	31	26	65	23	46D	32D	27D	64D	84D	73D
1,1-Dichloroethane	1400	14	7.9	15	7.4	7.1	9.1	4.8J	5.9	7.6	6	6	3.1	7.6	12	18D	11
1,1-Dichloroethene	7	4.7J	2.4J	5U	1.5J	5U	3.1J	5U	5U	5U	5U	**7**	0.29J	1.2	1.8	1.7	0.5UJ
1,4-Dichlorobenzene	75	0.5U	0.5U	5U	0.45J	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5UJ
1,4-Dioxane	7.7	NA	NA	**8J**	100R	100R	100R	100U	100R	100R	100U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.2*	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	**0.57**	**0.43J**	0.13J
cis-1,2-Dichloroethene	70	5.5J	3.5J	6	3.5J	4.2J	3.2J	5U	2.4J	2.3J	5U	1.2	0.43J	1.5	2.1	2.5JD	1.5J-
Dichlorodifluoromethane (Freon 12)	1400*	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.11J
Isopropyl Benzene	700	0.16J	0.22	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.88	0.62	0.82J	0.58J	5U	0.64J	5U	5U	0.62J	5U	0.32J	0.5U	0.39J	0.59	0.44J	0.43J
trans-1,2-Dichloroethene	100	0.24J	0.2J	5U	0.3J	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.13J	0.34J	0.5U	0.17J-
Trichloroethene	5	3.3	1.8	3.6J	2.7J	2.8J	2.4J	5U	1.4J	1.8J	5U	0.94	0.25J	1.1	1.4	1.4	1.1

	EPA Sample ID Station Location Date	E3WP4 A4-EW003 2/11/2010	E5281 A4-EW003 6/14/2010	E52B1 A4-EW003 10/7/2010	E52F4 A4-EW003 1/12/2011	E52H6 A4-EW003 4/18/2011	E52M1 A4-EW003 7/19/2011	E52P9 A4-EW003 10/11/2011	E52R5 A4-EW003 1/11/2012	E3XA0 A4-EW003 7/26/2012	E3XE0 A4-EW003 1/16/2013	E3XH9 A4-EW003 7/22/2013	E3XK8 A4-EW003 12/17/2013	E3XN7 A4-EW003 5/21/2014	E3XS2 A4-EW003 12/16/2014	E3XW1 A4-EW003 5/19/2015	E3Y14 A4-EW003 10/3/2016
Analyte Name	**RG**																
1,1,1-Trichloroethane	200	**2400D**	**910D**	**1500J**	**1900D**	**2900**	**1200**	**740**	**710**	**670D**	**260D**	**370D**	**310**	190	52D	160	**210D**
1,1,2-Trichloroethane	5	**8.6J**	1.2	2.1J	1.2J	500U	10U	5U	10U	5U	5U	5U	10U	5U	0.15J	5U	5U
1,1-Dichloroethane	1400	130	41J	42	35	500U	23	13	22	15	13	22	30	19	8.4D	24	59
1,1-Dichloroethene	7	13U	**45J**	**26**	**8.7J**	**81J**	**27**	5U	10U	3.4J	5U	3.6J	10 U	5.4	3.2	5U	5U
1,4-Dioxane	7.7	NA	NA	7.5J	200R	10000R	200R	100U	200R	100R	100U	100U	200R	100R	NA	100U	NA
2-Butanone	4200*	130U	500U	10UJ	20U	1000U	20U	10U	20U	10U	10U	10U	30U	10U	5U	10U	3.3J
Acetone	6300*	130U	500U	20UJ	20U	1000U	40U	10U	20U	20U	10U	10U	20U	10U	5U	10U	2.6J
Carbon Tetrachloride	5	13U	0.5U	5U	10U	500U	10U	5U	10U	5U	5U	5U	10U	5U	0.5U	**20**	5U
cis-1,2-Dichloroethene	70	20	8.8J	8.2	5.9J	500U	4.6J	3J	10U	3.9J	3.1J	3.8J	10U	2.5J	3.5	2.4J	3.2J
Ethyl Benzene	700	13U	0.42J	0.76J	0.77J	500U	0.71J	5U	10U	0.36J	5U	5U	10U	5U	0.5U	5U	5U
Isopropyl Benzene	700	13U	0.41J	0.67J	0.57J	500U	0.54J	5U	10U	0.28J	5U	5U	10U	5U	0.4J	5U	5U
Tetrachloroethene	5	3.1J	1.4	2.5J	2.2J	500U	2.1J	5U	2.2J	1.1J	5U	5U	10U	0.75J	0.84	5U	5U
Toluene	1000	13U	0.5U	0.54J	0.72J	500U	0.65J	5U	6.8J	0.31J	5U	5UJ	10U	0.49J	0.5U	5U	5U
trans-1,2-Dichloroethene	100	13U	0.32J	5U	10U	500U	10U	5U	10U	5U	5U	5	10U	5U	0.44J	5U	5U
Trichloroethene	5	**9.8J**	3.3	**10**	**8.9J**	500U	**6.6J**	2.8J	**5.4J**	2.9J	2.1J	2.1J	10U	1.3J	1.6	5U	1.3J
Xylene (Total)	10,000	13U	2.8	4.9J	5.0J	500U	4.4J	5U	4.5J	1.91J	5U	5U	10U	1.29J	1.2	5U	1J

	EPA Sample ID Station Location Date	E3WP7 A4-MLW01A 2/10/2010	E5284 A4-MLW01A 6/14/2010	E52B4 A4-MLW01A 10/7/2010	E52F7 A4-MLW01A 1/12/2011	E52H9 A4-MLW01A 4/19/2011	E52Q2 A4-MLW01A 10/11/2011	E52Q8 A4-MLW01A 1/11/2012	E3XA7 A4-MLW01A 7/26/2012	E3XE2 A4-MLW01A 1/15/2013	E3XJ1 A4-MLW01A 7/22/2013	E3XL0 A4-MLW01A 12/17/2013	E3XM8 A4-MLW01A 5/21/2014	E3XR4 A4-MLW01A 12/16/2014	E3XT3 A4-MLW01A 5/21/2015	E3XY1 A4-MLW01A 4/5/2016
Analyte Name	**RG**															
1,1,1-Trichloroethane	200	7.4	4.1	6.5	5.5	6.6	5U	4.5J	4.3J	3.9J	2.8	3.2	4.1	4.2J	3.7	3.6
1,1-Dichloroethane	1400	8.6	4.3	6.9	6.7	5.9	3.2J	5.4	4.8J	5.1	4.5	4.7	5.6J	7	7.2	5.9
1,1-Dichloroethene	7	0.5U	0.7	5U	1.5J	5U	5U	5U	5U	5U	0.46J	0.31J	0.53	0.75	0.77	0.5U
1,4-Dioxane	7.7	NA	NA	**12J**	100R	100R	100U	100R	100R	100U	NA	NA	NA	NA	NA	NA
Carbon Disulfide	700	0.5U	0.5U	5UJ	5U	5U	5U	5U	0.21J	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	9.6	2.8	4.5J	3.2J	3.7J	5U	3J	2.1J	5U	1.3	1.3	1.4	1.6	1.5	1.1
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	5UJ	5U	2.9J	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.27J	0.5U	5U	0.23J	5U	5U	5U	0.3J	5U	0.5U	0.32J	0.3J	0.35J	0.23J	0.26J
Toluene	1000	0.5U	0.5U	5U	5U	5U	4.7J	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.24J	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.1J	0.23J	0.5U	0.13J
Trichloroethene	5	1.6	0.99	1.6J	5U	1.6J	5U	1.3J	1.1J	2.8J	0.72	0.67	0.75J	0.87	0.52	0.73
Trichlorofluoromethane (Freon 11)	2100	0.17J	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.17J	0.19J	0.5U	0.5U

Notes:

All results in micrograms per liter

Remediation goals from Record of Decision or Class I Groundwater Standard from 35 IAC 620.410

Shaded results exceed remediation goal

* Remediation goal from TACO (35 IAC 742)

-D = Duplicate sample

D = Diluted sample result

U = Not detected at value shown

J = Estimated result

R = Rejected

CDM Smith

Table 6
Comprehensive Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3WP8	E5285	E52B5	E52F8	E52J0	E52Q3	E52Q9	E3XA6	E3XE3	E3XJ2	E3XL1	E3XM9	E3XR5	E3XT4	E3XY2
	Station Location	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B	A4-MLW01B
	Date	2/10/2010	6/14/2010	10/7/2010	1/12/2011	4/19/2011	10/11/2011	1/11/2012	7/26/2012	1/15/2013	7/22/2013	12/17/2013	5/21/2014	12/16/2014	5/21/2015	4/5/2016
Analyte Name	**RG**															
1,1,1-Trichloroethane	200	9	5.3	7.6	6.9	8.3	3.1J	3.9J	5	4.3J	3.4	4	5.3	5.8	5.4	6.1
1,1-Dichloroethane	1400	8.4	4.1	6.5	4.9J	5.7	3J	3.8J	4.6J	4.4J	4.8	5.8	7.6J	10	9.9	7.9
1,1-Dichloroethene	7	0.5U	0.95J	5U	1.3J	5U	5U	5U	5U	5U	0.97	0.67	1.2	1.5	0.5U	0.5U
cis-1,2-Dichloroethene	70	4.5	2.7J	4.7J	3.5J	4.4J	5U	2.1J	1.8J	5U	1.6	1.6	1.6	2.4	2.2	1.8
Tetrachloroethene	5	0.54	0.32J	0.55J	0.54J	5U	5U	5U	5U	5U	0.32J	0.51	0.51	0.59	0.39J	0.48J
Toluene	1000	0.5U	0.5U	5U	5U	5U	5.9	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.24J	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.13J	0.32J	0.21J	0.21J
Trichloroethene	5	2.6	1.7	2.8J	2.5J	2.9J	5U	1.3J	1.4J	5U	0.82	0.5U	0.8	0.94	0.63	1.1

	EPA Sample ID	E3WP9	E5286	E52B6	E52F9	E52J1	E52Q4	E52R0	E3XA5	E3XE4	E3XJ3	E3XL2	E3XN2	E3XR6	E3XT5	E3XY3
	Station Location	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C	A4-MLW01C
	Date	2/10/2010	6/15/2010	10/7/2010	1/12/2011	4/19/2011	10/11/2011	1/11/2012	7/26/2012	1/15/2013	7/22/2013	12/17/2013	5/21/2014	12/16/2014	5/21/2015	4/5/2016
Analyte Name	**RG**															
1,1,1-Trichloroethane	200	9.2	5.1	7.9	6.8	8.7	2.7J	3J	5	5.5	3.4	4	5	5.6	5.5	6.6
1,1-Dichloroethane	1400	8.9	4.3	6.6	5J	5.7	2.8J	3.3J	4.9J	5.5	4.7	5.8	6.9	9.4	10	8.1
1,1-Dichloroethene	7	0.5U	1J	5U	1.4J	5U	5U	5U	5U	5U	0.93	0.72	1.1	1.5	1.5	0.5U
1,4-Dioxane	7.7	NA	NA	**8.5J**	100R	100R	100U	100R	100R	100UJ	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	70	4.6	2.8J	4.7J	3.3J	4.2J	5U	1.7J	2.2J	2.1J	1.5	1.8	1.5	2.1	2.2	1.9
Tetrachloroethene	5	0.5	0.42J	0.57J	0.5J	5U	5U	5U	0.56J	5U	0.34J	0.47J	0.49J	0.55	0.39J	0.42J
Toluene	1000	0.5U	0.5U	5U	5U	5U	5U	5.4	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.28J	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.13J	0.35J	0.22J	0.22J
Trichloroethene	5	2.6	1.7	2.7J	2.6J	2.9J	5U	1.1J	1.4J	5U	0.74	0.77	0.78	0.93	0.63	1.2

	EPA Sample ID	E3WQ0	E5287	E52B7	E52G0	E52J2	E52Q5	E52R1	E3XA4	E3XE5	E3XJ4	E3XL3	E3XN2	E3XR7	E3XT6	E3XY4
	Station Location	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D	A4-MLW01D
	Date	2/10/2010	6/15/2010	10/7/2010	1/12/2011	4/19/2011	10/11/2011	1/11/2012	7/26/2012	1/15/2013	7/22/2013	12/17/2013	5/21/2014	12/16/2014	5/21/2015	4/5/2016
Analyte Name	**RG**															
1,1,1-Trichloroethane	200	7.9	5.6	8.1	7.5	9	2.8J	2.8J	4.8J	5.9	3.1	3.9	5	5.5	4.8	5.4
1,1-Dichloroethane	1400	7.5	4.4	7.3	6	5.3	2.9J	3.1J	4.6J	5.8	4.3	4.9	6.9J	9.1	10	7.6
1,1-Dichloroethene	7	0.5U	1.2J	5U	5U	5U	5U	5U	5U	5U	0.88	4.9	1.1J	1.3	1.4	0.5U
1,4-Dioxane	7.7	NA	NA	6.6J	100R	100R	100U	100R	100R	100U	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	70	3.4	2.8J	5J	4.2J	4.1J	5U	2.2J	2.2J	2.1J	1.7	1.6	1.7J	2.3	2.2	1.7
Dichlorodifluoromethane (Freon 12)	1400	0.87	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.39J	0.39J	0.55J	0.45J	5U	5U	5U	0.51J	5U	0.26J	0.61	0.54J	0.59	0.47J	0.45J
Toluene	1000	0.5U	0.5U	5U	5U	5U	5U	5.5	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.25J	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.14J	0.31J	0.25J	0.23J
Trichloroethene	5	2.1	1.6	2.7J	2.7J	2.8J	5U	1.1J	1.5J	5U	0.82	0.81	0.8J	0.94	0.65	1
Trichlorofluoromethane (Freon 11)	2100	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.19J	0.21J	0.15J	0.5U

	EPA Sample ID	E3WQ1	E5288	E52B8	E52G1	E52J3	E52Q6	E52R2	E3XA3	E3XE6	E3XL4
	Station Location	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E	A4-MLW01E
	Date	2/10/2010	6/15/2010	10/7/2010	1/12/2011	4/19/2011	10/11/2011	1/11/2012	7/26/2012	1/15/2013	12/17/2013
Analyte Name	**RG**										
1,1,1-Trichloroethane	200	**2300D**	**1800D**	**840J**	**1200D**	**300**	180	200	**920D**	**4200D**	**5700**
1,1-Dichloroethane	1400	57	81J	38	36	32	16	25	16	170	250U
1,1-Dichloroethene	7	**19J**	**92J**	**15**	6.8J	5.3J	5U	5U	**7.4**	**25J**	250U
1,2-Dichlorobenzene	600	2.5U	0.49J	0.93J	10U	25U	5U	5U	5U	25U	250U
1,4-Dioxane	7.7	NA	NA	5.3J	200R	500R	100U	100R	100R	500U	5000R
2-Butanone	4200	25U	11J	4J	20U	7.8J	10U	10U	10U	50U	500U
Acetone	6300	25U	800U	20U	20U	50U	31	10U	10U	50U	500U
cis-1,2-Dichloroethene	70	20J	33J	15	10	16J	11	28	14	16J	250U
Dichlorodifluoromethane (Freon 12)	1400	5.2	80U	5U	10U	25U	5U	5U	5U	25U	250U
Ethyl Benzene	700	10	9.4	15	11	10J	4.6J	14	8.4	14J	250U
Isopropyl Benzene	700	6.7	5.1	9.7	8.9J	7.7J	3.6J	8.4	9.6	25U	250U
Methyl Acetate	--	2.5U	20J	5U	10U	25U	71	180	8.2	50U	250U
Methylcyclohexane	--	0.64J	0.5UJ	1.2J	0.89J	25U	5U	5U	0.77J	25U	250U
Tetrachloroethene	5	**22**	**16**	**30**	**25**	**18J**	**6.2**	3.7J	**9**	25U	250U
Toluene	1000	2.5U	0.92	0.71J	1.7J	25U	3.9J	5.5	1.5J	25U	250U
Trichloroethene	5	3.3	1.5	2.5J	4.5J	25U	5U	5U	3J	**12J**	250U
Xylene (Total)	10,000	49	53J	61	48	46J	22.4	60	49	78	250U

Notes:

All results in micrograms per liter

Remediation goals from Record of Decision or Class I Groundwater Standard from 35 IAC 620.410

Shaded results exceed remediation goal

* Remediation goal from TACO (35 IAC 742)

-D = Duplicate sample

D = Diluted sample result

U = Not detected at value shown

J = Estimated result

R = Rejected

Table 6
Comprehensive Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3WN4	E3WQ2	E5289	E52B9	E52C0	E52G2	E52G3	E52J6	E52J7	E52M3	E52Q7	E52Q1	E3XA8	E3XF0	E3XJ6	E3XL8	E3XN9	E3XS4	E3XW3	E3XY9	E3Y16
	Station Location	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A-D	A4-MW022A	A4-MW022A-D	A4-MW022A	A4-MW022A-D	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW22A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A	A4-MW022A
	Date	11/11/2009	2/11/2010	6/14/2010	10/7/2010	10/7/2010	1/13/2011	1/13/2011	4/18/2011	4/18/2011	7/19/2011	10/11/2011	1/10/2012	7/25/2012	1/15/2013	7/22/2013	12/18/2013	5/21/2014	12/16/2014	5/20/2015	4/6/2016	10/3/2016
Analyte Name	**RG (ug/L)**																					
1,1,1-Trichloroethane	200	99D	47	48	48	48	35	33	33	26	15	20	15	13	9.3	4.9	6.1	4.1	3.8	2.1	4.6	0.69
1,1-Dichloroethane	1400	4.6	2.8	1.3	1.4J	1.5J	2.4J	2.1J	1J	0.95J	5U	5U	5U	5U	5U	0.52	0.64	0.12J	0.5U	0.65	0.58	0.5U
1,1-Dichloroethene	7	3.3J	0.5U	1	5U	5U	1.5J	1.4J	5U	1.3J	5U	5U	5U	5U	5U	0.77	0.5U	0.5U	0.17J	0.5U	0.5U	0.5U
Acetone	6300	10U	5U	5U	10U	10U	10U	20U	20U	20U	20U	24	10U	10U	10U	5U	5U	5U	5U	5U	5U	5U
Chloroethane	--	0.043J	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	2.3J	1.5	0.77	0.89J	0.85J	1.8J	1.6J	0.7J	0.8J	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.13J	0.5U
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.92	0.5U	0.5U
Tetrachloroethene	5	0.29J	0.23J	0.5U	5U	5U	0.19J	5U	5U	0.62J	5U	5U	5U	5U	5U	0.5U	0.22J	0.057J	0.5U	0.5U	0.5U	0.5U
Toluene	1000	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.1J	5U	0.5U	0.25J	1.1U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	0.097J	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Trichloroethene	5	1.6	1.3J	0.73	0.66J	0.66J	5U	5U	0.83J	0.82J	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.11J

	EPA Sample ID	E3WN3	E5290	E52C1	E52G4	E52J8	E52M4	E52Q8	E52Q9	E52Q0	E3XA9	E3XB0	E3XF1	E3XJ7	E3XL9	E3XO1	E3XS5	E3XW4	E3XZ0	E3Y17
	Station Location	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW22B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B	A4-MW022B
	Date	11/11/2009	6/14/2010	10/6/2010	1/13/2011	4/18/2011	7/19/2011	10/11/2011	10/11/2011	1/10/2012	7/25/2012	7/25/2012	1/15/2013	7/22/2013	12/18/2013	5/21/2014	12/16/2014	5/20/2015	4/6/2016	10/3/2016
Analyte Name	**RG**																			
1,1,1-Trichloroethane	200	12J	5	7.7	6.4	6.7	4.4J	2.7J	2.9J	5.1	6	5.8	5.4	4	4.4	6.6	7	7.5	8.5	7.6
1,1-Dichloroethane	1400	9.9	4	7.6	6.4	5.9	5.4	3.7J	3.8J	6.6	6.9	7	8	6.9	6.1	8.6	9.8	11	9.6	9.5
1,1-Dichloroethene	7	0.5U	1	5U	1.5J	1.5J	5U	5U	5U	5U	5U	5U	5U	0.98	0.72	0.95	1.5	1.4	0.5U	1.6
1,4-Dioxane	7.7	NA	NA	**8.9J**	100R	100R	100R	100U	100U	100R	100R	100R	100UJ	NA	NA	NA	NA	NA	NA	NA
Acetone	6300	5U	5U	20U	20U	20U	20U	24J	20	10U	10U	20U	10U	5U	5U	5U	5U	5U	5U	5U
cis-1,2-Dichloroethene	70	12	3.1	5.4	3.7J	3.6J	2.8J	5U	5U	3.3J	2.6J	2.8J	2.2J	1.8	1.6	1.8	2.1	2.4	1.9	1.8
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	5.9	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.13J	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.49J	0.3J	5U	0.31J	0.61J	0.32J	5U	5U	5U	5U	0.51J	5U	0.3J	0.55	0.4 J	0.44J	0.38J	0.43J	0.37J
Toluene	1000	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	0.92J	0.91J	5U	0.5U	0.58	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.21J	0.39J	0.3J	0.3J	0.29J
Trichloroethene	5	3.7	1.4	2.2J	5U	1.7J	1.2J	5U	5U	1.2J	1.2J	1.3J	5U	0.85	0.74	1	1.3	0.95	1.5	1.2
Trichlorofluoromethane (Freon 11)	2100	0.5UJ	0.5U	5U	0.25J	5U	5U	5U	5U	5U	0.71J	0.72J	5U	0.5U	0.5U	0.54	0.5J	0.35J	0.31J	0.4J
Xylene (Total)	10,000	0.5U	0.5U	5U	5U	5U	0.15J	5U	5U	5U	0.28J	5U	5U	0.22J	1.34	0.5U	0.5U	0.5U	0.66	0.5U

	EPA Sample ID	E3WN5	E3WQ3	E5291	E52C4	E52G5	E52J9	E52M5	E52R0	E52P7	E3XB1	E3XF2	E3XF3	E3XK1	E3XK2	E3XM0	E3XM1	E3XO6	E3XR1	E3XR2	E3XT0	E3XT1	E3XZ1
	Station Location	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW32	A4-MW32	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032	A4-MW032-D	A4-MW032
	Date	11/10/2009	2/10/2010	6/14/2010	10/6/2010	1/12/2011	4/18/2011	7/19/2011	10/11/2011	1/10/2012	7/25/2012	1/15/2013	1/15/2013	7/22/2013	7/22/2013	12/17/2013	12/17/2013	5/21/2014	12/16/2014	12/16/2014	5/19/2015	5/19/2015	4/5/2016
Analyte Name	**RG**																						
1,1,1-Trichloroethane	200	22D	17	11	16	14	15	8.3	7.2	8.4	8.5	9.1	9.1	4.5	4.7	5.5	5.4 J	5.1	5.3	6.2	5.6	5.3	4.8
1,1-Dichloroethane	1400	18	17	9.3	16	13	12	7.5	6.7	7.8	8.8	12	12	6.7	6.6	5.5	5.5	5.6	7.5	8	8.4	8.4	5.8
1,1-Dichloroethene	7	5.1J	1.6	2.6	5U	3.7J	1.7J	5U	5U	5U	5U	5U	5U	0.6	0.55	0.68	0.72	0.79	1.1	1.1	1.2	0.99	0.5U
Acetone	6300	5U	5U	5U	20U	20U	20U	20U	22	10U	10U	10U	10U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	0.2*	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	**0.34J**	**0.74**	**0.86**	**0.99**	**0.94**	**1.8**
Carbon Disulfide	700	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	0.16J	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5UJ
Chloroform	70	0.5U	**0.21J**	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.22J	0.5U	0.64	1.4	1.5	2.1	2.1	2.2
cis-1,2-Dichloroethene	70	36D	8.9	5.9	11	8.7	10	7.3	4.3J	7.1	3.8J	3.8J	3.8J	2.2	1.9	1.6	1.6	1.4	2	2.2	2.5	2.3	1.9
Dibromochloromethane	140*	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	0.39J	5U	5U	0.5U	0.5U	0.5U	0.5U	0.18J	0.48J	0.55	0.64	0.63	1.4
Tetrachloroethene	5	0.7	0.67	0.47J	0.7J	0.75J	1J	0.54J	5U	5U	5U	5U	5U	0.47J	0.5U	0.6	0.64	0.57	0.66	0.75	0.59	0.56	0.51
trans-1,2-Dichloroethene	100	0.6J	0.79	0.32J	0.56J	0.42J	0.83J	0.63J	5U	5U	5U	5U	5U	0.33J	0.27J	0.5U	0.5U	0.15J	0.27J	0.34J	0.21J	0.24J	0.5U
Trichloroethene	5	**9.3**	**7.8**	**5.4**	**8**	**8.1**	**8.1**	**5.1**	2.8J	5	4.3J	3.8J	3.8J	2	2	2.1	2.1	1.4	1.6	1.8	1.4	1.2	1.4

	EPA Sample ID	E3XZ2	E3Y08
	Station Location	A4-MW032-D	A4-MW032
	Date	4/5/2016	10/3/2016
Analyte Name	**RG**		
1,1,1-Trichloroethane	200	5.8	4.5
1,1-Dichloroethane	1400	5.7	5.7
1,1-Dichloroethene	7	0.5U	1.1
Acetone	6300	5U	5U
Bromodichloromethane	0.2*	**1.8**	**0.94**
Carbon Disulfide	700	0.5U	0.5U
Chloroform	70	2.1	1.4
cis-1,2-Dichloroethene	70	1.7	1.6
Dibromochloromethane	140*	1.3	0.63
Tetrachloroethene	5	0.63	0.6
trans-1,2-Dichloroethene	100	0.21J	0.5U
Trichloroethene	5	1.7	1.3

Notes:

All results in micrograms per liter

Remediation goals from Record of Decision or Class I Groundwater Standard from 35 IAC 620.410

Shaded results exceed remediation goal

* Remediation goal from TACO (35 IAC 742)

-D = Duplicate sample

D = Diluted sample result

U = Not detected at value shown

J = Estimated result

R = Rejected

CDM Smith

Table 6
Comprehensive Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID	E3WN6	E3WQ4	E5292	E52C2	E52G6	E52K1	E52M6	E52R1	E52Q4	E3XB2	E3XE7	E3XJ8	E3XL5	E3XO2	E3XS6	E3XW5	E3XY6	E3Y18
	Station Location	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A	A4-MW130A
	Date	11/11/2009	2/11/2010	6/15/2010	10/7/2010	1/13/2011	4/18/2011	7/19/2011	10/12/2011	1/11/2012	7/26/2012	1/16/2013	7/22/2013	12/18/2013	5/22/2014	12/16/2014	5/21/2015	4/6/2016	10/3/2016
Analyte Name	**RG**																		
1,1,1-Trichloroethane	200	**370D**	**580D**	**520D**	**630**	**630**	**290**	140	120	130	53	64	20	11J	11	7.8	12	7.5	8
1,1,2-Trichloroethane	5	0.51	0.94	1.6	1.8J	1.1J	20U	0.5J	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,1-Dichloroethane	1400	35	39J	31	48	33	24	13	9.8	12	7.2	8.9	6.6	6.4J	8	10	11	9.3	9.6
1,1-Dichloroethene	7	**7.4J**	**13J**	**12J**	**18**	**8.5**	**9.2J**	5	5UJ	5U	5U	5U	3.4	1.2	1.3	1.7	1.2	0.5U	1.8
Bromodichloromethane	0.2*	0.5U	0.5U	0.5UJ	5U	5U	20U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.19J	0.19J	0.12J	0.5U
Carbon Tetrachloride	5	0.5UJ	**84J**	0.5U	5U	5U	20U	5U	5U	5U	5U	5U	0.5U	0.5UJ	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	14J	10J	15J	13	7.8	6.9J	4.5J	3.4J	4.7J	2.9J	2.3J	1.9	2.2	1.8	2.3	2.2	2.1	2
Dichlorodifluoromethane (Freon 12)	1400	6.3	0.5U	20U	0.58J	5U	20U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
m,p-Xylene	10,000+	0.5U	0.5U	0.5U	5U	5U	20U	5U	5U	5U	5U	5U	0.5U	1.1J	0.5U	0.5U	0.5U	0.7	0.5U
Tetrachloroethene	5	0.88	0.99	0.78	5U	0.72J	20U	0.61J	5U	5U	0.7J	5U	0.26J	0.97	0.45J	0.57	0.45J	0.44J	0.41J
Toluene	1000	0.5U	0.5U	0.5U	5U	5U	20U	5U	5U	8.2	0.54J	5U	0.5U	0.51	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.38J	0.28J	20U	5U	0.39J	20U	5U	5UJ	5U	5U	5U	0.5U	0.32J	0.17J	0.39J	0.25J	0.26J	0.23J
Trichloroethene	5	3.6	3.7	2.5	4.9J	4.1J	3.4J	2.8J	5U	2.5J	2.1J	2J	1.3	1.6	1.3	1.5	0.96	1.4	1.4
Trichlorofluoromethane (Freon 11)	2100	0.5UJ	0.5UJ	20U	5U	5U	20U	5U	5U	5U	0.25J	5U	0.5U	0.47J	0.31J	0.39J	0.21J	0.25J	0.5U

	EPA Sample ID	E3WN7	E3WN8	E3WQ5	E5293	E5294	E52C3	E52G7	E52K2	E52M7	E52R2	E52Q2	E3XB3	E3XE8	E3XE9	E3XJ9	E3Xk0	E3XL6	E3XL7	E3XO3	E3XO4	E3XS7	E3XS8
	Station Location	A4-MW130B	A4-MW130B-D	A4-MW130B	A4-MW130B	A4-MW130B-D	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B	A4-MW130B
	Date	11/11/2009	11/11/2009	2/10/2010	6/15/2010	6/15/2010	10/7/2010	1/13/2011	4/18/2011	7/19/2011	10/12/2011	1/11/2012	7/26/2012	1/16/2013	1/16/2013	7/22/2013	7/22/2013	12/18/2013	12/18/2013	5/22/2014	5/22/2014	12/16/2014	12/16/2014
Analyte Name	**RG**																						
1,1,1-Trichloroethane	200	110D	82D	**260D**	110	100	110	60	49	20	5U	17	12	8.1	13	4.6	4.4	6.1	6.4	6.5	6.4	7.4	7.5
1,1,2-Trichloroethane	5	0.18J	0.16J	0.55	0.27J	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,1-Dichloroethane	1400	16	17	19	10	10	14	11	9.9	6.2	5U	8.1	6.7	7	11	6.8	6.6	8.3	8.2	8.2	8.3	11	11
1,1-Dichloroethene	7	3.8	4.4J	6.1J	3J	3.2J	5U	2.5J	2.7J	2.1J	5U	5U	5U	5U	5U	1.1	1.2	1.4J	1.3J	1.2	1.3	1.7	1.8
1,4-Dioxane	7.7	NA	NA	NA	NA	NA	12J	100R	11J	100R	100U	100R	100R	100U	100UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.2*	0.5U	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.12J	0.12J
cis-1,2-Dichloroethene	70	8.2	8.7J	7.6J	4.7J	4.7J	7.1	4.7J	5.4	3.3J	5U	4J	3J	2.2J	2.8J	1.9	1.9	2.1J	2.1J	1.7	1.8	2.3	2.5
Dichlorodifluoromethane (Freon 12)	1400	9.1	0.5U	0.5U	0.5U	0.5U	2.6J	5U	5U	5U	5U	5U	5U	13	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.57	0.63	0.52	0.36J	0.33J	0.53J	0.4J	0.78J	0.41J	5U	5U	5U	5U	5U	0.28J	0.29J	0.49J	0.52	0.38J	0.38J	0.57	0.53
Toluene	1000	0.5U	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	6.9	0.86J	5U	5U	0.5U	0.5U	0.23J	0.5U	1.1 U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	0.4J	0.21J	0.5U	0.5U	5U	0.3J	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.28J	0.2J	0.2J	0.39J	0.44J
Trichloroethene	5	3.6	4.1	3.1	1.9	1.8	3.2J	3.1J	3J	1.7J	5U	1.7J	1.5J	5U	5U	1.1	0.97	1.2	1.3	1	1	1.5	1.6
Trichlorofluoromethane (Freon 11)	2100	0.5U	0.5UJ	0.17J	0.5U	0.5U	5U	5U	5U	5U	5U	5U	0.54J	5U	5U	0.5U	0.5U	0.5U	0.64	0.42J	0.49J	0.39J	0.43J

	EPA Sample ID	E3XW6	E3XW7	E3XY7	E3XY8	E3Y19
	Station Location	A4-MW130B	A4-MW130B-D	A4-MW130B	A4-MW130B-D	A4-MW130B
	Date	5/21/2015	5/21/2015	4/6/2016	4/6/2016	10/3/2016
Analyte Name	**RG**					
1,1,1-Trichloroethane	200	7.4	7.6	7.6	7.3	8.6
1,1,2-Trichloroethane	5	0.5U	0.5U	0.5U	0.5U	0.5U
1,1-Dichloroethane	1400	11	12	10	9.8	11
1,1-Dichloroethene	7	1.5	1.6	0.5U	0.5U	1.9
1,4-Dioxane	7.7	NA	NA	NA	NA	NA
Bromodichloromethane	0.2*	0.5U	0.5U	0.11J	0.1J	0.5U
cis-1,2-Dichloroethene	70	2.4	2.3	2.2	2.1	2.2
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.34J	0.34J	0.43J	0.37J	0.38J
Toluene	1000	0	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	12	0.31J	0.23J	0.28J
Trichloroethene	5	0.95	0.97	1.4	1.4	1.4
Trichlorofluoromethane (Freon 11)	2100	0.34J	0.35J	0.29J	0.27J	0.34J

	EPA Sample ID	E3WN9	E3WQ6	E3WQ7	E5295	E52C5	E52C6	E52G8	E52K3	E52M8	E52M9	E52R3	E52P9	E3XB4	E3XF4	E5296	E3XK3	E3XM2	E3XN4	E3XR9	E3XT8	E3XZ3	E3Y11
	Station Location	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A-D	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A	A4-MW401A
	Date	11/11/2009	2/11/2010	2/11/2010	6/14/2010	10/6/2010	10/6/2010	1/12/2011	4/18/2011	7/19/2011	7/19/2011	10/11/2011	1/10/2012	7/25/2012	1/15/2013	6/14/2010	7/22/2013	12/17/2013	5/21/2014	12/16/2014	5/20/2015	4/5/2016	10/3/2016
Analyte Name	**RG**																						
1,1,1-Trichloroethane	200	**320D**	8.7	8.9	5.9	9.9	9.9	9.6	10	4.7J	4.7J	3.3J	5.8	8.5	13	5.9	8.6	6.4	16	9.8	9.4	12	4.2
1,1-Dichloroethane	1400	16	7.2	7.5	4.8	8.6	8.4	5U	8.5	5.3	5.4	3.9J	6.1	4.8J	3.9J	5	0.36J	4.9J	0.25J	0.5J	5.5	6.8	4.4
1,1-Dichloroethene	7	**11J**	1.5	0.5U	1.1	5U	5U	5U	1.3J	5U	1.7J	5UJ	5U	5U	5U	1.3J	0.84	0.7	0.5U	0.5U	0.94	0.5U	0.88
1,4-Dioxane	7.7	NA	NA	NA	NA	**13J**	100R	100R	100R	100R	100R	100U	100R	100R	100U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	6300*	5U	5U	5U	5U	20U	10U	20U	20U	20U	20U	10U	10U	20U	10U	5U	5U	5U	5U	5U	5U	2.5J+	5U
Bromodichloromethane	0.2*	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5UJ	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.15J	0.5U
Chloromethane	-	1.2	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene	70	1.8J	4.8	4.9	3.3	5.9	5.8	5U	5.4	3.4J	3.4J	5U	3.5J	1.9J	5U	3.6J	0.5U	1.4	0.5U	0.5U	1.2	1.6	1
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	0.5U	0.5U	0.67J	0.62J	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.81	0.22J	0.23J	0.27J	5U	5U	5U	0.54J	0.28J	0.28J	5U	5U	5U	5U	0.25J	0.5U	0.37J	0.09J	0.15J	0.33J	0.22J	0.14J
Toluene	1000	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	0.63J	5U	0.5U	0.5U	0.28J	0.5U	0.5U	0.5U	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.5U	0.18J	0.19J	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.18J	0.5U
Trichloroethene	5	**6.3**	2.3	2.3	2	3.1J	3.1J	5U	3.1J	1.7J	1.7J	5U	1.5J	1.3J	5U	1.8	0.5U	1.1	0.26J	0.2J	0.75	0.86	0.48J
Trichlorofluoromethane (Freon 11)	2100	0.5UJ	0.13J	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	0.29J	5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Xylene (Total)	10,000	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	0.17J	0.27J	5U	5U	0.22J	5U	0.5U	0.5U	0.34J	0.5U	0.5U	0.5U	0.77	0.5U

Notes:

All results in micrograms per liter

Remediation goals from Record of Decision or Class I Groundwater Standard from 35 IAC 620.410

Shaded results exceed remediation goal

* Remediation goal from TACO (35 IAC 742)

mple

D = Diluted sample result

U = Not detected at value shown

J = Estimated result

R = Rejected

CDM Smith

Table 6
Comprehensive Compounds Exceeding Remediation Goals
Souce Area 4 GMZ 2015-2016 Report
Southeast Rockford Groundwater Contamination Superfund Site

	EPA Sample ID Station Location Date	E3WP0 A4-MW401B 11/11/2009	E3WQ8 A4-MW401B 2/10/2010	E3WQ9 A4-MW401B 2/10/2010	E5297 A4-MW401B 6/14/2010	E52C7 A4-MW401B 10/6/2010	E52G9 A4-MW401B 1/13/2011	E52H0 A4-MW401B 1/13/2011	E52K4 A4-MW401B 4/18/2011	E52N0 A4-MW401B 7/19/2011	E52R4 A4-MW401B 10/11/2011	E52R5 A4-MW401B 10/11/2011	E52P8 A4-MW401B 1/10/2012	E52Q6 A4-MW401B 1/10/2012	E52Q7 A4-MW401B 1/10/2012	E3XB5 A4-MW401B 7/25/2012	E3XB6 A4-MW401B 7/25/2012	E3XF5 A4-MW401B 1/15/2013	E3XK4 A4-MW401B 7/22/2013	E3XM3 A4-MW401B 12/17/2013	E3XN5 A4-MW401B 5/21/2014	E3XS0 A4-MW401B 12/16/2014	E3XT9 A4-MW401B 5/20/2015
Analyte Name	**RG**																						
1,1,1-Trichloroethane	200	15	12J	10	6.1	10	9.2	8.8	10	6.3	4.6J	4J	6.6	8.1	6.9	6.7	6.2	7.2	4.3	5.3	6.2	8	7.1
1,1-Dichloroethane	1400	16	10	9.5	5.2	10	8.8	8.4	8.2	6.6	5.1	4.6J	6.6	8.2	7.9	7	6.4	8.5	7	6.8	8.6	12	11
1,1-Dichloroethene	7	0.5U	2	0.5U	1	5U	1.7J	1.9J	1.4J	1.9J	5U	5U	5U	5U	5U	5U	5U	5U	1.2	0.78J	1.3J	2	1.6
1,2,3-Trichlorobenzene	--	0.5U	0.5U	0.5U	0.5U	5UJ	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.32J
1,2,4-Trichlorobenzene	70*	0.5U	0.5U	0.5U	0.5U	5UJ	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.21J
Bromodichloromethane	0.2*	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5UJ	0.5U	0.5U	0.13J
cis-1,2-Dichloroethene	70	34D	7.1	6.7	3.8	6.8	5.2	5J	5.3	4J	3.2J	2.7J	4.1J	5J	3.6J	3J	2.9J	2.8J	2.2	1.9	1.9	2.7	2.5
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	0.5U	0.5U	0.74J	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.5U	0.5U	0.5U
Tetrachloroethene	5	0.45J	0.38J	0.33J	0.5U	5U	0.35J	0.35J	5U	0.34J	5U	5U	5U	5U	5U	0.57J	5U	5U	0.29J	0.72	0.4J	0.53	0.4J
Toluene	1000	0.5U	0.5U	0.5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5.7	5.8	0.72J	0.69J	5U	0.51J	0.29J	0.5U	2.3U	0.5U
trans-1,2-Dichloroethene	100	0.46J	0.27J	0.27J	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.18J	0.47J	0.28J
Trichloroethene	5	4.8	3.7	3.3	1.8	3.4J	3.2J	3.3J	3J	2.5J	5U	5U	2.5J	2.9J	1.4J	2.2J	2.1J	2J	1.3J	1.3	1.2	1.7	1.2
Trichlorofluoromethane (Freon 11)	2100	0.5U	0.5UJ	0.5U	0.5U	5U	0.14J	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	0.5U	0.5U	0.36J	0.43J	0.21J

	EPA Sample ID Station Location Date	E3XZ4 A4-MW401B 4/5/2016	E3Y12 A4-MW401B 10/3/2016
Analyte Name	**RG**		
1,1,1-Trichloroethane	200	6.3	8
1,1-Dichloroethane	1400	11	11
1,1-Dichloroethene	7	0.5U	0.5U
1,2,3-Trichlorobenzene	--	0.5U	0.5U
1,2,4-Trichlorobenzene	70*	0.5U	0.5U
Bromodichloromethane	0.2*	0.14J	0.5U
cis-1,2-Dichloroethene	70	2.4	2.4
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U
Tetrachloroethene	5	0.31J	0.4J
Toluene	1000	0.5U	0.5U
trans-1,2-Dichloroethene	100	0.23J	0.32J
Trichloroethene	5	1.3	1.4
Trichlorofluoromethane (Freon 11)	2100	0.22J	0.5U

	EPA Sample ID Station Location Date	E3XH7 A4-MW403 7/22/2013	E3XM5 A4-MW403 12/17/2013	E3XM7 A4-MW403 5/21/2014	E3XM6 A4-MW403 5/21/2014	E3XR3 A4-MW403 12/16/2014	E3XT2 A4-MW403 5/19/2015	E3XZ5 A4-MW403 4/5/2016	E3Y10 A4-MW403 10/3/2016
Analyte Name									
1,1,1-Trichloroethane	200	24D	13	12	14	42D	3.9	70D	12
1,1-Dichloroethane	1400	7.7	3.1J	4.7	5.8J	14	6.7	20	2.7
1,1-Dichloroethene	7	2.6	0.39J	0.55	0.67J	1.3	0.73	4.1	0.99J-
Acetone	6300*	5U	5U	10U	5U	5U	5U	5U	3.3J
Chloromethane	-	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.27J
cis-1,2-Dichloroethene	70	0.98	0.91	1	1.3J	1.6	1.6	1	0.59J-
Dichlorodifluoromethane (Freon 12)	1400	0.5U	0.5U	0.5U	0.5U	0.5U	0.38J	0.5U	0.5U
Tetrachloroethene	5	0.5U	0.25J	0.32J	0.39J	0.45J	0.37J	0.22J	0.19J
Toluene	1000	0.5U	0.38J	0.5U	0.5U	2.3U	0.5U	0.5U	0.5U
trans-1,2-Dichloroehene	100	0.5U	0.5U	0.077J	0.094J	0.2J	0.5U	0.5U	0.5UJ
Trichloroethene	5	0.58	0.79	0.67	0.8	0.89	0.53	0.55	0.33J
Xylene (total)	10,000	0.32J	0.39J	0.5U	0.5U	2.3	0.5U	0.5U	0.1J

Notes:

All results in micrograms per liter

Remediation goals from Record of Decision or Class I Groundwater Standard from 35 IAC 620.410

Shaded results exceed remediation goal

* Remediation goal from TACO (35 IAC 742)

-D = Duplicate sample

D = Diluted sample result

U = Not detected at value shown

J = Estimated result

R = Rejected

Appendix A

Groundwater Sampling Sheets

Appendix A – Groundwater Sampling Sheets

First 2015 Semiannual, May 2015

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/28/15

WELL #: MW - 22B

TIME: 1105

DEPTH OF PUMP:

WEATHER CONDITIONS: raining, hailing, 45°F 22.06

SAMPLERS: J. Grabs, N. Gyourko

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
3		22.6	500	0	6.98	1.05	545	10.45	12.26	57
5		22.6	500	0	7.01	1.13	112	4.09	12.66	61
5		22.6	500	0	7.05	1.14	16.6	3.32	12.78	67
5		22.6	500	0	7.10	~~1~~ 1.15	0.0	2.73	12.81	76
5		22.6	500	0	7.10	1.15	0.0	2.31	12.78	77

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

* MW-22B sample taken at 1145 *

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/21/15 **WELL #:** MLW01-A ~~MLW01-E~~ JM- 5/21/15

TIME: 07:55 **DEPTH OF PUMP:**

WEATHER CONDITIONS: Mostly cloudy, 50°F, slight breeze **SAMPLERS:** J. Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
~~8:10~~ 15					6.94	1.26	1.7	7.39	11.78	187
8:15					6.92	1.24	0.9	5.77	11:85	174
8:20					6.93	1.23	0.0	4.93	11.89	169
8:25					6.94	1.23	—	4.14	11.93	142
8:30					7.05	1.23	-0-	3.49	11.91	122
8:35					6.92	1.23	-0-	2.99	11.92	103
8:40					7.03	1.23	-0-	2.56	11:91	90
8:45					7.00	1.23	-0-	1.98	11.93	84
8:50					6.96	1.22	-0-	1.59	11.94	80
8:55					7.07	1.23	-0-	1.21	11.93	81
9:00					6.95	1.23	-0-	0.81	11.97	74
9:05					7.10	1.23	-0-	1.35	12.01	72

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

09:10 SAMPLE

Don't know what happened w/ DO

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/21/15 **WELL #:** MLW01-B

TIME: 09:25 **DEPTH OF PUMP:**

WEATHER CONDITIONS: Partly cloudy, 50°F **SAMPLERS:** J. Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
09:35					7.09	1.31	-0-	0.26	12.08	104
09:40					7.23	1.31	-0-	0.02	12.10	126
09:45					7.20	1.31	-0-	-0-	12.16	134
09:50					7.17	1.31	-0-	0-0	12.25	137
09:55					7.22	1.31	-0-	-0-	12.35	129

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/27/15 **WELL #:** MLW01C

TIME: 10:20 **DEPTH OF PUMP:**

WEATHER CONDITIONS: mostly sunny, 55°F, slt. breeze **SAMPLERS:** J. Grobs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
10:30					7.34	1.31	-0-	1.58	12.71	88
10:35					7.26	1.30	-0-	0.67	12.80	104
10:40					7.38	1.30	-0-	0.50	12.79	122
10:45					7.29	1.30	-0-	0.38	12.88	131
10:50					7.22	1.30	-0-	0.40	12.94	129
10:55					7.23	1.30	-0-	0.40	12.97	134
11:00	SAMPLE									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/21/15 **WELL #:** MLW01D

TIME: 11:05 **DEPTH OF PUMP:**

WEATHER CONDITIONS: **SAMPLERS:** J. Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
11:15					7.35	1.27	-0-	0.72	13.51	62
11:20					7.40	1.28	-0-	0.62	13.52	69
11:25					7.38	1.28	-0-	0.66	13.55	75
11:30					7.41	1.27	--0	0.62	13.62	76
11:35	SAMPLE									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Initial DTW 26.10'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/21/15

WELL #: MW130A

TIME: 7:22

DEPTH OF PUMP:

WEATHER CONDITIONS: 43°F

SAMPLERS: Grebs/Gyourgis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
7:25		26.10	300	–	6.97	1.13	465	13.44	9.93	69
7:30		26.11		+.01	7.14	1.17	278	2.31	11.19	60
7:37		26.11		–	7.18	1.18	147	1.75	11.50	90
7:42		26.34		–	7.18	1.18	153	1.64	11.47	103
7:50		26.56			7.20	1.18	49.4	1.52	11.52	115
7.58					7.21	1.18	33.9	2.29	11.55	116

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

0805 sample time

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/19/15

WELL #: MW032

TIME: 13:20

DEPTH OF PUMP:

WEATHER CONDITIONS:

SAMPLERS: Grabs / Gyorgis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
13:23					7.14	1.15	17.5	4.63	13.05	83
13:28					7.13	1.15	7.1	4.26	13.21	85
13:33		30.53	450		7.12	1.15	3.3	4.01	13.31	90
13:41	5 Gal	30.53	450	0	7.14	1.15	1.1	3.61	13.40	84

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/19/15 **WELL #:** MW-403

TIME: 15:08 **DEPTH OF PUMP:** mid screen

WEATHER CONDITIONS: Clear 52°F **SAMPLERS:** Grobs / Gyoogis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15:13		28.70	300		7.14	1.14	222	4.30	14.15	122
15:18		28.70	300	-	7.14	1.18	134	3.61	14.50	127
15:23		28.70	300	-	7.15	1.20	89.3	3.10	14.96	130
15:28		28.70	300	-	7.14	1.21	57.3	2.69	14.55	133
15:33		28.70	300	-	7.13	1.21	40.4	2.41	14.83	137
15:38		28.72	300	+.02	7.15	1.22	29.0	3.25	14.94	144
15:43		28.72	300	-	7.15	1.23	21.6	[illegible]	14.77	145
15:48		28.73	300	+.01	7.14	1.23	17.0	1.91	14.83	145
15:53		28.73	300	-	7.14	1.23	16.2	1.79	14.85	147

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Initial DTW 25.63'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5-21-15

WELL #: MW 130B

TIME: 0720

DEPTH OF PUMP: mid screen

WEATHER CONDITIONS: 50° farenheit

SAMPLERS: J. Rakowski, J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
10		25.67	300	.04	7.14	1.17	197	3.22	11.75	244
20		25.68	300	.05	7.14	1.16	83.6	2.61	12.50	235
30		25.68	300	.05	7.14	1.15	21	2.20	12.62	229
39		25.68	300	.05	7.14	1.15	4.3	1.98	12.80	225
42		25.68	300	.05	7.14	1.15	6.5	1.95	12.92	226
45		25.68	300	.05	7.14	1.13	2.1	1.84	13.20	227

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

sample time: 0750

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/20/15 WELL #: MW-22A

TIME: 1105 DEPTH OF PUMP:

WEATHER CONDITIONS: Raining, hailing 45°F 28.28 SAMPLERS: J. Grabs, N. Gyourgis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
3		28.27	425	-.01	7.25	.897	171	6.53	9.55	297
5	2gal	28.25	425	~~+.02~~ .01	7.23	.910	106	5.55	9.11	299
5			425		7.21	.909	66.8	5.28	9.35	299
5			425		7.20	.908	45.3	5.11	9.48	300
5			425		7.18	.910	38.4	4.63	9.39	301

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

* MW-22A sample taken at 1145

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/20/15 **WELL #:** MW-401A

TIME: 0900 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 50°F, overcast 28.20' **SAMPLERS:** J. Grabs, N. Gyourgis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
3	.25 gal	28.20	300 mL	0	7.15	1.12	775	5.48	11.09	282
5	1 gal	28.20	300 mL	0	7.15	1.10	620	5.51	11.57	283
5	1.5 gal	28.20	300 mL	0	7.15	1.09	360	5.51	11.59	286
5	2 gal	28.20	300 mL	0	7.12	1.08	164	5.50	11.61	290
5	3 gal	28.20	300 mL	0	7.08	1.08	88.6	5.44	11.59	295
5	4 gal	28.20	300 mL	0	7.12	1.07	42.3	5.68	11.58	289
5	4.5 gal	28.20	300 mL	0	7.13	1.07	32.9	5.49	11.58	291
5	5 gal	28.20	300 mL	0	7.13	1.07	23.8	5.39	11.61	293

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

*MW-401A sample taken at 10:00

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 5/20/15 **WELL #:** MW-401B

TIME: 0805 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 45°F Cloudy, 28.20 **SAMPLERS:** J. Grabs, N. Gyourgis

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
3	.5 gal	28.20	~~300~~ 450	0	7.04	1.24	30.1	9.88	11.05°C	225
3	1 gal	28.20	450	0	7.13	1.22	12.5	8.89	11.11°C	226
3	1.5 gal	28.20	450	0	7.14	1.22	12.4	8.63	11.23°C	228
5	2 gal	28.20	450	0	7.14	1.22	9.9	8.38	11.42°C	229

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

* MW-401B sample taken: 0825 *

Appendix A – Groundwater Sampling Sheets

First 2016 Semiannual, April 2016

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-5-2016 **WELL #:** MW-403

TIME: 1400 Sample time **DEPTH OF PUMP:** mid screen

WEATHER CONDITIONS: 40°F **SAMPLERS:** J. Rakowski

Start Pump 1306 DTW tic 27.20

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1309		27.20	250	0	7.30	1.13	118	6.50	10.29	198
1319		27.20	250	0	7.24	1.11	79	6.11	10.55	184
1324		27.20	250	0	7.19	1.09	67.1	5.62	10.70	178
1332		27.20	250	0	7.22	1.10	54.9	5.40	10.88	177
1342		27.20	250	0	7.22	1.11	47.9	5.33	10.88	177
1352		27.20	250	0	7.22	1.12	46	5.07	10.69	178
1358	3 gallons	27.20	250	0	7.22	1.13	43.8	5.10	10.89	181

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-5-2016 **WELL #:** MW-32

TIME: 1210 Sample time **DEPTH OF PUMP:** mid Screen

WEATHER CONDITIONS: 40° Farenheit **SAMPLERS:** J. Rakowski

1125 Start Pumping Pre Purge DTW tic 28.94

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1135		28.96	350	.02	7.22	1.12	47.3	6.41	10.82	172
1145		28.96	350	.02	7.20	1.10	40.9	6.31	10.87	171
1153			350	.02	7.23	1.10	32.7	5.42	10.94	171
1200			350	.02	7.26	1.10	19.4	4.89	10.92	166
1204			350	.02	7.26	1.10	16.9	4.78	11.05	166
1207	2.5 gallons		350	.02	7.26	1.10	14.8	4.76	11.08	165

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

P: 2781.0

T: 11.5

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4/5/2016 **WELL #:** MLW-01A Port 1

TIME: 1300 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 45 F Clear **SAMPLERS:** C. Cox, J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1311					7.20	1.24	2.3	0.0	12.00	164
1316					7.18	1.23	1.9	0.0	11.98	172
1321					7.19	1.22	1.7	0.0	11.99	178
1326					7.20	1.22	1.3	0.0	11.83	180
	1326 A4-MLW01A-160405 sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Discharge ≈ 2 gal

Throttle < 40 psi
refill/ 15 sec
Discharge 3 sec

REV 5/01

P: 2834.5 Hz

T: 11.5 °C

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4/5/16 **WELL #:** MLW-01 B Port 2

TIME: 1330 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 45 F cloudy **SAMPLERS:** C. Cox, J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1335					7.20	1.29	1.4	0.0	11.89	190
1340					7.26	1.30	1.5	0.0	11.87	195
1345					7.23	1.30	1.5	0.0	12.02	185
1350										
	1350		A4-MLW01B-		160405	Sample				

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Discharge ≈ 1.5

Throttle 40 psi

Refill >13

Discharge 11

REV 5/01

P: 2874.1 Hz

T: 11.4 °c

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4/5/16 **WELL #:** MLW-01C Part 3

TIME: 1400 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 45°F overcast **SAMPLERS:** C. Cox, J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1405					7.27	1.34	0.4	0.0	11.87	220
1410					7.29	1.30	0.3	0.0	11.79	259
1415					7.28	1.35	0.3	0.0	11.79	260
1420					7.30	1.34	0.2	0.0	11.82	254
	1420		A4-MLW01C-160405				Sample			

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Throttle 40 psi

Discharge ≈ 1 gal

Refill 10

Discharge 9

REV 5/01

P: 2945.2 Hz

T: 11.7 °c

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4/5/16 **WELL #:** MLW-01 Port 4

TIME: 1430 **DEPTH OF PUMP:**

WEATHER CONDITIONS: ~40°F overcast **SAMPLERS:** A. Cox, J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1435					7.35	1.39	0.3	0.0	11.89	248
1440					7.37	1.38	0.3	0.0	11.86	243
1445					7.40	1.37	0.3	0.0	11.88	238
		1445								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Discharge

throttle<40psi
Refill 6s
Discharge (Run) 4s

REV 5/01

P: 2959.1 HZ

T: 11.9 °C

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4/5/16

WELL #: MLW-01

Port: 5

TIME:

DEPTH OF PUMP:

WEATHER CONDITIONS:

SAMPLERS: C. Cox

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)

Not Sampled / Not Working

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-5-16 **WELL #:** MW-401B

TIME: 1630 Sample time **DEPTH OF PUMP:** mid screen

WEATHER CONDITIONS: 40°F **SAMPLERS:** J. Rakowski

Pre purge dtw

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1610		26.64	300		7.53	1.21	57.7	0	11.86	147
1620		26.64	300		7.53	1.21	8	0	11.99	134
1623		26.64	300		7.52	1.21	6.6	0	12.05	132
1626	1.5 gal	26.64	300		7.53	1.21	4.7	0	12.08	130

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-5-2016

WELL #: MW-401A

TIME:

DEPTH OF PUMP: mid screen

WEATHER CONDITIONS:

SAMPLERS: J. Rakowski, J McCane

Pre-purge DTW+ic 26.64'

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1434		26.64	250	0	7.35	1.21	810	5.46	10.32	202
1444		26.64	250	0	7.32	1.21	587	3.76	9.56	199
1529		26.64	250	0	7.30	1.20	743	5.00	10.15	125
1534		26.64	250	0	7.29	1.21	703	3.81	10.55	78
1539		26.64	250	0	7.31	1.21	644	3.78	11.91	70
1544		26.64	250	0	7.31	1.20	680	3.81	11.67	91
1549		26.64	250	0	7.32	1.20	563	3.70	11.43	88
1554		26.64	250	0	7.31	1.20	518	3.64	11.49	73
1604		26.64	250	0	7.29	1.19	367	4.14	12.14	74
1614		26.64	250	0	7.26	1.19	309	3.88	11.40	144
1644		↓	↓	↓	7.27	1.16	107	4.06	11.25	134
		↓	↓	↓	7.27	1.16	60	3.69	11.19	129

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Sample time 1730

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-6-2016 **WELL #:** MW-22B

TIME: **DEPTH OF PUMP:** Mid Screen

WEATHER CONDITIONS: 45°F **SAMPLERS:** J. Rakowski

Pre-purge dtw tic 36.02

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
0843		36.04	450	.02	7.11	1.21	over 999	3.81	10.98	68
0853		36.04	450	.02	7.18	1.22	715	3.22	10.93	79
0903		36.04	450	.02	7.22	1.23	357	2.78	10.40	94
0913		36.04	450	.02	7.24	1.23	209	2.81	10.47	100
0923		36.04	450	.02	7.26	1.23	107	2.95	10.74	106
0933		36.04	450	.02	7.26	1.23	79.8	2.96	10.92	113
0943		36.04	450	.02	7.27	1.23	86.1	2.99	10.49	120
0951		36.04	450	.02	7.27	1.23	103	2.94	10.65	122
0954		36.04	450	.02	7.27	1.23	107	2.94	10.42	122

0955 Sample time

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

26.63

DATE: 4/6/16 **WELL #:** MW22A

TIME: 1005 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 42F rain **SAMPLERS:** J. McCane

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1010	1750	26.63	350	0	7.59	0.950	73.5	0.0	10.53	161
1026	12,800	26.65	800	0.02	7.59	0.961	12.6	0.08	12.23	124
1036	3000	26.65	300	0	7.59	0.966	5.6	0.00	11.83	117
1046	3000	26.65	300	0	7.59	0.958	4.7	0.0	11.35	112
			Sample time		1046	A4-MW22A-160406				

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-6-2016

WELL #: ~~MW01~~ CC 4/5/16 MW-130A

TIME: J. Rakowski

DEPTH OF PUMP: mid screen

WEATHER CONDITIONS: Rain 45° F

SAMPLERS: J. Rakowski

Pre purge dtw tic 24.47

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE ML/M	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1107		25.06	450	.61	7.30	1.26	389	1.65	10.02	115
1117		25.00	400	.53	7.32	1.28	211	3.22	9.89	98
1127		24.95	400		7.34	1.28	84.3	6.54	9.73	90
1135		24.95	400		7.32	1.28	79.4	5.78	9.87	92
1144		24.95	400		7.32	1.27	62.7	4.89	9.98	95
1149		24.95	400		7.32	1.27	39.5	4.48	10.07	99
1156		24.95	400		7.32	1.27	29.6	4.10	10.17	101
1159		24.95	400		7.31	1.27	28.7	4.02	10.21	101
1201	6 gallons	24.95	400		7.31	1.27	33.2	3.86	10.31	102
1201 sample time										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 4-6-16

WELL #: MW-1308

TIME: 12:08

DEPTH OF PUMP: mid screen

WEATHER CONDITIONS:

SAMPLERS: J. Rakowski

Pre purge dtw tic 24.03

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1218	550C	24.05	55C	0.02	7.59	1.20	30.5	3.05	12.24	145
1228		24.05	500	0.02	7.57	1.21	22.6	2.11	12.37	130
1233		24.05	500	0.02	7.57	1.21	10.8	0	12.56	122
1240		24.05	500	0.02	7.58	1.21	5.7	0	12.55	119
1243		24.05	500	0.02	7.59	1.21	4.6	0	12.53	118
1246	3.5 gallons	24.05	500	0.02	7.59	1.20	3.7	0	12.51	116
1250	sample time									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Appendix A – Groundwater Sampling Sheets

Second 2016 Semiannual, October 2016

27.85

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 10/3/16 WELL #: MW-32

TIME: 09:35 DEPTH OF PUMP:

WEATHER CONDITIONS: 60°F, calm, mostly sunny SAMPLERS: J. Grobs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
0940	~~800~~	27.85	500	-0-	6.92	-0-*	115	9.78	15.84	127
0945	~~800~~			-0-	6.90	-0-	114	9.57	16.13	130
0950				-0-	6.86	-0-	114	9.46	16.32	134
0955				-0-	6.88	-0-	93.1	9.36	16.50	137
1000					6.84	-0-	81.0	9.27	16.63	140
1005					6.74	-0-	114	9.23	16.74	144
1010					6.75	-0-	111	9.22	16.81	144
1015					6.75	-0-	111	9.20	16.91	146
1020	COLLECT SAMPLE									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

* Clearly something is wrong with conductivity

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

wl: 26.24

SITE NAME: Southeast Rockford, Area 4

DATE: 10/3/16

WELL #: MW-403

TIME: 11:55

DEPTH OF PUMP:

WEATHER CONDITIONS: 68°F, partly sunny, slt. breeze

SAMPLERS: Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
12:00		26.24	450	0	6.95	.699	80.1	5.50	19.44	81
12:05		26.24	450	0	7.03	.794	79.4	5.28	18.83	86
12:10					6.81	.841	77.1	5.17	18.57	98
12:15					7:05	.866	74.9	5.00	18.55	80
12:20					7.02	.896	72.4	4.84	18.61	82
12:25					6.97	.910	72.1	4.76	18.70	83
12:30	COLLECT		SAMPLE							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

wl: 25.67

SITE NAME: Southeast Rockford, Area

DATE: 10/3/16

WELL #: MW-401A

TIME: 13:40

DEPTH OF PUMP:

WEATHER CONDITIONS: 68°F, mostly cloudy, slight breeze

SAMPLERS: Grady

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
13:45		25.56	450		7.09	1.14	602	6.79	14.39	106
13:50		25.56			7.13	1.12	497	6.29	14.79	105
05 ~~13:55~~					~~7.35~~	~~1.19~~	~~144~~	~~2.87~~	~~15.65~~	~~138~~
13:55					7.13	1.12	275	5.90	15.27	106
14:00		25.59			7.14	1.12	205	5.76	15.19	105
14:05					7.14	1.11	172	5.61	15.17	104
14:10					7.14	1.10	140	5.49	15.11	102
14:15					7.14	1.10	106	5.43	15.03	105
14:20	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

WL: 25.64

SITE NAME: Southeast Rockford, Area 4

DATE: 10/3/16

WELL #: MW-401B

TIME: 13:35

DEPTH OF PUMP:

WEATHER CONDITIONS:

SAMPLERS: Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
13:45		25.57	500		7.42	1.17	246	5.71	15.18	142
13:50					7.38	1.18	209	3.21	15.29	140
~~13:55~~					~~7.13~~	~~1.12~~			~~15.28~~	~~106~~
13:55		25.59			7.35	1.19	144	2.87	15.65	138
14:00					7.34	1.19	84.1	2.83	15.86	136
14:05					7.33	1.22	53.6	3.08	14.97	120
14:10					7.31	1.20	38.5	2.89	15.19	120
14:15					7.28	1.20	34.3	2.76	15.19	118
14:20					7.26	1.21	23.2	2.90	15.18	119
14:25	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

WL: 25.12

DATE: 10/3/16

WELL #: MW-22B

TIME: 15:32

DEPTH OF PUMP:

WEATHER CONDITIONS: 70°F, cloudy

SAMPLERS: Grabs + Schamber

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15:40		25.13	475		6.82	1.17	601	5.54	15.43	-52
15:45					6.96	1.20	469	5.25	15.79	-65
15:50					7.03	1.21	291	5.13	15.60	-62
15:55					7.05	1.21	193	4.95	15.62	-59
16:00					7.08	1.21	136	4.81	15.67	-58
16:05					7.09	1.21	97.8	4.75	15.65	-54
16:10					7.07	1.21	86.7	4.69	15.60	-52
16:15					7.08	1.21	85.9	4.68	15.61	-49
16:20	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

WL: 25.75

SITE NAME: Southeast Rockford, Area 4

DATE: 10/3/14

WELL #: MW-22A

TIME: 15:25

DEPTH OF PUMP:

WEATHER CONDITIONS: 70°F, Cloudy

SAMPLERS: Grabs + Schramber

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15:30			450		7.44	.898	149	4.83	17.60	166
15:35					7.39	.895	139	4.70	17:66	174
15:40		25.69			7.38	0.898	94	5.17	17.75	175
15:45					7.38	0.904	86.2	5.09	17.89	174
15:50					7.38	0.909	74.5	5.15	18.06	173
15:55					7.40	0.908	56.9	5.12	18.23	172
16:00					7.39	0.907	52.4	5.20	18.24	172
16:05					7.39	0.905	53.5	5.18	18.22	173
16:10	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

DATE: 10/3/14

WELL #: MW-~~22B~~ 130B WL: 23.17

TIME: 16:50

DEPTH OF PUMP:

WEATHER CONDITIONS: 70°F, cloudy

SAMPLERS: Grabs + Schamber

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
16:55			450		7.50	1.22	35.6	3.58	14.38	176
17:00					7.36	1.22	31.0	3.32	13.99	152
17:05					7.32	1.23	26.1	3.32	13.85	125
17:10		23.15			7.29	1.23	19.5	3.18	13.79	113
17:15					7.25	1.23	10.7	3.11	13.75	110
17:20					7.25	1.23	10.1	3.14	13.74	109
17:25	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 4

WL: 23.66

DATE: 10/3/16

WELL #: MW-130A

TIME: 16:55

DEPTH OF PUMP:

WEATHER CONDITIONS: 70°F, Cloudy

SAMPLERS: Grabs + Schamber

ELAPSED TIME (MIN)	VOLUME PURGED (mL)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
17:00			500		7.62	0.001	193	6.29	17.67	-19
17:05					7.74	1.05	223	3.62	17.79	30
17:10					7.11	1.15	117	2.27	16.17	-61
17:15		23.91			7.08	1.15	84.6	2.63	15.46	-52
17:20					7.04	1.16	79.9	2.68	15.43	-48
17:25					7.04	1.17	77.1	2.70	15.42	-46
17:30					7.03	1.17	75.9	2.71	15.41	-45
17:35	Sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Appendix B
Analytical Data

CDM Smith

Appendix B – Analytical Data

First 2015 Semiannual, May 2015

Sample Summary Report

Case No:	45304	Contract:	EPW11031	SDG No:	E3XS9	Lab Code:	KAP
Sample Number:	E3XS9	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	TB01	pH:	2	Sample Date:	05/19/2015	Sample Time:	15:55:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	4.5	J	UG/L	4.5	J	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	1.3		UG/L	1.3		1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.48	J	UG/L	0.48	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.8	NJB	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT0	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW32	pH:	2	Sample Date:	05/19/2015	Sample Time:	12:40:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.2		UG/L	1.2		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	8.4		UG/L	8.4		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.5		UG/L	2.5		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	2.1		UG/L	2.1		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.6		UG/L	5.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		UG/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.99		UG/L	0.99		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.59		UG/L	0.59		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.64		UG/L	0.64		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.6	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT1	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW32	pH:	2	Sample Date:	05/19/2015	Sample Time:	12:40:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.99		UG/L	0.99		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.24	J	UG/L	0.24	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	8.4		UG/L	8.4		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.3		UG/L	2.3		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	2.1		UG/L	2.1		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.3		UG/L	5.3		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.2		UG/L	1.2		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.94		UG/L	0.94		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.56		UG/L	0.56		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.63		UG/L	0.63		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.0	NJB	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW403	pH:	2	Sample Date:	05/19/2015	Sample Time:	14:55:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.38	J	UG/L	0.38	J	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.73		UG/L	0.73		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	6.7		UG/L	6.7		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.6		UG/L	1.6		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	3.9		UG/L	3.9		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.53		UG/L	0.53		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.38	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.37	J	UG/L	0.37	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.34	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.2	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT3	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MLW01A	pH:	2	Sample Date:	05/21/2015	Sample Time:	09:10:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.77		UG/L	0.77		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	7.2		UG/L	7.2		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.5		UG/L	1.5		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	3.7		UG/L	3.7		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.52		UG/L	0.52		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.23	J	UG/L	0.23	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.4	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MLW01B	pH:	2	Sample Date:	05/21/2015	Sample Time:	10:00:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.9		UG/L	9.9		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		UG/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.4		UG/L	5.4		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.63		UG/L	0.63		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.39	J	UG/L	0.39	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.8	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT5	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MLW01C	pH:	2	Sample Date:	05/21/2015	Sample Time:	11:00:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.5		UG/L	1.5		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.22	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.22	J	UG/L	0.22	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	10		UG/L	10		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		UG/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.5		UG/L	5.5		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.63		UG/L	0.63		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.39	J	UG/L	0.39	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.8	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MLW01D	pH:	2	Sample Date:	05/21/2015	Sample Time:	11:35:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.15	J	UG/L	0.15	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.4		UG/L	1.4		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.20	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.25	J	UG/L	0.25	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	10		UG/L	10		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		UG/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.8		UG/L	4.8		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.65		UG/L	0.65		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.47	J	UG/L	0.47	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.8	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT8	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW401A	pH:	2	Sample Date:	05/20/2015	Sample Time:	10:00:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.94		UG/L	0.94		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.20	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.5		UG/L	5.5		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.2		UG/L	1.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	9.4		UG/L	9.4		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.75		UG/L	0.75		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.33	J	UG/L	0.33	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.22	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethane, 1-chloro-1,1-difluoro-	TIC				16	NJ	1.0	Yes	NV
cis-1,3-dichloropropene-d4	TIC				9.1	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XT9	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW401B	pH:	2	Sample Date:	05/20/2015	Sample Time:	08:25:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.6		UG/L	1.6		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.12	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.28	J	UG/L	0.28	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		UG/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.5		UG/L	2.5		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.1		UG/L	7.1		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.2		UG/L	1.2		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.13	J	UG/L	0.13	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.36	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.40	J	UG/L	0.40	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.11	J	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.14	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.31	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.3	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.32	J	UG/L	0.32	J	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW0	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	EW002	pH:	2	Sample Date:	05/19/2015	Sample Time:	16:15:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	R	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	R	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	R	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	R	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.7		UG/L	1.7		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	R	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	14		UG/L	14		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.0		UG/L	2.0		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	84	J	UG/L	84	E	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		UG/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.43	J	UG/L	0.43	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.44	J	UG/L	0.44	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.41	J	UG/L	0.41	J	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.7	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW0DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	EW002	pH:	2	Sample Date:	05/19/2015	Sample Time:	16:15:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Acetone	Target	50	U	UG/L	50	U	10.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Methylene chloride	Target	10	U	UG/L	3.0	DJB	10.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1-Dichloroethane	Target	18		UG/L	18	D	10.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.5	J	UG/L	2.5	DJ	10.0	Yes	S3VE
2-Butanone	Target	50	U	UG/L	50	U	10.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1,1-Trichloroethane	Target	84		UG/L	84	D	10.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Benzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Trichloroethene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
4-Methyl-2-pentanone	Target	50	U	UG/L	50	U	10.0	Yes	S3VE
Toluene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
2-Hexanone	Target	50	U	UG/L	50	U	10.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Styrene	Target	5.0	UJ	UG/L	5.0	U	10.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				95	DNJ	10.0	No	NV
1,2,3-Trichlorobenzene	Target	5.0	U	UG/L	5.0	U	10.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW1	Method:	VOA_Low_Med	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	EW003	pH:	2	Sample Date:	05/19/2015	Sample Time:	16:20:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	10	U	UG/L	3.3	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	24		UG/L	24		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4	J	UG/L	2.4	J	1.0	Yes	S3VE
2-Butanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	160		UG/L	160		1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	20		UG/L	20		1.0	Yes	S3VE
Benzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dioxane	Target	100	U	UG/L	100	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Toluene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
Benzene, 1,3,5-trimethyl-	TIC				8.5	NJ	1.0	Yes	NV
1,2,3-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
Benzene, 1-ethyl-3-methyl-	TIC				5.2	NJ	1.0	Yes	NV
Benzene, 1-ethyl-4-methyl-	TIC				6.0	NJ	1.0	Yes	NV
cis-1,3-dichloropropene-d4	TIC				75	NJB	1.0	No	NV
Cyclotrisiloxane, hexamethyl-	TIC				9.5	NJ	1.0	No	NV
Cyclotetrasiloxane, octamethyl-	TIC				10	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number: E3XW1MS	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH: 2	Sample Date: 05/19/2015	Sample Time: 16:20:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,1-Dichloroethene	Spike	43		UG/L	43		1.0	Yes	S3VE
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Benzene	Spike	46		UG/L	46		1.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Spike	48		UG/L	48		1.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Spike	31	J	UG/L	31		1.0	Yes	S3VE
Chlorobenzene	Spike	47		UG/L	47		1.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	10	U	UG/L	2.8	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	25		UG/L	25		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.3	J	UG/L	2.3	J	1.0	Yes	S3VE
2-Butanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	160		UG/L	160		1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	19		UG/L	19		1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dioxane	Target	100	U	UG/L	100	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number: E3XW1MSD	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH: 2	Sample Date: 05/19/2015	Sample Time: 16:20:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	48		UG/L	48		1.0	Yes	S3VE
Benzene	Spike	49		UG/L	49		1.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Spike	52		UG/L	52		1.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Spike	34	J	UG/L	34		1.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Spike	51		UG/L	51		1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	10	U	UG/L	2.4	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	25		UG/L	25		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4	J	UG/L	2.4	J	1.0	Yes	S3VE
2-Butanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	160		UG/L	160		1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	19		UG/L	19		1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dioxane	Target	100	U	UG/L	100	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	FB01	pH:	2	Sample Date:	05/19/2015	Sample Time:	16:00:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	5.1		1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.31	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	1.3	U	UG/L	1.2		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.29	J	UG/L	0.29	J	1.0	Yes	S3VE
o-Xylene	Target	0.88		UG/L	0.88		1.0	Yes	S3VE
m,p-Xylene	Target	1.6		UG/L	1.6		1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.7	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW3	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW022A	pH:	2	Sample Date:	05/20/2015	Sample Time:	11:45:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.92		UG/L	0.92		1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.65		UG/L	0.65		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	2.1		UG/L	2.1		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.34	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.7	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW022B	pH:	2	Sample Date:	05/20/2015	Sample Time:	11:45:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.35	J	UG/L	0.35	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.4		UG/L	1.4		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.27	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.30	J	UG/L	0.30	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		UG/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		UG/L	2.4		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.5		UG/L	7.5		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.95		UG/L	0.95		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.38	J	UG/L	0.38	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.19	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.5	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW5	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW130A	pH:	2	Sample Date:	05/21/2015	Sample Time:	08:05:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.2		UG/L	1.2		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.21	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.25	J	UG/L	0.25	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		UG/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		UG/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	12		UG/L	12		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.96		UG/L	0.96		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.19	J	UG/L	0.19	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.45	J	UG/L	0.45	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.4	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW130B	pH:	2	Sample Date:	05/21/2015	Sample Time:	07:50:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.34	J	UG/L	0.34	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.5		UG/L	1.5		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.29	J	UG/L	0.29	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		UG/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		UG/L	2.4		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.4		UG/L	7.4		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.95		UG/L	0.95		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.31	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.34	J	UG/L	0.34	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.24	J	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				8.8	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethane, 1-chloro-1,1-difluoro-	TIC				32	NJ	1.0	Yes	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number:	E3XW7	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	MW130B	pH:	2	Sample Date:	05/21/2015	Sample Time:	07:50:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.35	J	UG/L	0.35	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.6		UG/L	1.6		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.21	J	UG/L	0.21	J	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	12		UG/L	12		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.3		UG/L	2.3		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.6		UG/L	7.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.97		UG/L	0.97		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.35	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.34	J	UG/L	0.34	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.26	J	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.0	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number: VBLK38	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dioxane	Target	100	U	UG/L	100	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Toluene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				71	NJ	1.0	No	NV
1,2,3-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
Cyclotetrasiloxane, octamethyl-	TIC				8.4	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP
Sample Number: VBLK6A	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.32	J	UG/L	0.32	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.7	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number: VBLK6C	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.40	J	UG/L	0.40	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				10	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP
Sample Number: VHBLK01	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl acetate	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	1.0	U	UG/L	0.25	JB	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	UJ	UG/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	UG/L	0.50	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				9.2	NJ	1.0	No	NV

Case No: 45304	Contract: EPW11031	SDG No: E3XS9	Lab Code: KAP

Sample Number: VHBLK02	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl acetate	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	2.5	J	UG/L	2.5	J	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl ether	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dioxane	Target	100	U	UG/L	100	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Toluene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	UG/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
o-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	UG/L	5.0	U	1.0	Yes	S3VE
1,2,4-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	UJ	UG/L	5.0	U	1.0	Yes	S3VE
cis-1,3-dichloropropene-d4	TIC				72	NJB	1.0	No	NV

Appendix B – Analytical Data

First 2016 Semiannual, April 2016

Sample Summary Report

Case No:	46067	Contract:	EPW14030	SDG No:	E3XX8	Lab Code:	CHM

Sample Number:	E3XX8	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	EW002	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	10:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.17	J-	ug/L	0.17	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		ug/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.5	J-	ug/L	1.5		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	73		ug/L	73	D	10.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.1		ug/L	1.1		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.13	J	ug/L	0.13	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.13	J	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.43	J	ug/L	0.43	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.20	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.16	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Benzene, 1-methyl-3-propyl-	TIC	0.31	J	ug/L	0.31	J	1.0	Yes	NV
Ethane, 1-chloro-1,1-difluoro-	TIC	2.0	J	ug/L	2.0	J	1.0	Yes	NV
Benzene, 1,3,5-trimethyl-	TIC	0.34	J	ug/L	0.34	J	1.0	Yes	NV
Benzene, 1-methyl-3-(1-methylethyl	TIC	0.28	J	ug/L	0.28	J	1.0	Yes	NV
Benzene, 1-ethyl-2-methyl-	TIC	0.36	J	ug/L	0.36	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	0.66	J	ug/L	0.66	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Benzene, 1,2,3-trimethyl-	TIC	0.63	J	ug/L	0.63	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY0	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	FB01	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	13:40:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.72	U	ug/L	0.72		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.23	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.34	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Benzene, 1,2,3-trimethyl-	TIC	0.51	J	ug/L	0.51	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY1	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MLW01A	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	13:26:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.13	J	ug/L	0.13	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.9		ug/L	5.9		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.1		ug/L	1.1		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	3.6		ug/L	3.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.73		ug/L	0.73		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.26	J	ug/L	0.26	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethane, 1,1-difluoro-	TIC	0.77	J	ug/L	0.77	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethane, 1-chloro-1,1-difluoro-	TIC	5.0	J	ug/L	5.0	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY2	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MLW01B	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	13:50:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	7.9		ug/L	7.9		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.8		ug/L	1.8		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	6.1		ug/L	6.1		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.1		ug/L	1.1		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.48	J	ug/L	0.48	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethane, 1-chloro-1,1-difluoro-	TIC	1.9	J	ug/L	1.9	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	0.59	J	ug/L	0.59	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY3	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MLW01C	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	14:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	8.1		ug/L	8.1		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.9		ug/L	1.9		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	6.6		ug/L	6.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.2		ug/L	1.2		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.10	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.42	J	ug/L	0.42	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethane, 1-chloro-1,1-difluoro-	TIC	1.9	J	ug/L	1.9	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	0.97	J	ug/L	0.97	J	1.0	Yes	NV
11H-Dibenzo[b,e][1,4]diazepin-11-o	TIC	0.33	J	ug/L	0.33	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY4	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MLW01D	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	14:45:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	7.6		ug/L	7.6		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.7		ug/L	1.7		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.4		ug/L	5.4		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.0		ug/L	1.0		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.45	J	ug/L	0.45	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethane, 1-chloro-1,1-difluoro-	TIC	1.2	J	ug/L	1.2	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY6	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW130A	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	12:01:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.25	J	ug/L	0.25	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.26	J	ug/L	0.26	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.3		ug/L	9.3		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.1		ug/L	2.1		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.5		ug/L	7.5		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.12	J	ug/L	0.12	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.18	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.44	J	ug/L	0.44	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.19	J	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.30	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.70		ug/L	0.70		1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
unknown-01	TIC	9.2	J	ug/L	9.2	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	1.2	J	ug/L	1.2	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY7	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW130B	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	12:50:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.29	J	ug/L	0.29	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.31	J	ug/L	0.31	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	10		ug/L	10		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		ug/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.6		ug/L	7.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.22	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.43	J	ug/L	0.43	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.19	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
unknown-01	TIC	9.5	J	ug/L	9.5	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	1.2	J	ug/L	1.2	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY8	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW130B	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	12:50:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.27	J	ug/L	0.27	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.8		ug/L	9.8		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.1		ug/L	2.1		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.3		ug/L	7.3		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.10	J	ug/L	0.10	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.15	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.37	J	ug/L	0.37	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.10	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
unknown-01	TIC	9.1	J	ug/L	9.1	J	1.0	Yes	NV
1,2-Benzenediol, 3,5-bis(1,1-dimet	TIC	0.31	J	ug/L	0.31	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	0.94	J	ug/L	0.94	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XY9	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW22A	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	10:46:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.58		ug/L	0.58		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.13	J	ug/L	0.13	J	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.6		ug/L	4.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.20	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.17	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
unknown-01	TIC	0.72	J	ug/L	0.72	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ0	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW22B	pH:	1.0	Sample Date:	04/06/2016	Sample Time:	09:55:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.31	J	ug/L	0.31	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.30	J	ug/L	0.30	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.6		ug/L	9.6		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.9		ug/L	1.9		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.5		ug/L	8.5		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.5		ug/L	1.5		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.34	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.43	J	ug/L	0.43	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.18	J	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.27	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.66		ug/L	0.66		1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
11H-Dibenzo[b,e][1,4]diazepin-11-o	TIC	0.41	J	ug/L	0.41	J	1.0	Yes	NV
Ethane, 1,1-difluoro-	TIC	1.4	J	ug/L	1.4	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethane, 1-chloro-1,1-difluoro-	TIC	11	J	ug/L	11	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ1	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW32	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	12:10:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.8		ug/L	5.8		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.9		ug/L	1.9		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	2.2		ug/L	2.2		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.8		ug/L	4.8		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	1.8		ug/L	1.8		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.16	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.51		ug/L	0.51		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ2	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW32	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	12:10:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.7		ug/L	5.7		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.7		ug/L	1.7		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	2.1		ug/L	2.1		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.8		ug/L	5.8		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.7		ug/L	1.7		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	1.8		ug/L	1.8		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.19	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.63		ug/L	0.63		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	1.3		ug/L	1.3		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
unknown-01	TIC	0.49	J	ug/L	0.49	J	1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ3	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW401A	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	17:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	2.5	J+	ug/L	2.5	J	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.18	J	ug/L	0.18	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	6.8		ug/L	6.8		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	12		ug/L	12		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.86		ug/L	0.86		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.15	J	ug/L	0.15	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.26	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.28	J	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.32	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.77		ug/L	0.77		1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethene, 1-chloro-1-fluoro-	TIC	3.5	J	ug/L	3.5	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ4	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW401B	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	16:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		ug/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		ug/L	2.4		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	6.3		ug/L	6.3		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.3		ug/L	1.3		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.14	J	ug/L	0.14	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.30	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.31	J	ug/L	0.31	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.21	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethene, 1-chloro-1-fluoro-	TIC	4.5	J	ug/L	4.5	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number: E3XZ4MS	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date: 04/05/2016	Sample Time: 16:30:00
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	5.6		ug/L	5.6		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	10		ug/L	10		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		ug/L	2.4		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	6.2		ug/L	6.2		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Spike	4.9		ug/L	4.9		1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Spike	6.0		ug/L	6.0		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.14	J	ug/L	0.14	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Spike	5.4		ug/L	5.4		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.29	J	ug/L	0.29	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Spike	5.1		ug/L	5.1		1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.13	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.27	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number: E3XZ4MSD	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date: 04/05/2016	Sample Time: 16:30:00
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	5.5		ug/L	5.5		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	10		ug/L	10		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.5		ug/L	2.5		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.25	J	ug/L	0.25	J	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	6.1		ug/L	6.1		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Spike	4.9		ug/L	4.9		1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Spike	6.1		ug/L	6.1		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.14	J	ug/L	0.14	J	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Spike	5.4		ug/L	5.4		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.32	J	ug/L	0.32	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Spike	5.2		ug/L	5.2		1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.21	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ5	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW403	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	14:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	4.1		ug/L	4.1		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	20		ug/L	20		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.0		ug/L	1.0		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	70		ug/L	70	D	5.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.55		ug/L	0.55		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.33	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.19	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number:	E3XZ6	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	TB01	pH:	1.0	Sample Date:	04/05/2016	Sample Time:	08:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.83		ug/L	0.83		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S3VE
o-Xylene	Target	0.27	J	ug/L	0.27	J	1.0	Yes	S3VE
m,p-Xylene	Target	0.37	J	ug/L	0.37	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Benzene, 1,2,3-trimethyl-	TIC	0.49	J	ug/L	0.49	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM
Sample Number: VBLK27	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM
Sample Number: VBLK28	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM
Sample Number: VBLK30	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM
Sample Number: VBLK53	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46067	Contract: EPW14030	SDG No: E3XX8	Lab Code: CHM

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Appendix B – Analytical Data

Second 2016 Semiannual, October 2016

Sample Summary Report

Case No:	46501	Contract:	EPW14030	SDG No:	E3Y07	Lab Code:	CHM

Sample Number:	E3Y07	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	TB01	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	10:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.17	J	ug/L	0.17	J	1.0	Yes	S3VE
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y08	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW32	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	10:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.1		ug/L	1.1		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.7		ug/L	5.7		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.5		ug/L	4.5		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.3		ug/L	1.3		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.94		ug/L	0.94		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.13	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.60		ug/L	0.60		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.63		ug/L	0.63		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y09	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW32	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	10:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.96		ug/L	0.96		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.18	J	ug/L	0.18	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.8		ug/L	5.8		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	1.5		ug/L	1.5		1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.7		ug/L	4.7		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.3		ug/L	1.3		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.96		ug/L	0.96		1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.12	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.55		ug/L	0.55		1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.70		ug/L	0.70		1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y10	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW403	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	12:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.27	J	ug/L	0.27	J	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.99	J-	ug/L	0.99		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	3.3	J	ug/L	3.3	J	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	2.7		ug/L	2.7		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.59	J-	ug/L	0.59		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	12		ug/L	12		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.33	J	ug/L	0.33	J	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.25	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.19	J	ug/L	0.19	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.10	J	ug/L	0.10	J	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y11	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW401A	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.88		ug/L	0.88		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	4.4		ug/L	4.4		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.0		ug/L	1.0		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	4.2		ug/L	4.2		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.48	J	ug/L	0.48	J	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.13	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.14	J	ug/L	0.14	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethene, 1-chloro-1-fluoro-	TIC	3.1	NJ	ug/L	3.1	J	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y12	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW401B	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.32	J	ug/L	0.32	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		ug/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		ug/L	2.4		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.0		ug/L	8.0		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.19	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.40	J	ug/L	0.40	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethene, 1-chloro-1-fluoro-	TIC	5.4	NJ	ug/L	5.4	J	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y12MS	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:		pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	5.4		ug/L	5.4		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.30	J	ug/L	0.30	J*	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		ug/L	11	*	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.3		ug/L	2.3	*	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.1		ug/L	8.1	*	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Benzene	Spike	4.5		ug/L	4.5		1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Trichloroethene	Spike	5.8		ug/L	5.8		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Toluene	Spike	4.8		ug/L	4.8		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Tetrachloroethene	Target	0.44	J	ug/L	0.44	J*	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chlorobenzene	Spike	4.5		ug/L	4.5		1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L		*	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y12MSD	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:		pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	5.8		ug/L	5.8		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.32	J	ug/L	0.32	J*	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1-Dichloroethane	Target	12		ug/L	12	*	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.4		ug/L	2.4	*	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.8		ug/L	8.8	*	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Benzene	Spike	4.8		ug/L	4.8		1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Trichloroethene	Spike	6.4		ug/L	6.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Toluene	Spike	5.2		ug/L	5.2		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Tetrachloroethene	Target	0.46	J	ug/L	0.46	J*	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Chlorobenzene	Spike	4.7	J+	ug/L	4.7		1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U*	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L		*	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y14	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	EW003	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	2.6	J	ug/L	2.6	J	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	59		ug/L	59		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	3.2	J	ug/L	3.2	J	1.0	Yes	S3VE
2-Butanone	Target	3.3	J	ug/L	3.3	J	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	210		ug/L	210	D	5.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Target	1.3	J	ug/L	1.3	J	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	1.0	J	ug/L	1.0	J	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene, 1-ethyl-4-methyl-	TIC	2.7	NJ	ug/L	2.7	J	1.0	Yes	NV
Benzene, 1,2,3-trimethyl-	TIC	5.3	NJ	ug/L	5.3	J	1.0	Yes	NV
Benzene, 1-ethyl-3-methyl-	TIC	4.3	NJ	ug/L	4.3	J	1.0	Yes	NV
Mesitylene	TIC	6.9	NJ	ug/L	6.9	J	1.0	Yes	NV
Propane, 2,2-difluoro-	TIC	2.8	J	ug/L	2.8	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y14MS	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:		pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	46		ug/L	46		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Acetone	Target	2.5	J	ug/L	2.5	J*	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1-Dichloroethane	Target	58		ug/L	58	*	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	3.1	J	ug/L	3.1	J*	1.0	Yes	S3VE
2-Butanone	Target	3.1	J	ug/L	3.1	J*	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	230	J	ug/L	230	E*	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Benzene	Spike	46		ug/L	46		1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Trichloroethene	Spike	45		ug/L	45		1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U*	1.0	Yes	S3VE
Toluene	Spike	46		ug/L	46		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U*	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chlorobenzene	Spike	45		ug/L	45		1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
m,p-Xylene	Target	1.1	J	ug/L	1.1	J*	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L		*	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y14MSD	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:		pH:	1.0	Sample Date:	10/03/2016	Sample Time:	14:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1-Dichloroethene	Spike	49		ug/L	49		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Acetone	Target	3.0	J	ug/L	3.0	J*	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1-Dichloroethane	Target	60		ug/L	60	*	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	3.2	J	ug/L	3.2	J*	1.0	Yes	S3VE
2-Butanone	Target	4.1	J	ug/L	4.1	J*	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	240	J	ug/L	240	E*	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Benzene	Spike	49		ug/L	49		1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Trichloroethene	Spike	47		ug/L	47		1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U*	1.0	Yes	S3VE
Toluene	Spike	49		ug/L	49		1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U*	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Chlorobenzene	Spike	48		ug/L	48		1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
m,p-Xylene	Target	1.2	J	ug/L	1.2	J*	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U*	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L		*	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y15	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	A4-FB01-161003	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	16:45:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.15	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y16	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	A4-MW22A-161003	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	16:10:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.69		ug/L	0.69		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.12	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y17	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW22B-161003	pH:	1.6	Sample Date:	10/03/2016	Sample Time:	16:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.40	J	ug/L	0.40	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.6		ug/L	1.6		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.29	J	ug/L	0.29	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.5		ug/L	9.5		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	1.8		ug/L	1.8		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	7.6		ug/L	7.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.2		ug/L	1.2		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.18	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.37	J	ug/L	0.37	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethene, 1-chloro-1-fluoro-	TIC	5.2	NJ	ug/L	5.2	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y18	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW130A	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	17:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.8		ug/L	1.8		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	9.6		ug/L	9.6		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.0		ug/L	2.0		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.0		ug/L	8.0		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.12	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.41	J	ug/L	0.41	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Ethene, 1-chloro-1-fluoro-	TIC	4.9	NJ	ug/L	4.9	J	1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number:	E3Y19	Method:	Trace Volatiles	Matrix:	Water	MA Number:	
Sample Location:	MW130B	pH:	1.0	Sample Date:	10/03/2016	Sample Time:	17:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.34	J	ug/L	0.34	J	1.0	Yes	S3VE
1,1-Dichloroethene	Target	1.9		ug/L	1.9		1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	11		ug/L	11		1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	2.2		ug/L	2.2		1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	8.6		ug/L	8.6		1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	1.4		ug/L	1.4		1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.10	J	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.38	J	ug/L	0.38	J	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethene, 1-chloro-1-fluoro-	TIC	5.5	NJ	ug/L	5.5	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK01	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK14	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK15	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK53	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK54	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK57	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VBLK61	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 1.6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl Acetate	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
m,p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 46501	Contract: EPW14030	SDG No: E3Y07	Lab Code: CHM

Sample Number: VHBLK02	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VE
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VE
Total Alkanes	TIC			ug/L			1.0	Yes	NV